



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

% SUB DIVISIONAL ENGINEER (E), BSNL Electrical Sub Division-I,  
6<sup>th</sup> floor, BSNL Bhavan, Adarsh Nagar, Hyderabad. -500063  
Tel No : 040- 23224134, Fax No: 23224156

**NOTICE INVITING TENDER**

NIT NO: 05/BESDH-I / 2020-21

Dated: 16 – 07 – 2020

The Sub Divisional Engineer (E), BSNL Electrical Sub Division - I, 6th Floor, BSNL Bhavan, 5-9-25, Hill Fort Road, Adarshnagar, Hyderabad - 63, invites on behalf of the Chairman, BSNL sealed item rate tenders for the following works:

Work No.	Name of work	Estimated Cost	EMD	Tender cost (Non-Refundable)	Time for completion
1	Providing repairs to various capacity AVRs at Karwan, Tolichowki & Mehdiapatnam, Hyderabad-recall	Rs. 33,280/-	Rs. 666/-	Rs 177/-	One Month

**Eligibility Conditions:**

from contractors satisfying the following conditions

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

AND

- B) (i) The manufacturer/ authorized dealer/ OEM of the makes or major equipments included in the NIT. The letter of authorization from manufacturer in original / photo copy attested by BSNL executive will be submitted.

OR

- (ii) Experience of having successfully completed similar works in BSNL during last 7 years ending last day of month previous to the one in which applications are invited, should be either of the following

- (a) Three similar successfully completed works costing not less than the amount equal to 40% of the estimated cost put to tender.

OR

- (b) Two similar successfully completed works costing not less than the amount equal to 60% of the estimated cost put to tender.

OR

- (c) One similar successfully completed work costing not less than the amount equal to 80% of the estimated cost put to tender.

OR

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

**Contractor shall submit and confirm:**

- 1) Valid "Chartered Accountant Certificate" and Registration Certificate with attested copies as applicable along with application on their printed letterheads for purchase of Tenders.
- 2) The tenderer shall submit the tenders in two sealed covers marked as cover 1<sup>st</sup> and 2<sup>nd</sup>. The first cover should contain earnest money deposited in the shape of Demand draft/ pay order of a Scheduled Bank or Nationalized Bank / State Bank guaranteed by Reserve Bank of India drawn in favour of the **Accounts**

**officer (cash), Main BSNL Hyderabad** and the 2<sup>nd</sup> cover should contain the tender document. In case the first cover is not annexed or earnest money is not in proper form, the 2<sup>nd</sup> cover containing tenders will not be opened at all.

- 3) The firm who quotes on the tender downloaded from website shall strictly follow the following procedure:  
The tenderer shall submit the tenders in two sealed covers marked as cover 1st and 2nd.
- 4) The first cover should contain the following
  - a) Earnest Money Deposit (EMD) in the shape of Demand draft/ pay order of a Scheduled Bank or Nationalized Bank / State Bank guaranteed by Reserve Bank of India or Bank Guarantee bond drawn in favour of the **Accounts officer (cash), Main BSNL, Hyderabad**.
  - b) Cost of the tender documents in the shape of DD.
  - c) The Credentials of tenderer self attested and certified by any BSNL Executive. If not certified by BSNL Executive, then original documents shall be produced at the time of opening.
- 5) The Second cover should contain duly filled tender document.  
The first envelop containing tender fee, attested document proving fulfilment of eligibility criteria containing and EMD in proper form shall be opened first.
- 6) The second envelope shall not be opened in case
  - a) Tender fee is not submitted in proper form
  - b) EMD is not in proper form
  - c) Firm fails to fulfill eligibility criteria on the basis of document submitted in the first envelope.
- 7) If any difference/ discrepancies found between downloaded tender form, any hard copy issued from division office, the contents in Draft NIT issued from SDE(E)'s office will be final & binding.
- 8) Tenders received by post/courier shall not be entertained.

The tender will be received up to 3 PM on DT: **25 - 07 - 2020** and opened at 3.30 PM on the same day. In case holiday is declared on the opening day, the tenders will be opened on the next working day.

Note: Tender Documents can be downloaded from website  
<http://www.ap.bsnl.co.in/tenderproject/tenderhpage2.asp>

**Sub Divisional Engineer (E)**

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Lr. No: A-9 /BESDH-I/2017-18/158

Dated: 16 - 07 - 2020

- 1)) The Executive Engineer (E), BSNL, Electrical Division No.II, Hyderabad.
- 2) SDE (E) Electrical Sub DivisionIII, II & V
- 3) All Eligible Contractors.
- 4) SR SS/SDE (EP)/AO/Cashier/Auditor/Notice Board.

Sub Divisional Engineer (E)  
BSNL Electrical Sub Division-I  
Hyderabad

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**DO NIT No: 26/BEDH-II / 2020-21**

**Dated: 16 - 07 - 2020**

SDE (E-P)  
BEDH-II

**IMPORTANT NOTE FOR THE CONTRACTOR/ FIRM WHO  
DOWNLOAD THE TENDER FROM WEB SITE**

The contractor/ firm who are down loading the tender form are instructed to go through the following points:-

1. The contractor/firm has to submit an undertaking (duly signed, in the format enclosed with the NIT) that he shall abide by the original standard forms PWD-6 and 8. BSNL forms which can be seen in any nearest Electrical units of BSNL.
2. The contractor/firm shall submit the following in FIRST ENVELOPE: -
  - (A) Application on the firm's printed letter-head
  - (B) Necessary documents for credentials for meeting the eligibility conditions.
  - (C) Non-refundable cost of tender documents (in the shape of demand draft).
  - (D) Earnest money (in the proscribed form and of prescribed amount).  
(In case of demand draft, separate demand draft for Cost of tender documents and EMD are to be submitted)
3. After verification of the documents in FIRST ENVELOPE (i.e. credentials, cost of tender documents and earnest money, etc) and on finding them in order, the SECOND ENVELOPE containing the tender documents shall be opened as per instructions contained under NIT.
4. It shall be the responsibility of the firm to clearly list the documents attached to establish their eligibility credentials in the application (on their printed letter head).
5. The credential of tenderer fulfilling eligibility criteria as mentioned above should be enclosed.
6. EMD of non-eligible firms shall be returned in original at the time of opening of tender.
7. The tenderer has to submit the downloaded original computer print out of the documents from the web site. The photocopy shall be not accepted.
8. If during the opening of tender and process of tender finalization, it is detected that the tenderer has submitted tender documents after making any charges/additions/deletions in the tender documents down loaded from the web site, the offer shall be summarily rejected and the EMD deposited by the tenderer shall be forfeited in addition to any action as per the prevalent rules.

Sub Divisional Engineer (E)

**PROFORMA - A**

From: Name:  
Address :

Place:  
Date:

To,  
The Sub Divisional Engineer (E)  
B.S.N.L. Electrical Sub Division -I,  
Hyderabad - 500063

Sub: Request for issue of Tender Documents for the work of " \_\_\_\_\_

Ref: NIT Dated \_\_\_\_\_ Published in \_\_\_\_\_ on \_\_\_\_\_

Sir,

I / We request that I/We may please be issued with the tender documents for the above work, My/Our registration and other details are as follows:

- 1 Particulars of Registration  
(Copy of Regd. Certificate and insolvency in case of PWD registration enclosed) :
- a) Class of registration :
- b) Monetary limit for tendering :
- c) Authority by whom the registration issued :
- d) Validity of registration :
- 2 Full name of the firm / Contractor :
- 3 Telephone number :
- 4 Mobile Number :
- 5 e-mail id :
- 6 Is the firm proprietary/ Partnership :
- 7 Income tax account No. :
- 8 Work experience (copies of work experience certificate enclosed) List of at least 3 works executed during the last 3 years with their values.  
i) :  
ii) :  
iii) :
- 9 Certificate regarding near relative in prescribed proforma has been signed by me (overleaf) :
- 10 Mode of remittance of tender form cost  
a) Amount

Mode: Cash / DD

**Important:** The originals of the above records shall be produced for verification at the time of issue of tender documents.

Encl:

Yours faithfully

**Proforma -B**

Certificate regarding near relatives (not employed in BSNL) to be given by prospective the tenderers.

**CERTIFICATE**

I / We \_\_\_\_\_ S/o \_\_\_\_\_ resident of \_\_\_\_\_ hereby certify that none of my near relative's\* is / are employed in BSNL unit\*\*. In case of any stage it is found that the information given by me is false / incorrect BSNL shall have been absolute right to take any action including termination of contract, as deemed fit / without any prior intimation.

**\*Near Relative(s)** for this purpose is / 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) and sons'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).

**BSNL Unit \*\*** is defined as SSA / Circle / Chief Engineer (Civil)/ (Elect.) / Chief Archt. / Corporate office for non executives employees and all SSA in a circle including Circle office / Chief Eng. (Civil) / (Elect.) / Chief Archt. / Corporate office for executive employees (including those called as Gazetted officers at present).

- Note:**
- 1. The 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 BSNL units\*\*.
  - 2. Company or firm is not permitted to tender for work in BSNL unit \*\* in which his near relative(s)\* is / are working.
  - 3. "Government of India Financial Institutions nominees and independent non official part time Directors appointed by Govt. of India or the Governor of the state including full time Directors of PSUs both state and central are excluded from the purview of submission of certificate in regard of employment of near relatives working in the BSNL while submitting tenders by limited companies."

**Condition No. 21** – Recovery of 1% cess on the gross bill amount (R.A. and / or Final) shall be effected under the provisions of Building and other construction Workers Welfare Act 1996.

Signatures of Contractor

**Name** .....

**PostalAddress** .....

.....

**Telephone & Mobile No**.....

**Proforma-C**

Certified that I / we ..... S/o

..... resident of

.....

have downloaded the entire tender document including the NIT, Proforma A,B, Schedules, additional specification, condition, special condition, annexures, proformas, Schedule of quantities etc. and all other contents in the tender documents intact as it was displayed on the web-site [www.ap.bsnl.co.in](http://www.ap.bsnl.co.in) on ..... (date) at ..... (time) and no tempering/ change viz any modification/ addition/ correction / deletion etc. has been made anywhere. The tender document submitted by me/ us are same / identical as available on the web-site. If it is found at any stage that I/We have resorted to any tempering / change as mentioned above in the downloaded tender document which may or may not lead to change in any of the specification, condition, clauses, nomenclatures, quantities or meaning of any of the relevant sentences, BSNL shall have absolute right to terminate the contract and start criminal proceedings. BSNL shall have full rights to indemnify themselves against any losses occasioned due to such tempering of the document as mentioned above. I understood that PWD 6, PWD 7/8 will be part of the Agreement. I have gone through fully the clauses of PWD 6, PWD 7/8 and will abide by that.

**Name** .....

**Postal Address** .....

.....

**Telephone & Mobile No**.....

**SPECIFICATION FOR THE WORK OF PROVIDING EI & FANS**

1. The work shall be carried out as per current 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 technical staff.
3. Layout of the work will be given by the Engineer in charge or his duty authorized representative at the site of work.
4. Following categories of wiring shall be done on separate conduits.
  - a) Power plug
  - b) Light and fan wiring
  - c) Emergency light point wiring
  - d) Telephone wiring e) AC unit wiring.
5. The No. of power plug points and emergency light point (fed from DC supply) shall not exceed 2 per circuit.
6. Earthing sets work shall be carried out in the presence of the Engineer-in-charge or his authorized representative.
7. Samples of all the materials, fittings accessories switch gears etc., shall be approved from the Engineer-in-charge before using the same on the work. Rejected material shall be removed immediately from the site of work.
8. The contractor will have to carry out the following test at his cost and intimate test results before final bills are paid. Nothing extra will be paid to him on this account.
  - 1) Earth test
  - 2) Polarity test
  - 3) Insulation test
  - 4) Earth continuity test of the surface recessed conduit pipes.
9. Any damages done to the building by the contractor during the executing of the work shall have to be made good at his cost and risk. If it is not done within a reasonable time determined by the Sub Divisional Engineer (E) then the same will be got done at his cost departmentally after giving notice to him.
10. The outlet boxes, IC boxes for switch gears and ends of conduit etc., for different categories of conduit runs catering for different types of electrical wiring as mentioned in clause above shall be painted inside/outside with different colours satisfying different categories mentioned so as to avoid mixing of various circuits and their wiring and nothing extra will be paid for this.
11. At the time of laying conduit pipes in the slab and in recess the contractor will keep wire of 15 SWG GI throughout the conduit pipe and will have to take special care so that the conduit does not pass through air conditioning ducts, grills columns, beams etc. If any such necessity is foreseen special written permission of Sub Divisional Engineer (Electrical) should be obtained before such work is carried out. In case of failure the contractor will not be paid on this account. The contractor should recess the conduit in the walls before they are plastered and co-ordination with the progress of building work. Any damages thus done will have to be made good at the cost of the contractor. The conduit pipes should be mechanically and electrically continuous.
12. The bakelite covers for the switches; plug sockets etc., shall not be removed or broken for taking connections which shall be done at their back by prdg. Suitable wooden reaper in the IC boxes where found necessary. Alla wooden boxes for switches, plug and regulator etc., shall be provided with 1/8" 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 cross of columns is not necessary. This has to be decided before casting of slab so that unnecessary length of conduit is not laid there in.

14. All the IC distribution sub-main board and corresponding switch near shall be sign-written clearly indicating the No. of distribution boards, type of load it is serving and the number of circuits contained in the distribution box. Details of the routes led from a particular distribution box shall be placed in tabular form on the reverse of the cover of the distribution box.
15. Under ground cables both of 11KV and 1.1 KV grade should be subjected to pressure of insulation tests before and after laying the same in the ducts. In case of unsatisfactory tests, the cost of all repairs and replacement and all extra works of removal and relaying will have to be made good by the contractor at his own risk.
16. While making the end connections of wires, no strand shall be cut and the termination of wires shall be done with necessary lugs and ferrules without any extra payment.
17. The bus-bars of the single phase distribution box shall be of solid aluminium strip instead of sheet metal.
18. Lugs should be provided while terminating 8 SWG GI wire for earth continuity without any extra payment.
19. The termination of conduit etc., in the junction box to be provided above DBs should be done by making proper holes knockouts instead of cutting the box.
20. The contractors will have to make arrangements to take the materials to site of work at his own cost and risk. Octroi if paid by the contractor for the materials supplied by the Department can be claimed by him against the original vouchers.
21. If any conduits were laid before award of this work the recovery for the same will be made from the contractor at rates specified in the SR 94 (internal) plus abatement of tender.
22. The contractor shall submit the completion plan as required vide general specifications for electrical works. Part-I (internal) & part – II (external) as applicable within 30 days of the completion of the work. In case of contractor fails to submit the completion plan as aforesaid he shall be liable to pay sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs. 2500/- as may be fixed by the Higher authority

Sub Divisional Engineer (E)  
BSNL Electrical Sub-Division – I  
HYDERABAD



**LIST OF APPROVED MAKES- BSNL ELECTRICAL WING**

S. No.	Item	Makes
1	Engine	Ashok Leyland /Cummins/ Cater pillar / KOEL/ Volvo Penta / Mahindra & Mahindra (up to 40 KVA) /Escorts (up to 30 KVA)/ Eicher (up to 20 KVA)
2	Alternator(Brushless)	Crompton Greaves (AL. series) / KEC / Leroy Somer / Stamford/Jyoti Ltd
3	Battery (Lead Acid / Mntc. Free)	Amara Raja / AMCO / Farukawa / Hitachi / Exide/ Prestolite / Standard
4	HV Switchgear (Vacuum Circuit Breaker/SF6 )	Biecco Lawrie / Crompton / Kirloskar / MEI / Jyoti Ltd
5	Transformer (Oil filled / Dry type)	ABB / Schneider Electric /Andrew Yule / Bharat Bijlee / Crompton / EMCO / Kirloskar / Siemens
	a) Above 400 KVA	
	b) Up to 400 KVA	In addition to above makes, Uttam/Automatic Electric Gear(AEG)/Patson/Rajasthan Transformer and Switchgear
6	Air Circuit Breaker	L&T/ Schneider Electric / Siemens
7	MCCB(Ics=Icu)	L&T/ Schneider Electric / Siemens
8	SDF units	L&T/ Schneider Electric / Siemens/ HPL/Havells
9	Power Contactors	L&T/ Schneider Electric / Siemens/ Lakshmi(LECS)
10	Change Over Switch	HPL / Havells / H-H Elcon
11	Intelligent APFC Relay	L&T/EPCOS(Siemens)/ Schneider Electric / Neptune Ducati/Syntron/ABB
12	Bus Bar Trunking/ Sandwiched Bus Duct	Moeller/L&T/Schneider Electric/ABB/Legrand/Zeta
13	Power Capacitors (MPP/APP)	L&T/EPCOS(Siemens)/ABB/Crompton/ Schneider Electric/Neptune Ducati
14	Digital/ KWHr meter	Schneider Electric/ AE/ Digitron / IMP/ Meco / Rishabh / Universal/HPL/L&T/ABB
15	Cold shrink HT/LT Cable Joint	Denson / 3M(M-Seal )/ Raychem
16	Rubber Matting	ISI mark
17	MCB/ Isolator /ELCB/RCCB/ Distribution Board	Crompton / Havells / Indokopp / MDS Legrand/ L&T / Schneider Electric/ Siemens / Standard/ C&S/ABB/HPL
18	MS/ PVC Conduit	ISI mark
19	Cable Tray	MEM/Bharti/Ratan/Slotco/Profab
20	HT/LT Cables	ISI mark
21	PVC insulated copper conductor wire	ISI mark
22	Centrifugal Pump	Amrut / BE / Beacon / Batliboi / Crompton / Jyoti / Kirloskar / KSB / Mather & platt / WASP/Grundfos

23	Submersible Pump	Crompton/Amrut / BE / Calama / Kirloskar / KSB
24	Motors	ABB/ Bharat Bijlee / Crompton Greaves / Schneider Electric / HBB / KEC / Siemens/Jyoti Ltd
25	Fresh Air Fans	GE / Khaitan/Almonard/Crompton
26	Starter	ABB / BCH / Schneider Electric / L&T / Siemens /
27	Single Phase Preventer	L&T / Minilec / Siemens / Zerotrip
28	GI/MS Pipe	ATC / ATL / BST / GSI / ITC / ITS / IIA / JST / Jindal /TTA / Tata/Zenith
29	Foot Valve	ISI mark
30	Gate Valve	Advance/Audco/Johnson Controls/Zoloto/Annapurna / Fountain / Kirloskar / Leader / Sant / Trishul
31	Compressors	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 / Kirloskar/ 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
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

**NOTE:**

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

**CONTRACTOR**

**SUB DIVISIONAL ENGINEER (E)**

**Name of the Work: Providing repairs to various capacity AVRs at Karwan, Tolichowki & Mehdipatnam, Hyderabad-recall**

SIno	DESCRIPTION OF ITEM	UNIT	RATE	UNIT	Amount
<b>AVR at Tolichowki</b>					
1	S/F of New control PCB with inter connection and testing etc as required in R-ph	2	No	Each	
2	S/F of RC Network & Micro switch	1	Set	set	
3	Replacement of 40A Carbon brush and motor gear wheel in place of wear & tear	1	Set	set	
4	General servicing to entire unit including Replacement of Indication lamps, control fuses and cleaning by using air blower, tightening loose contacts ,testing of output voltages and load test etc as required	1	Job	Job	
<b>AVR at Mehdipatnam</b>					
1	S/F of New control PCB with inter connection and testing etc as required in R & B ph	2	Nos	Each	
2	S/F of RC Network & Micro switch	2	sets	set	
3	General servicing to entire unit including Replacement of Indication lamps, control fuses and cleaning by using air blower, tightening loose contacts ,testing of output voltages and load test etc as required	1	Job	Job	
<b>AVR at Karwan</b>					
1	S/F of New control PCB with inter connection and testing etc as required in R & B ph	2	Nos	Each	
2	S/F of RC Network & Micro switch	3	Nos	set	
3	S/F of carbon Brushes	3	Nos	Each	
4	General servicing to entire unit including Replacement of Indication lamps, control fuses and cleaning by using air blower, tightening loose contacts ,testing of output voltages and load test etc as required	1	Job	Job	
				Total	
				Add GST @ 18%	_____
				Total including GST	_____