

A

**NAME OF WORK: - Renovation of electrical Installation in GM Cabin at Block No-35
GMTD Bldg Kasumpti, Shimla.**

Name of Agency :-

Date of Application :-

Date of issue of Tender
Documents :-

Cost of Tender :- **Rs.177.00**

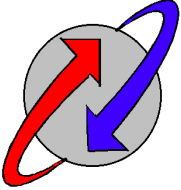
Date of Opening :-

UNDERTAKING

It is undertaken that we have gone through all the clauses /sub-clauses & terms & conditions of the BSNL EW-6 & BSNL EW -8 forms. We abide by that & we understand that the same shall be part & parcel of the agreement.

Signature of Contractor

Sub Divisional Engineer (E)
BSNL Electrical Sub Division
Shimla (HP)-171009

Office of the Sub Divisional Engineer (E), BSNL Electrical Sub Division, Block 35 1st Floor o/o the GMTD, Kasumpti, Shimla-171009 Tel.No. 0177-2626268		BHARAT SANCHAR NIGAM LIMITED (A Govt. of India Enterprise)
---	---	---

**Name of Work :- - Renovation of electrical Installation in GM Cabin at Block No-35 GMTD
Bldg Kasumpti, Shimla..**

S.No	DETAILS	PAGE
1	INDEX	1
2	CORRECTION SLIP	2
3	WEB NOTIFICATION	3
4	TENDER NOTIFICATION	4 To 5
5	NIT (FORM BSNL EW – 6)	6 To 8
6	TENDER (FORM BSNL EW 8	9 To 14
7	IMPORTANT NOTE TO CONTRACTOR	15 To 19
8	MODEL FORM OF BANK GUARANTEE & PREFORMANCE GUARANTEE	20 To 22
9	DECLARATION BY CONTRACTOR	23
10	SCHEDULE OF WORK & ABSTRACT OF COST	24 To 25
11	SPECIFICATIONS	26 -29
12	LIST OF APPROVED MAKES	30 To 31
13	Annexure-I,II,III,IV&V	32 to 36

This is certified that this NIT contains ...36 pages excluding pages A

CORRECTION SLIP

Addendum/Modification to BSNL EW -8 & BSNL EW -6 Forms Conditions of contract-Definitions:-

All reference to :-

- i) BSNL EW /Public work department/P&T Department./D.O.T. /B.S.N.L**
- ii) D.G. works/ Additional Chief Engineer BSNL EW /Chief Engineer of Zone.**
- iii) Administrative Head of BSNL EW /P&T Department.**
- iv) BSNL EW Circles/Civil Circle.**
- v) Ministry of works, Housing & supply.**
- vi) Government.**

In various clauses shall be taken to mean :-

- i) Bharat Sanchar Nigam Limited.**
- ii) Chief Engineer (E), Bharat Sanchar Nigam Limited.**
- iii) Administrative Head of Bharat Sanchar Nigam Limited.**
- iv) Telecommunications Electrical Circle.**
- v) Bharat Sanchar Nigam Limited (Ministry of Communications)**
- vi) Bharat Sanchar Nigam Limited**

WEB NOTIFICATION

The Sub Divisional Engineer (E) BSNL Electrical Sub Division Shimla (HP)-171009 invites on behalf of Bharat Sanchar Nigam Limited sealed item rate tenders for the work of :-

“ Renovation of electrical Installation in GM Cabin at Block No-35 GMTD Bldg Kasumpti, Shimla.”

Last date of receipt of application up to **18-12-2017(5.00 P.M.)**

For further details please visit our Web Site. www.hp.bsnl.co.in

**Sub Divisional Engineer (E)
BSNL Electrical Sub Division
Shimla (HP)-171009**

SHORT TERM TENDER NOTIFICATION

The Sub Divisional Engineer (E) BSNL Electrical Sub Division Shimla (HP)-171009 invites on behalf of Bharat Sanchar Nigam Limited sealed item rate tenders for the work from the eligible contractors satisfying the following conditions as given below :-

Name of work	Estimated cost (Rs.)	Earnest Money Deposit (Rs.)	Time for completion
Renovation of electrical Installation in GM Cabin at Block No-35 GMTD Bldg Kasumpti, Shimla..	Rs. 22784.00	Rs. 456.00	7 days

A. Eligibility Conditions

The Contractors satisfying the following conditions:

- BSNL enlisted contractor in Electrical category IV (E) and above.
- The Contractor shall have to possess a valid ELECTRICAL LICENCE of appropriate Voltage Issued by any State Govt. Under Clause 45 of compilation of Indian Electricity Rules 1956 or as amended from time to time, provided notification in official Gazette, exempt, on such condition.

The contractor shall also submit and confirm:

- Documentary proof of satisfying the eligibility conditions as above , copy of PAN card, copy of CA certificate for turnover, Original authorization of person quoting the tender from Directors/ Proprietor of the company, Near relative certificate from or on behalf of Directors/ Proprietor of the company. (All the documents shall be self attested / certified by any BSNL Executive /Notary /Gazette Officer of Central Govt.).
- The intending Tenderer must read the terms and conditions of tender document, BSNL EW-6 & EW-8 carefully which can be accessed from web site www.tenderwizard.com/BSNL or www.hp.bsnl.co.in. He should only submit his tender if he considers himself eligible and he is in possession of all the documents required.
- ◆ Documentary proof of satisfying the eligibility conditions as per “1” above , copy of PAN card, copy of CA certificate for turnover, Original authorization of person quoting the tender from Directors/ Proprietor of the company, Near relative certificate from or on behalf of Directors/ Proprietor of the company. (All the documents shall be self attested / certified by any BSNL Executive /Notary /Gazetted Officer of Central Govt.).
- ◆ The firm should have GST registration as per GST Act in Himachal Pradesh and should further have EPF and ESI registration certificates from appropriate Govt. authorities.
- ◆ The firms who claim to be exempted from the ESI & EPF registration need to submit an affidavit on Non-judicial stamp paper for the same as per Performa at (Annexure–IV).
- ◆ If the firms do not have ESI & EPF registration, they will though be allowed to participate in the bid process, but they will have to get the ESI & EPF registration within 15 days from the date of issue of intimation from BSNL regarding intent to accept the tender, else their EMD shall be forfeited absolutely and the firm shall not be allowed to participate in the next tender for the same work. If the firm fails to produce ESI & EPF registration certificate on more than one occasion, the firm shall be barred from participating in all future tenders.
- ◆ Declaration of Non-Relative certificate (Annexure-III) & GSTN (Annexure –V)

- ◆ Tender cost & EMD in prescribed form.
- ◆ The tenderer shall submit the tenders in 2 sealed covers marked as cover 1st and 2nd. The first cover should contain the earnest money deposited in the shape of FDR/CDR/Demand Draft/ Pay order/BG from the scheduled Bank or Nationalized Bank/State Bank guaranteed by Reserve Bank of India drawn in favour of **ACCOUNTS OFFICER (Cash) , O/o GMTD Shimla**, and the second cover should contain the tender documents. In case 1st cover is not annexed or earnest money is not in proper form, the 2nd cover containing tenders will not be opened at all.
- ◆ The tender documents and all other relevant information/condition can be had on all working day on payment of Rs. 177.00(One Hundred and Seventy seven Only) i/c taxes in DD/Cash (non refundable).

- ◆ In case Holiday is declared on the opening date tender will be opened at 3.30 P.M. on next working day.

Note:- Tender documents can also be downloaded from the web site www.hp.bsnl.co.in The firm to quotes on the tender downloaded from web site shall strictly adhere to following procedure :-

1. The tender shall be submitted in two envelope system.
 - A. First envelope shall contain tender application (if tender downloaded from WEB), tender fee , attested documents proving fulfillment of eligibility criteria as per the tender notice and EMD in proper form. DD should be attached for tender fee, & Bank Guarantee/DD for EMD on Nationalized bank.
 - B. Second envelope shall contain duly filled tender documents.

The same shall be clearly written on the envelopes

2. The 1st envelope containing tender fee, attested documents providing fulfillment of eligibility criteria and EMD in proper shall be opened first.

In case if:-

- i) Tender fee is not submitted in proper form.
- ii) EMD is not in proper form.
- iii) Firms fails to fulfill eligibility criteria on the basis of documents submitted in envelope.

The second envelope shall not be opened.

3. If any difference / discrepancies found between downloaded. Tender form, Viz a Viz, hard copy issued from Division office / the contents in Draft NIT issued form Div./Circle/CE (E)'s the hard copy /Draft NIT shall be final & binding.

Documentary proof of satisfying eligibility conditions and valid Income Tax clearance certificate or Chartered Accountant Certificate is to be furnished along with the application on printed letter /heads.

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

- ◆ **TENDER DOCUMENTS SHALL NOT BE SENT BY POST/COURIER.**
- ◆ **TENDERS RECEIVED BY POST/COURIER SHALL NOT BE OPENED /ENTERTAINED.**
- ◆ **CONDITIONAL TENDERS OR TENDERS WITH CONDITIONAL REBATES SHALL BE SUMMARILY REJECTED.**

Last date of receipt of application	: 18-12-2017[5.00 P.M.]
Last date of issue of tender document	: 19-12-2017 [4.00 P.M.]
Last date of submission of tender document	: 20-12-2017 [3.00 P.M.]
Date of opening of tender document	: 20-12-2017 [3.30 P.M.]

- ◆ Validity of tender shall be for **90 days** from the date of opening of tender.

**Sub Divisional Engineer (E)
BSNL Electrical Sub Division
Shimla (HP)-171009**

BHARAT SANCHAR NIGAM LIMITED**B.S.N.L EW.- 6****NOTICE INVITING TENDER**

Item rate tenders are invited on behalf of the **Bharat Sanchar Nigam Limited** from eligible contractors for the work “ **Renovation of electrical Installation in GM Cabin at Block No-35 GMTD Bldg Kasumpti, Shimla..**”

The work is estimated to cost **Rs. 22784.00**

(This estimate, however is given merely as a rough guide)

- 1- Tenders will be issued to eligible Contractors.
- 2- Agreement shall be drawn with the successful tenderer on prescribed Form No. 8 which is available as a Govt. of India Publication; Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
- 3- The time allowed for carrying out the work will be 7 days after the date of written orders to commence the work or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any indicated in the tender documents.
- 4 The site for the work is available.

OR

~~—The site for the work shall be made available in parts:-~~

5. Receipt of applications for issue of forms will be stopped by 17:00 Hrs. on 13-11-2017 & issue of tender forms will be stopped by 16:00 Hrs. on 18-12-2017

Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms and conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary document can be seen in the office of the **SDE (E) B.S.N.L Electrical Sub Division, , Block 35 1st Floor o/o the GMTD, Kasumpti, Shimla-171009** between hours of 11.00 A.M. & 04.00 P.M. every day except on 2nd Saturday, Sunday and Public Holidays. Tender documents, excluding standard form No. 8 will be issued from this office, during the hours specified above on payment of **Rs.177.00 inclusive of GST** (non- refundable) in cash/DD .

Note:- Tender documents can also be downloaded from the web site

www.hp.bsnl.co.in

- 6- The tenders must produce a Chartered Accountant certificate in the revised form as modified under Ministry of Finance CBDT circular No. 153/191/2002-TPL dated 13-02- 2003 as amended from time to time before papers can be sold to him.
- 7 - The tender, which should always be placed in sealed envelope with the name of work and due date written on the envelopes, will be received by the **SDE (E) B.S.N.L Electrical Sub Division, Block 35 1st Floor o/o the GMTD, Kasumpti, Shimla-171009** upto 03.00 P.M. on **20-12-2017** and will be opened by him or his authorized representative in his office on the same day at 03.30 P.M.
- 8- The tender shall be accompanied by earnest money, (unless exempted) of **Rs. 456.00** in Receipt Treasury Challan/ deposit at Call Receipt of a scheduled Bank/FDR issued in favour of **Account officer (Cash) , O/o GMTD , Shimla** the amount being credited to Nationalized Bank.

The description of the work is as follows: - **“Providing Electrical Installation at CSC TE Bldg Chhotta Shimla.”**

Copies of other drawings and documents pertaining to the work will be open for inspection by the tenderers at the office of the above mentioned officer. Tenderer are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may requisite and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity, access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plants, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

- 10- The competent authority on behalf of the **B.S.N.L.** does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all the tenders received without the assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect are liable to be rejected.

Conditional tenders or tenders with conditional rebate shall be summarily rejected.

- 11- Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.

12- The competent authority on behalf of the **B.S.N.L.** 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.

13- The contractor shall not be permitted to tender for works in the B.S.N.L Electrical Zone (Responsible for award and execution of contracts) in which his near relative is posted in any capacity in BSNL in that zone. He will also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any person employed in BSNL, in that zone. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of BSNL

14- No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as contractor for a period of two years after his retirement from Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractors' service.

15- The tender for the works shall remain open for acceptance for a period of **Ninety (90) days** from the date of opening of tenders. If any tenderer withdraws his tender before the said period or makes any modifications in the terms and conditions of the tender which are not acceptable to the B.S.N.L., then the B.S.N.L. shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.

16- The Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the accepting authority, shall within 7 days from the stipulated date of start of the work sign the contract consisting of :-

a) The Notice Inviting Tender, all the documents including additional conditions, Specifications and drawings, if any, forming the tender as issued at the time of invitation of Tender and acceptance thereof together with any correspondence leading thereto.

b) Standard BSNL EW Form-8

17. 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 option of terminating the contract without compensation to the contractor.

18. INDULGING 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/ Central Excise/ Custom Departments recommends such a course- Action will be taken as per the directions of CBI or concerned department.

CONTRACT BSNL EW -8 BHARAT SANCHAR NIGAM LIMITED

STATE : Himachal Pradesh CIRCLE : Shimla

ZONE : Himachal Pradesh BRANCH : Electrical

Percentage Rate Tender/Item Rate Tender & Contract for Works

(A) Tender for the work of :-

**Name of Work:- “ Renovation of electrical Installation in GM Cabin at Block No-35 GMTD Bldg
Kasumpti, Shimla...”**

To be submitted by 15.00 hours on **20-12-2017** to **O/o.Sub Divisional Engineer (E) BSNL Electrical Sub Division Shimla (HP)-171009** To be opened in presence of tenderers who may be present at 15.30 hours on **20-12-2017** in the office of **O/o. Sub Divisional Engineer (E) BSNL Electrical Sub Division Shimla (HP)-171009, BSNL, SDE (E) B.S.N.L Electrical Sub Division, , Block 35 1st Floor o/o the GMTD, Kasumpti, Shimla-171009**

Issued to _____
(contractor)

Signature of officer issuing the documents _____

Designation _____

Date of issue : _____

TENDER

I/We have read and examined the notice inviting tender, schedule, Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract clauses of contract, Special conditions, Schedule of 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 B.S.N.L. 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 a Clause 12 of the Conditions of contract and with such materials as are provided for by and in respects in accordance with, such conditions as far as applicable.

We agree to keep the tender open for Ninety (90) days from the due date of submissions thereof and not to make any modifications in its terms and conditions.

A sum of **Rs 456.00** is hereby forwarded in Receipt Treasury Challans /Deposit at call Receipt/FDR of a Scheduled Bank as earnest money. If I/we fail to commence the work specified I/we agree that the said B.S.N.L. 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 in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, upto maximum of the percentage mentioned in Schedule 'F' and those in excess of that limit at the rates to be determined in accordance with the provision content 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 documents and shall not communicate information/derived there from to any person, other than a person to whom I/We am/are authorised to communicate the same or use the information in any manner prejudicial to the safely 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 shall be absolutely forfeited to the B.S.N.L. and the same may at the option of the competent authority on behalf of the B.S.N.L. 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.

Dated.....

Signature of Contractor

Postal Address:--

Witness:

Address:

Occupation:

ACCEPTANCE

The above tender as modified by you (contractor) and as provided in the letters mentioned hereunder is accepted by me for and on behalf of the Bharat Sanchar Nigam Limited for sum of Rs._____

(Rupees_____)

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

- a)
- b)
- c)

For & on behalf of the B.S.N.L.

Signature _____

Dated.....

Designation _____

PROFORMA OF SCHEDULES
(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'

Schedule of quantities (as per BSNL -8) As Per Page No. 23 to 24

SCHEDULE 'B'

Schedule of material to be issued to the contractor.

S.No.	Description of item	Quantity	Rates of figures & works at which the material will be charged to the contractor	Place of issue
1	2	3	4	5
1.	-----	Nil	-----	

SCHEDULE 'C'

Tools and plants to be hired to the contractor

S.No.	Description	Hire charges per day	Place of issue
1	2	3	4
		-----	NIL

SCHEDULE 'D'

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

----- **NIL** -----

SCHEDULE 'E'

Schedule of component of Materials, Labour etc. for escalation.

CLAUSE 10CC

Component of materials expressed as percent of total value of work. "X" = NIL

Component of labour expressed as percent of total value of work. "Y" = NIL

Component of P.O.L. expressed as percent of total value of work. "Z" = NIL

SCHEDULE "F"

Reference to General Conditions of contract.

**Name of Work:- Renovation of electrical Installation in GM Cabin at Block No-35 GMTD Bldg
Kasumpti, Shimla...**Estimated cost of work: **Rs. 22784.00**Earnest money: **Rs. 456.00**

Performance guarantee: 5% of Contract Value in the form of bank guarantees (of a Nationalized / Schedule Bank in a standard format)/CDR/FDR/DD within two weeks from the date of issue of award letter. The validity period of the performance bank guarantee shall be One Year from the date of actual completion of work (**Ref. Page no. 86 of BSNL EW-8 for individual work**)

Security Deposit : In addition to performance guarantee a sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the Contract value of the work. The amount shall be refunded after One Year from the actual date of completion of work.

GENERAL RULES: Officer inviting tender Sub Divisional Engineer (E)

& DIRECTIONS Maximum percentage for quantity of items of work to be executed **beyond** which rates are to be determined in accordance with Clauses 12.2 & 12.3. As per clause **12** of Important Note For Contractors (page 15)

Direction :

2(v)	Engineer-in-Charge	Sub Divisional Engineer (E) BSNL Electrical Sub Division Dharamshala (HP)
2(viii)	Accepting Authority	SDE (E) BSNL ESD Shimla (HP)
2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	10%
2(xi)	Department	Bharat Sanchar Nigam Ltd.
2(xii)	Standard Schedule of Rates	DSR-2014
9 (ii)	Standard CPWD Contract form	BSNLEW form 7/8 as modified & corrected upto date
Clause 2	Authority for fixing Compensation under clause 2.	Superintending Engineer (E.)
Clause 5	Time allowed for execution of work.	7 days from 5th day of the date of written orders to commence the work .
	Authority to give fair and reasonable Extension of time for completion of work	Executive Engineer (E)

Clause 7

Gross work to be done together with net payment/ adjustment of advance for materials collected, If any, since the last such payment for being eligible to interim payment.

FIVE THOUSAND

Clause 11

Specifications to be followed for execution of work.

AS PER SPECIFICATION ATTACHED & CPWD

Clause 12

12.1(ii) Schedule of rates for determining rates for additional, altered or substituted items that cannot be determined under 12.1(i) & (ii)

DSR-2016

12.1 (iii) Plus/minus the % over the rate entered in the schedule of rates.

-----do-----

12.1(v) A Deviation Limit beyond which sub-clauses (i) to (v) shall not apply and clauses 12.2 & 12.3 shall apply

25% and can be extended up to 50% in urgent nature as per clause 13(a) & (b)
Page16

12.1(vi)B

(a) Limit for value of any item of any individual trade beyond which sub-clauses (i) to (v) shall not apply and clauses 12.2 & 12.3 shall apply

-----do-----

Clause 16

Competent Authority for deciding reduced rates.

**S.E.(E), B.S.N.L., Electrical Circle,
SHIMLA.**

Clause 36

(i) Minimum Qualification & experience required for Principal Technical Representative.

(a) For works with estimated cost put to tender more than
(i) Rs. 10 Lacs for Civil work
(ii) Rs. 5 Lacs for Elect./Mech. Works

Graduate or retired AE possessing at least recognised diploma.

(b) For works with estimated cost put to tender
(i) More than Rs. 5 Lacs but less than Rs. 10 Lacs for Civil Works.
(ii) More than Rs. 1 Lacs but less than Rs. 5 Lacs for Elect./Mech. Works.

Recognised Diploma holder.
Elect / Mech

(c) Discipline to which the Principal Technical Representative should belong.

Elect/ Mech

(d) Minimum experience of works.

3 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
Rs. 2,000/- for diploma holder

Clause 42

- (i) Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates ___ printed by C.P.W.D. -----N.A.-----
- (ii) Variations permissible on theoretical quantities.
- (a) i) Cement for works with estimated cost put to tender not more than Rs. 5 Lacs. N/A.
- ii) for works with estimated cost put to tender more than Rs. 5 Lacs. N/A.
- (b) Bitumen all works. N/A
- (c) Steel Reinforcement and structural steel sections for each diameter, section and category. N/A.
- (d) All other materials. Nil

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond permissible variation	less use beyond the permissible variation
1.	Cement		
2.	Steel Reinforcement		
3.	Structural Sections	----- N.A. -----	
4.	Bitumen issued free		
5.	Bitumen issued at stipulated fixed price.		

“IMPORTANT NOTE FOR CONTRACTORS”

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

1. SUBMISSION AND OPENING OF TENDERS:-

- i) The tender shall be submitted as prescribed in clause 7 of BSNL EW 6.
- ii) The tenderer are advised not to deviate from the technical specifications / items, commercial terms and conditions of NIT.

2) BSNL does not bind himself to accept the lowest or any tender and 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 quoted.

3) TAX AND DUTIES: -

The firm shall quote rates for all items inclusive of all taxes, duties, and Octroi but excluding GST. No concessional form in any shape shall be issued by the BSNL.

4) SECURITY DEPOSIT:-

Recovery of security deposit at the rate of 10% in accordance with clause 1A of BSNL EW-8 shall be deducted by BSNL from progressive payments made to the firm from all the running bills till the sum along with the sum already deposited as earnest money will amount to security deposit of 5% of the tendered value of the work. This shall be refunded to the contractor as per Clause 17 of BSNL EW-8. This will be released after an observation of 12 months after the date of completion of work along with performance guarantee.

5) TERMS OF PAYMENT:

No advance payment will be made. Payment to the contractor during the contractor during the progress of work is regulated for all the items as below. Stipulations like levy of interest if payment is not made in specified time are not acceptable to the BSNL.

- i) 90% of approved contract value on supply and installation of scheduled items
- ii) 10 % of approved contract value after successful testing & commissioning

NOTE:-

- a) Stipulations like levy of interest if payment is not made in specified time are not acceptable to the BSNL
- b) In cases where shortage / damages are intimated to the supplier in writing, the balance payment shall be released only after the cases are settled in accordance with the provisions of the P.O.
- c) 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.

6) DATE OF COMPLETION: -

Date of successful testing & commissioning of system will be considered as the date of completion.

7) COMPLIANCE OF EPF ACT:

The firm has to fulfill / compliance of the provisions of EPF & Misc. Provisions Act 1952 & Employees' Provident Fund Scheme 1952. The each claim bill of contractors must accompany the 1) List showing the details of laborers / employees engaged. 2) Duration of their engagement. 3) The amount of wages paid to such laborers / employees for the duration in question. 4) Amount of EPF contributions (both employer's and employee's contribution) for the duration of engagement in question, paid to the EPF authorities. 5) Copies of authenticated documents of payments of such contribution to EPF authorities and 6) A declaration from the contractors regarding compliance of the conditions of EPF Act, 1952.

8) DECLARATION BY TENDERER

- (a) To be signed by Proprietor in case of proprietorship firm.
- (b) To be signed by all partners in case of partnership firm.
- (c) To be signed by all the directors in case of the company.

1. M/s.....
- S/o
- R/o

Hereby certify that none of my relatives (*) as defined below is/are employed in BSNL units(**) as defined below.

In case at any stage it is found that 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.

(*) Definition of Relatives.

- (a) Member of Undivided family.
- (b) They are husband and wife.
- (c) They are related to the other in the manner as Father, Son(s) and Son's wife (Daughter-in-law, Daughter(s) & Daughter's husband (Son-in-law), Brother & Brother's wife, Sister(s) & Sister's husband (Brother-in-law).

(**) The company or firm or any person is not permitted to tender for the work in BSNL unit in which his near relative(s) is (are) posted. The unit is defined as

- (a) For Non Executive Employees: SSA/Circle/Chief Engineer/Chief Architect/ Corporate Office.
- (b) For Executive Employees (including those called as gazetted officer at present): All SSA in Circle office/Chief Engineer /

Chief Architect / Corporate Office.

Place: _____

Date: _____

Signature of tenderer

9) TAX DEDUCTED AT SOURCE: -

The rates offered by the firm shall be inclusive of VAT as applicable in the state. The BSNL shall deduct TDS from payments due to the firm as per rules of the state Government. Certificate for such deductions shall be issued to the firm by the Accounts officers of the concern division.

10) GST:-

The rates offered by the firm shall be exclusive of the GST as applicable. The firm shall claim GST with the bill clearly furnishing the complete details of GST so included. BSNL, under no circumstances, will consider any claim of GST not included in the bill. It will be the firm's responsibility to settle GST with GST authorities.

- 11(a) 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.
- 11(b) The contractor (s) shall within a period of 30 days of imposition of any further tax or levy pursuant to the constitution (Forty Six 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 claims by the contractor the tender may be liable to be summarily rejected by the accepting authority. (Standing order No. 258)

12. EARNEST MONEY:- Firm has option to deposit earnest money in the of demand draft/pay order/FDR/CDR of schedule bank of nationalized bank /state bank guaranteed by reserve bank of India drawn in favour of Account Officer, BSNL, Shimla.

13 Performance guarantee: 5% of Contract Value in the form of bank guarantee (of a Nationalized / Schedule Bank in a standard format)/CDR/FDR/DD within two weeks from the date of issue of award letter. The validity period of the performance bank guarantee shall be One Year from the date of actual completion of work. **[Applicable in respect of works with estimated cost put to tender exceeding Rs 6 Lakhs]**

14 Security Deposit: In addition to performance guarantee a sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the Contract value of the work. The amount shall be refunded after Six Months from the actual date of completion of work. **[Applicable in respect of works with estimated cost put to tender up to Rs 6 Lakhs]**

15. TERMS OF PAYMENT:-

- a) 80% of prorate of the approved price break-up of contract value on receipt of equipment at site.
- b) 10% of prorate of the approved price break up of contract value after successful installation
- c) 10 % of the approved contract value after successful completion of the testing and Commissioning

16. Deviation:-

- a) The ordering quantity can be increased/decreased up to the extent of 25% (deviation limit) without the consent of the firm within the currency of contract. The firm shall execute such quantities at the rate quoted in the tender without any change in terms and conditions of the contract.
- b) In exceptional situation where the requirement is of an emergent nature and it is necessary to ensure continued supplies from the existing vendors, the purchaser 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 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.

17. Guarantee & Defects Liability Period

The guarantee shall be valid for 12 (twelve) months after successful installation testing and commissioning. The contractor shall guarantee that all the equipment shall be free from any defect due to the defective materials and/ or bad workmanship and also the equipment shall work satisfactorily with performance and efficiencies not less than the guaranteed values.

- a) Any parts found defective during the guarantee period shall be replaced free of cost by the contractor. The services of the contractors personnel, if required during this period shall be made available free of cost to the department.

- b) The representative of department and firm shall prepare a joint report regarding the nature of defect and remedial action required. Time schedule for such action shall be also finalized.
- c) In case the contractor fails to depute his representative within 36 (thirty six) hours of notification of defects or fails to cause remedial measure within a reasonable time as decided during joint inspection, the department may proceed to do so at the contractor's risk and expenses without prejudice to any other right.

18. COMPENSATION FOR DELAY

If the contractor fails to maintain the required progress or complete the work and clear the site on or before the contract or extended date of completion, he has to pay the compensation for delay which is limited to 0.5% per week of work order value for the first 10 weeks and 0.7% per week for next 10 weeks and thereafter subject to a maximum of 12% of the work order value for the location where 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.

19:- Participation of near relatives of the BSNL employees

All near relatives of 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 detailed guidelines in this regard are given in the following paragraphs :-

I) 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).

II)

As per Government of India's CCS Conduct rule 4, no Government servant shall in the discharge of his official duties deal with any matter or sanction any contract to any company or for any other person if any member of his family is employed in that company or firm or under that person or if he or any member of his family is interested in such matter or contact to his official superior. This clause is applicable to all BSNL employees and in view to this as soon as any BSNL employee becomes aware of the

above aspect, he must intimate this to the prescribed authority.

For non executive employees this authority is SSA Head/Circle Head/Chief Engineer/ Chief Archt./ Corporate office under whom he is posted. For executive employees (at present some of them are called as Gazetted officers) the prescribed authority for this purpose is Circle Head/Chief Engineer/Chief Archt. Corporate office under whom he is posted.

- III) (a) The company or firm or any other person is not permitted to tender for works in BSNL Units 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 Engineer/Chief Architect/Corporate office for executive employees (those called as Gazatted officers at present). Therefore, it has been decided by the competent authority that a clause must be added in the tender and other related documents that 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. In case of proprietorship firm certificate will be given by all the partners and in case of limited company by all the Directors of the company. Any breach of these conditions by the company or firm or any other person, the tender/work will be cancelled and earnest money/security deposit will be forfeited at any stage whenever it is so noticed. The department 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.

ANNEXURE-I
MODEL FORM OF BANK GUARANTEE

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 _____
_____ (hereinafter called "the B.S.N.L.") in the sum of
_____ for which payment will and truly to be made of the said B.S.N.L., the Bank binds
itself, its successors and assigns by the 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 Bharat Sanchar Nigam Limited 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 Bharat Sanchar Nigam Limited upto the above amount upon receipt of its first written demand, without B.S.N.L. having to substantiate its demand, provided that in its demand B.S.N.L. 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. The guarantee will remain in force as specified in the Tender Document upto 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.

Name of witness
Address of witness

Signature of the Bank
Signature of the Witness

ANNEXURE-II**MODEL FORM OF PERFORMANCE GUARANTEE**

- I) BANK GUARANTEE BOND FOR PERFORMANCE GUARANTEE FOR ELECTRICAL INSTALLATION/O & M/ AIR CONDITIONING, DIESEL ENGINE ALTERNATOR, LIFTS AND SUB-STATION WORKS etc.

_____ for _____
 _____(Name of work) and

Whereas ----- (here in after called" the Contractor(s)" has submitted its Tender dated _____ for _____(Name of work) and

Whereas----- (here in after called" the Contractor(s)" has been communicated the acceptance of its tender dated _____ for _____(Name of work)vide letter No. _____ dated _____ BSNL.

KNOWN ALL MEN by these presents that We _____ of _____ having our registered office at _____(here in after called "The bank")are bound up to _____(here in after called "the BSNL") in the sum of _____ for which payment will and truly to be made of the said BSNL,the Bank binds itself, its successors and assigns by these presents.

- i) 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 contractor(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 _____.
- ii) We under take 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.
- iii) 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 TWO/TWO AND HALF/THREE YEARS(as specified in the agreement) from the date hereof, we shall be discharged from all liabilities under this guarantee thereafter.

- iv) We (name of the bank)_____further agree with the BSNL that the BSNL shall have the further 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 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.
- v) This guarantee will not be discharged due to the change in the constitution of the Bank or the Contractor(s)/supplier(s).
- vi) We (name of the bank)_____lastly undertake not to revoke this guarantee during its currency expect with the previous consent of the BSNL in writing .

Dated_____ day of _____

For_____
 (Indicate the name of bank)

DECLARATION TO BE GIVEN BY CONTRACTOR

I.....S/o.....

R/o.....

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”.

DATED: -----

Signature of contractor

Schedule of Quantity

NAME OF WORK: - Renovation of electrical Installation in GM Cabin at Block No-35 GMTD Bldg Kasumpti, Shimla.

S. No.	Description of items	Qty	Rate	Unit	Amount
1	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.				
(a)	3 Module (100mmX75mm)	4 Nos		Each	
(b)	4 Module (125mmX75mm)	1 No		Each	
(c)	6 Module (200mmX75mm)	2 Nos		Each	
(d)	8 Module (125mmX125mm)	1 No		Each	
(e)	12 Module (200mmX150mm)	3 Nos		Each	
2	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
(a)	5/6 amps switch	14 Nos		Each	
(b)	15/16 amp switch	9 Nos		Each	
(c)	3 pin 5/6 amp socket outlet	8 Nos		Each	
(d)	6 pin 15/16 amp socket outlet	9 Nos		Each	
3	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
(a)	3 x 1.5 sq. mm	25 Mtrs		Mtr	
(b)	4 x 1.5 sq. mm	10 Mtrs		Mtr	
(c)	3 x 4 sq. mm	20 Mtrs		Mtr	
4	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
(a)	25 mm	30 Mtrs		Each	

5	Supplying installation testing and commissioning of prewired surface mounted square fixture LED panel al. die cast body with premium diffuser 1 x 12 watt LED fitting complete with connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required. (M/s Havells Comet Square LHEAAMP7IL1W012 or Equivalent of Similar Superior Make)	8 Nos		Each	
6	Supplying installation testing and commissioning of prewired surface mounted mirror light 10 watt CFL fitting complete with connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required. (M/s Havells or Equivalent of Similar Superior Make)	1 No		Each	

(Signature with Seal of Firm)

Sub Divisional Engineer (E)
BSNL Electrical Sub Division
Shimla

ADDITIONAL SPECIFICATIONS FOR THE WORK (E.I. & FANS)

1. The work shall be done as per CPWD specifications for electrical works as amended from time to time and Indian Electricity Rules as amended up to date
2. The work shall be supervised by a qualified over-sear.
3. The layout of the work will be given by the Engineer-in charge or the duly authorized representative, at the site work.
4. The following wiring shall be done in separate circuits.
 - A) Power plug wiring.
 - B) Light and fan point wiring.
 - C) Emergency light and fan point wiring.
 - D) Telephone wiring.
 - E) Circuit wiring.
 - F) Sub main wiring.
5. The number of power plug points shall be one per circuit As in H.P. heater are used on each Circuit.
6. The earthing sets shall be provided in the presence of the Engineer-in-charge or his authorized representative.
7. The contractor will have to submit the completion plan to scale in triplicate in ammonia printed i.e. Blue prints before finally paid, failing which 2.5% of the value of work subject to a ceiling of Rs. 2500/- will be recovered from his final bill.
8. **The contractor will have to give the following tests at his cost and intimate test results before final bills are paid. Nothing extra will be paid to him on this accounts.**
 - A) Earth Test.
 - B) Polarity Test.
 - C) Insulation Test.
 - D) Earth continuity test of the recessed conduit pipes.
9. Any damage done to the building by the contractor during the execution of work shall have to made good at his cost and risk. If he does not do it himself within a reasonable time determined by the Executive Engineer (Elect) then the same will be get done at his cost departmentally after giving notice to him.
10. The outlet box is for switches and pipes or conduits etc. For different categories of conduits runs catering for different type of electric wiring as mentioned in clause(4)

above shall be painted inside with different colors each signifying the different categories mentioning so as to avoid mixing of various circuits and their wiring and nothing extra will be paid for this account.

11. At the time of laying conduit pipe in the slab and in recess the contractor will keep fish wire of 14 S.W.G. (G.I.) wire through conduit/pipe and will have to take special care so that the conduits do not pass through air conditioning nuts grills, columns, beams etc. If any such necessity is foreseen special written permission of E.E. (Elect) will be obtained before such work is carried out, in case of failure the contractor will not be paid this account. Successful tenderer should recess the conduit in the walls before they are plastered and in collaboration with the cost of the contractor. The conduit/pipes should be mechanically and electrically continues.
12. The Bakelite covers of the tumbler switches, plug & sockets etc. shall not be removed or broken for taking connections. It shall be done at their backs by providing suitable wooden rider in the I.C. boxes, where found necessary. All I.C. boxes for switches, plugs and regulators etc. shall be provided with thick Bakelite sheet covers.
13. The runs of various circuits wiring at various places shall be kept minimum by taking the runs on walls, where crossing column is not necessary. This has to be decided before the casting of slab, so that unnecessary length of conduits is not laid therein.
14. All the I.C. distribution boards, sub main boards and their complete fittings shall be sign written, clearly indicating the number of distribution boards, the socket load it is serving and the number of circuits contained in the distribution box.
15. Underground cables both of 220v and 1.1kv grade should be subjected to pressure/insulation tests before and after laying the same in the ducts. In case of unsatisfactory tests, the cost of all repairs and replacements and all extra work of removal and relaying will have to be done by the contractor at his own risk and cost.
16. The contractors will have to use metal clad switches/MCB's/Isolators/MCB distribution boxes and metal clad distribution as given in the schedule of work.
17. A termination of all connections of main boards/sub-main boards/sub-distribution boards will be done by crimping and nothing extra will be payable on this account.
18. Inter-connection between bus-bars and switches i/c and above 100Amps. sub main boards connections, will be done with solid copper conductor with PVC sheathing.
19. For the conduit already laid, recovery shall be made on the basis of DSR-2012 rates plus abatement of this tender on linear basis.
20. The Department shall not supply any tools and plants.
21. The work is to carry out according to the drawings issued, kept in the office of Engineer-in-charge who reserves the right to change the layout as and when Required according to changed site conditions at any stage .The wiring and Conduit routes are to be marked at site first and got approved by the Engineer-In-charge for commencement of actual work. No extra payment shall be made on this account.

22. The electrical works shall be carried out in close with the civil work in such a way that at no stage the electrical works lags behind the civil works.
23. No compensation shall be payable to the contractor for any damage caused by Rain, fire, wind, storm, flood, or otherwise and no claim on this account shall be Entertained.
24. The contractor shall maintain in good condition all work executed till the Completion of work allotted to him.
25. No sharp edges of conduit shall be left unrounded.
26. The 5A/15A sockets should be multiple pin type
27. All the material to be used on the work shall be (S) marked and if ISI marked is not manufactured the confirmation to ISS shall be used. The same shall be approved by Engineer-in-Charge before use .All rejected material is to be removed from the site of work immediately at contractor's on cost.

28 PROTECTIVE(Loop earthing/earth continuity) CONDUCTOR:-

- (i) Earth terminal of every switch board in the distribution system shall be bonded to the earth bar/terminal of the upstream switch board by protective conductor (s).
- (ii) Two protective conductors shall be provided for a switch board carrying a 3 phase switch gear thereon.
- (iii) All the mountings of industrial type switch boards shall be bonded to the earth stud/earth bar using a protective conductor looping from one to another. Loop earthing of individual units will not be however necessary in the case of cubicle type switchboards.
- (iv) The earth connector in every distribution board (DB) shall be securely connected to the earth stud/earth bar of the corresponding switch board by a protective conductor.
- (v) All metallic switch boxes and regulator boxes and regulator boxes in a circuit shall be connected to the earth connector in the DB by protective conductor (also called circuit protective or loop earthing conductor), looping from one box to another upto the DB.
- (vi) The earth pin of socket outlets as well as metallic body of fan regulators shall be connected to the earth stud in switch boxes by protective conductor. Where the switch boxes are of non-metallic type, these shall be looped at the socket earth terminals, or at an independent screwed connector inside the switch box. Twisted earth connections shall not be accepted in any case.
- (vii) Double earthing strips in rising mains, bus trunking etc. shall be securely connected to the earth bar/earth stud at the sending end switch board. In the case of overhead busbar systems, protective conductor shall be provided in addition to feeder cable armouring connection.

29 EARTH RESISTANCE:-

- (I) The earth resistance at each electrode shall be measured. No earth electrode shall have a greater ohmic resistance than 5 ohms as measured by an approved earth testing apparatus. In rocky soil the resistance may be up to 8 ohms.

- (II) Where the above stated earth resistance is not achieved, necessary improvement shall be made by additional provisions, such as additional electrode (s), different type of electrode, or artificial chemical treatments of soil etc., as may be directed by the Engineer-in-charge.
- (III) In addition to the above (I) The earthing is to be got A/T'ed in the presence of representatives of A/T wing or any other nominated authority as per A/T Schedule till the final results are achieved. The testing equipment required that at site shall be arranged by the contractor without any extra charges.

30 MARKING:-

- (i) Earth bars/terminals at all switch boards shall be marked permanently, either as "E" or as.
- (ii) Main earthing terminal shall be marked "SAFETY EARTH- DO NOT DISCONNECT".

31 USE OF RESIDUAL CURRENT DEVICES (RCDs):-

An extract on selection and application of RCDs (also known as RCBs) from IS:12640-1988 is given Appendix H. Provision of RCD shall be specified in individual cases keeping in view the type, use, importance, system of earthing and nature of electrical installations to be protected by the RCCBs, requirements of the local electric supply company, etc. The sensitivity shall be 30mA, 100mA, 300mA, or 500mA as specified.

**TABLE VIII
MATERIALS AND SIZES OF EARTH ELECTRODES
[Clause 1.2.1.2(i)]**

Type of Electrode	Material	Size
Pipe	GI Medium Class	40 mm dia 4.5 m long (Without any joint)
Plate	(i) GI	600 mm x 600 mm x 6 mm thick
	(ii) Copper	600 mm x 600 mm x 3 mm thick
Strip	(i) GI	100 Sq.mm section.
	(ii) Copper	40 Sq.mm section
Conductor	(i) GI	5 mm dia (6 SWG)
	(ii) Copper	4 mm dia (8 SWG)

Note:- Galvanization of GI items shall conform to class IV of IS: 4736-1986

BHARAT SANCHAR NIGAM LIMITED

LIST OF APPROVED MAKES- BSNL ELECTRICAL WING (As on 29.02.2016)

Sr. No.	Item	Make
1	Engine	Ashok Leyland /Cummins/ Cater pillar /KOEL / Volvo Penta / Mahindra & Mahindra (up to 200 KVA) /Escorts (up to 30 KVA)/ Eicher (up to 35 KVA)
2	Alternator(Brushless)	Crompton Greaves (AL. series) / KEC / Leroy Somer / Stamford/Jyoti Ltd
3	Battery (Lead Acid / Mntc. Free)	Amara Raja / AMCO / Farukawa / Hitachi / Exide/ Prestolite / Standard
4	HV Switchgear (Vacuum CircuitBreaker/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/ Patson/ Rajasthan Transformer and Switchgear
6	Air Circuit Breaker	L&T/ Schneider Electric / Siemens
7	MCCB(Ics=Icu)	L&T/ Schneider Electric / Siemens
8	SDF units	L&T/ Schneider Electric / Siemens/ HPL/ Havells
9	Power Contactors	L&T/ Schneider Electric / Siemens/ Lakshmi(LECS)
10	Change Over Switch	HPL / Havells / H-H Elcon
11	Intelligent APFC Relay	L&T/EPCOS(Siemens)/ Schneider Electric / Neptune Ducati/Syntron/ABB
12	Bus Bar Trunking/ Sandwiched Bus Duct	Moeller/L&T/Schneider Electric/ABB /Legrand/Zeta
13	Power Capacitors (MPP/APP)	L&T/EPCOS(Siemens)/ABB/Crompton/ Schneider Electric/Neptune Ducati
14	Digital/ KWHr meter	Schneider Electric/ AE/ Digitron / IMP/ Meco / Rishabh /Universal/HPL/L&T/ABB/Yokins
15	Cold shrink HT/LT Cable Joint	Denson / 3M(M-Seal)/ Raychem
16	Rubber Matting	ISI mark
17	MCB/ Isolator /ELCB/RCCB/ Distribution Board	Crompton / Havells / Indokopp / MDS Legrand / L&T / Schneider Electric/ Siemens / Standard/ 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

Sr. No.	Item	Make
26	Starter	ABB / BCH / Schneider Electric / L&T /Siemens /
27	Single Phase Preventer	L&T / Minilec / Siemens / Zerotrip
28	GI/MS Pipe	ATC / ATL / BST / GSI / ITC / ITS / IIA / JST / Jindal /TTA / Tata/Zenith
29	Foot Valve	ISI mark
30	Gate Valve	Advance/Audco/Johnson Controls/Zoloto /Annapurna / Fountain /Kirloskar / Leader / Sant / Trishul
31	Compressors	Carrier/Emerson Copeland/York/Danfoss (for chillers only)
32	Resin Bonded Glass wool	Fibre Glass / Pilkington / UP Twiga
33	Expanded Polystyrene	BASF(India) Ltd.
34	Gauge	Feibig / H.Guru / Pricol
35	Controls	FLICA / Honeywell / Indfoss / Penn-Danfoss / Ranco / Ranutrol / Sporland
36	Fine Filters	Anfiltra Effluent / ARW / Athlete/Airtake/ Dyna / Kirsloskar/ Puromatic/ Purafill/ Purolator / Tenacity
37	GI Sheet	HSU Jindal / National / Nippon Denro / Sail / Tata
38	Heat Detector	Appollo / Chemtron/ Edward / Fenwal/ Hochiki / Nitton /System Sensor/ Wormald /Honeywell Essar/Notifier
39	Ionization Detector	Appollo / Cerebrus / Edward/ /Fenwal / Hochiki / Nitton / System Sensor /Wormald
40	Photo Electric Smoke Detector	Appollo / Cerebrus / Edward / Fenwal/ Hochiki / Nitton / Wormald/System Sensor
41	Fire Panel (Microprocessor based)	Agni Instruments / Agni Devices/ Aruna Agencies/ Carmel Sensor / Ravel Elect. /Honeywell Essar/Notifier/Navin Systems
42	Sprinkler/ Hose Reel & Hose Pipe	ISI mark
43	Fire Extinguisher	ISI mark
44	Lift	OTIS/ Kone/ Mitsubishi/ Schindler/Johnson/ThyssenKrupp Elevators(India)
45	High Precision Air Conditioners (HPAC units)	Units Manufactured by 1. M/s Emerson Network Power India(P) Ltd, Thane 2. M/s Sidwal Refrigeration Ind.(P) Ltd, New Delhi 3. M/s Stulz CHSPL India(P) Ltd, Mumbai 4. M/s Schneider Electric IT Business(I) Pvt Ltd, Gurgaon(formerly M/s Uniflair India(P) Ltd.
NOTE- In addition to above, the items having valid approval of BSNL Elect Zone HP Shimla shall also be used.		

NOTE:

1. In case of External / PMC works, the list of approved makes may be modified as per client's requirement.
2. The accessories such as CT/PT/measuring instrument/relays provided by approved make in respect of Transformer/HT Panel/DG /AC Package Units as supplied by approved manufacturer along with the equipment's are also acceptable in addition.
3. Any additional makes may be approved by concerned PCEs/Sr. CEs/CEs (Elect) for the works under his jurisdiction as already accorded vide letter No. - 3-2-5/EW/VEP-1/2007 Dated 5-7-2007.

NOTE:- Items which are approved from O/o PGM(E) BSNL New Delhi till last date of sale of tender, shall also be accepted.

Annexure-1

PROFORMA FOR AFFIDEVIT REGARDING registration under Himachal Pradesh
GST ON NON- JUDICIAL STAMP PAPER OF Rs. 100/-
(To be uploaded with Eligibility conditions)

I.....son
of..... Resident of
.....
.....hereby give an undertaking that:

I / We shall get registered under the Himachal Pradesh GST in the prescribed format within 15 days, from the date of issue of intimation from BSNL regarding intent to accept the tender. In case I / We fail to produce the said document within the prescribed time frame, BSNL shall have the right to forfeit the whole Earnest Money and cancel the tender and further I / We will not participate in the next tender for the same work.

In case at my 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.

contractor)

(Dated Signature of

of the firm)

(Seal

Annexure-II

Declaration by Contractor for EW-6, EW-8
(To be submitted with Eligibility conditions)

I / We do hereby undertake to have gone through the terms & conditions / clauses of all the tender documents including Form EW-06, EW-08 being adopted by the BHARAT SANCHAR NIGAM LIMITED (Electrical Wing) & agree to abide by the same.

In case of failure to comply as above, our offer will stand withdrawn and our tender documents would not be opened by the tender opening officer. 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-III

“NO RELATIVE WORKING IN BSNL” CERTIFICATE
(To be uploaded with Eligibility conditions)

I _____ S/o _____ R/o _____

here by certify that none of my relative(s) as defined below is/are employed in BSNL unit as per details given in the tender document. 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.

(i) 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).

(ii) 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.

(Dated Signature of contractor)

(Seal of the firm)

ANNEXURE-IV
PROFORMA FOR AFFIDEVIT REGARDING EPF/ ESI PROVISIONS
(To be uploaded with Eligibility conditions)

I.....son of

Resident of hereby give an undertaking that:

(I) * EPF and Miscellaneous provisions Act, 1952 (amended upto date) is not applicable to my / our establishment.

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

* I / We shall produce EPF registration certificate within 15 days, from the date of issue of intimation from BSNL regarding intent to accept the tender. In case I / We fail to produce the said document within the prescribed time frame, BSNL shall have the right to forfeit the whole Earnest Money and cancel the tender and further I / We will not participate in the next tender for the same work.

(II) * ESIC Act, 1948 (amended upto date) is not applicable to my / our establishment.

* I / We have registered as per the ESIC Act, 1948 (amended upto date) and our Registration no. is We undertake to keep it valid during the currency of contract.

* I / We shall produce ESIC registration certificate within 15 days, from the date of issue of intimation from BSNL regarding intent to accept the tender. In case I / We fail to produce the said document within the prescribed time frame, BSNL shall have the right to forfeit the whole Earnest Money and cancel the tender and further I / We will not participate in the next tender for the same work.

In case at my 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)

(Dated Signature of contractor)

(Seal of the firm)

CONTRACTOR

SUB DIVISIONAL ENGINEER (E)

Annexure-V
UNDERTAKING

(To be uploaded with Eligibility conditions)
VENDOR GST DETAILS

A	Vendor Name	
B	Type of vendor i.e. whether registered or unregistered	
C	State wise registration address of the vendor (In case vendor has presence in multiple states)	
D	State of registration along with PIN code	
E	PAN No. of vendor	
F	GSTIN No. of registered vendor (If registered in multiple states, then listing all GSTINs) under which invoices are raised by vendor	
G	Status of vendor i.e. SEZ, EOU, DTA, Government, Local authority	
H	List of goods and services provided by vendor	
I	HSN code for goods/SAC for services supplied by vendor	
J	GST compliance rating (Optional)	
K	Whether supply is exempt/non taxable	
L	Whether reverse charge scheme is applicable. (Yes/No)	
M	Whether compounding scheme applicable (Yes/No). In case purchase is from dealers under composition scheme GST cost will be inbuilt in supply and vendor will not charge GST separately	
N	Whether TDS applicable (Yes/No)	
O	Email address of vendor	
P	Phone Nos. of vendor	

(Seal of the firm)

(Dated Signature of Contractor)