

**NIT NOTIFICATION**

The Executive Engineer (Elect.), BSNL Electrical Division, Cuttack invites on behalf of the Bharat Sanchar Nigam Limited sealed item rate tenders for the following works from the contractors satisfying the under mentioned eligibility conditions: -

Sl. No.	Name of work	Estimated cost i/c GST(Rs.)	E.M.D. (Rs.)	Time allowed	NIT No.
1	Supply, Installation, Testing and Commissioning of Free cooling units (exhaust Fans with Filters) for 10 nos of Room type BTS/Exch. sites under Cuttack SSA.( SITE - UNDER JAGAT SINGHPUR DISTRICT)	169389.00	3388.00	15 days	170/BSNL/ED/CTC/2018-19

Tender paper cost (Non refundable) Rs.	590.00	
Last Date of receipt of application:-	01.10.2018	(upto 4.00PM)
Last Date of tender paper sale:-	01.10.2018	(upto 5.30PM)
Last Date of tender paper receipt:-	03.10.2018	(upto 3.00PM)
Date of opening:-	03.10.2018	(at 3.30 PM).

**Eligibility Criteria :-**

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

**AND**

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

**NOTE -**

- Valid GST Registration Certificate issued by statutory authority.
- The company or firm or any other person is not permitted to tender for work in BSNL unit in which his/her near relative(s) is(are) posted .
- All other terms & conditions as per BSNL EW-6 and BSNL EW-8 form.
- The tenderer shall submit the tender in 2 sealed covers marked as cover 1st and 2nd inscribing the name of work. Both should be separate & they should not be enclosed in common third cover. The first cover should contain the earnest money deposited in the shape of demand draft/pay order of a schedule bank/nationalized bank/state bank guaranteed by reserve bank of India drawn in favour of Accounts Officer(Cash), O/o GMTD, BSNL, Cuttack. In case submitting tender down loading from web site, the 1st cover should contain DD towards cost of tender document and EMD drawn in favour of AO (cash), BSNL, O/o GMTD, Cuttack along with attested copies of eligible criteria with mandatory documents. The second cover contains the tender documents. If the 1st cover is not annexed in proper form, the second cover containing tender documents will not be opened at all.
- If the date of opening is declared as holiday, then the tender shall be opened on next working day.
- If the performance of the contractor is not satisfactory his tender shall not be opened. EE(E)'s decision shall be final and binding.

**LIST OF MANDATORY SELF ATTESTED DOCUMENTS TO BE SUBMITTED WITH THE TENDER(1st COVER)**

(1) Demand Draft/Pay Order/Banker's Cheque /FDR/TDR/BG of any Nationalized/ scheduled bank in favour of "Accounts Officer (Cash), BSNL, O/o the GMTD, Cuttack" towards EMD
(2) DD/Pay Order/Bankers Cheque of a Nationalized / Scheduled Bank in favour of "Accounts Officer (Cash), BSNL, O/o the GMTD, Cuttack"
(3) Documentary proof of satisfying eligibility conditions as per 1.1 to 1.2 above.
(4) Turn Over Certificate from Chartered Accountant for last 03 years.
(5) PAN card issued by Income Tax Department, Govt of India.
(6) Valid GST Registration Certificate issued by statutory authority
(7) Employees Provident Fund (EPF) & ESI Registrations Certificate.

Executive Engineer(E), BSNL Electrical Division, Cuttack

No:- 10(17)/TED/BSNL/CTK/581

Dt. 18/09/2018

Copy to-

- The C.E(E), BSNL Electrical Odisha Zone, Bhubaneswar
- 3) The Executive Engineer(E) BSNL Electrical Division, Bhubaneswar/Sambalpur
- 15). The Sub-Divisional Engineer(E) BSNL.E.S.D.,BBSR-I/II//Berhampur/SBP-I/II/RKL/ KPT/ DKL/BLS/BGR/CK/DKL.
- 16) The Vigilance Officer, O/O the CGMT, Orissa Circle, Bhubaneswar.
- 17) The Accounts Officer(Cash), O/o GMTD, BSNL, Cuttack
- 18) The Accounts Officer, BSNL Electrical Division, Cuttack
- 19-20) Notice Board/website.
- 21) Contractors' association.

Executive Engineer(E), BSNL Electrical Division, Cuttack

**BHARAT SANCHAR NIGAM LIMITED**

(A Government Of India Enterprise)

Item rate tenders are invited on behalf of the BSNL from eligible contractors for the work of :-

**Supply, Installation, Testing and Commissioning of Free cooling units (exhaust Fans with Filters) for 10 nos of Room type BTS/Exch. sites under Cuttack SSA.( SITE - UNDER JAGATSIINGHPUR DISTRICT)**

The work is estimated to cost Rs.

**169389.00**

This estimate however is given merely as a rough guide.

- 1) Tender will be issued to

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

AND

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

completed work of magnitude as specified in press notification at page No. 4.

- 2) Agreement shall be drawn with the successful tenderer on prescribed form no. 8 which is available as a Govt. of India publication, tender 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

**15 days**

- 4) The availability of individual site will be specified in the letter of intent.

- 5) Receipt of applications for issue of forms will be stopped by 1600 Hrs. two days before the date fixed for opening of tenders. Issue of tender forms will be stopped three days before the date fixed for opening of tenders. Tender documents consists 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 whose tender may be accepted and other necessary document can be seen in the office of the Executive Engineer (E), BSNL ELECTRICAL DIVISION, Cuttack between 11.00 AM & 04.00 PM every day except on Sunday and public Holiday. Tender documents, excluding standard form, will be issued from his office, during the hours specified above on payment of **Rs. 590.00** only in cash.

- 6) The tender must produce an Chattered Accountant certificate in the revised form as modified under Ministry of Finance O.M. No. 67/30/69/ITAL dated 02.07.1970 as amended from time to time before tender papers can be sold to him.

- 7) Tenders, which should always be in sealed envelope, with the name of work and due date written on the envelope, will be received by the Executive Engineer(E), BSNL Electrical Division, Cuttack up to 03.00 PM on **03.10.2018** and will be opened by him or his authorized representative in his office on the same day at 03.30 PM.

- 8) The tender shall be accompanied by earnest money (unless exempted) of Rs. **3388.00** in the form of DD of a scheduled Bank issued in favour of Accounts Officer(Cash), O/o GMTD, BSNL, Cuttack, the amount being credited to Nationalized Bank / State Bank .

- 9) The description of the work is a follows :-

Name of the work :-

Supply, Installation, Testing and Commissioning of Free cooling units (exhaust Fans with Filters) for 10 nos of Room type BTS/Exch. sites under Cuttack SSA.( SITE - UNDER JAGATSINGHPUR DISTRICT)

Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above mentioned officer. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to 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 require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A 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 department and local conditions and other factors having a bearing on the execution of the work.

- 1 The competent authority on behalf of the BSNL does not bind himself to accept the lowest or any other tender and reserves to himself the authority to reject any or all the tenders received without the assignment of any reason. **All tenderers in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.** The public enterprises that avail benefits of the purchase preference should be subjected to adequate penalties for cost overruns etc.
- 2 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.
- 3 The competent authority on behalf of BSNL reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 4 The contractor shall not be permitted to tender for work in the BSNL (responsible for award and execution of contracts) in which his near relative is posted as divisional accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall 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 gazetted officer in the BSNL or in the Ministry of communication. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
- 5 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 a 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 obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service. The tender for the works shall remain open for acceptance for a period of ninety days from the date of opening of tenders. If any tender withdraws his tender before the said period or makes any notifications in the terms and condition of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the earnest money as aforesaid.
- 6 This 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 15 days from the stipulated date of start of the work sign the contract consisting of :-
  - a) The Notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading there to.
  - b) Standard C.P.W.D. form 8.

Executive Engineer(E), BSNL Electrical Division, Cuttack

**Near relative(s) of BSNL employee not permitted to tender :**

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 Architect / Corporate office for non- executive employees and all SSA in a circle including circle office / Chief Engineer/ Chief Architect/ Corporate office for executive employees (including those called as Gazetted 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 relatives is working in the units as defined above where he is going to apply for tender.In case of proprietorship form certificate will be given by the proprietor , for partnership firm certificate will be given by 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 deposited will be forfeited any stage whenever it is so notices.

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.

**FORMAT OF THE CERTIFICATE TO BE GIVEN BY THE FIRM/ PERSON:**

I \_\_\_\_\_ S/O \_\_\_\_\_ R/O \_\_\_\_\_ here by certify that none of my relative(S) as defined below is/ are employed in BSNL unit as per details given in the tender documents. 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.

- a) Members of Hindu Undivided family,
- b) They are husband and wife,
- c) The one is related to the other in the manner as father, mother, son(s) & son's wife ( daughter- in - law), Daughter(s) & daughter's husband ( son-in law , brother(s) & brother's wife , sister(s) & sister's husband( brother in law).

Signature of the firm / person.

**DECLARATION**

I ..... (full name of Tenderer ) hereby declare that I am fully aware of the terms and conditions of contracts for work presently prevailing in the Civil Wing of BSNL . I also declare that, I have thoroughly gone through the terms and agreements as contained in various clauses clauses and Sub - Clauses of terms P.W.D. - 8 l/c up to date amendments therein . I ..... ( full name of contractor )further declare that while submitting the tender for ..... ( full name of work ).I fully agree to abide by the aforesaid terms and conditions of the contract and shall be bound to enter into the agreement in case my tender is accepted. I undertake to bear all liabilities i.e. duties etc. of constitution of India.arising out of 46th amendments

Date :-

( Full signature of the tenderer )

**Executive Engineer(E), BSNL Electrical Division, Cuttack**

**Declaration by Contractor for EW-6, EW-8 (To be furnished by the firm)**

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.

( Full signature of the tenderer )

**GENERAL SPECIFICATIONS.**

- 1) The work shall be carried out as per current department / CPWD specifications.
- 2) Layout of the work shall be given at site of work by the Engineering - in Charge or his duty authorized representative.
- 3) Samples of the all articles shall be got approved from the Engineer - in Change before they are used.
- 4) The work shall be supervised by the qualified supervisor from the contractor's side.
- 5) Any damage done o the building / equipment of the department shall be made good by the contractor without any extra cost.
- 6) No T & P shall be issued to the contractor by the department.
- 7) Testing shall be done in the pres4nce of the Engineering - in - Change or his duly authorized representative.
- 8) The contract shall stand for guarantee against defective materials of manufacturing defects and workmanship for the work carried out by him for the period of one year from it's commissioning & make good / repair / replace the faults during this period without any extra cost , failing which the same shall got done at the risk and cost of the contactor.
- 9) Security deposited of the contractor shall be released only after satisfactory completion of guarantee period.
- 10) Makes of product shall be as per product directory enclosed or approved by the Engineer - in - Change.
- 11) Without prejudice of any of the rights or remedies under this contract, if the contractor dies, the Engineer in charge on behalf of the BSNL shall have the option of terminating the contract without compensation to the contractor.
- 12) INDULGING OF CONTRACTOR IN CRIMINAL/ANTISOCIAL ACTIVITIES AND CASES UNDER INVESTIGATION / CHARGE SHEETED BY CBI OR ANY OTHER GOVERNMENT AGENCIES ETC. : If the CBI/Independent External Monitor (IEM) / Income Tax /Sales Tax/ Central Excise/ Custom Departments recommend such a course – Action will be taken as per the directions of CBI or concerned department.

**Executive Engineer(E), BSNL Electrical Division, Cuttack**

**"ESSENTIAL CONDITIONS OF CONTRACT "**

The firm shall read carefully the following conditions and shall quote accordingly conforming all the points in their offer. Firm should specifically note that if they do not enclose E.M.D. with their tender , their tender will not be opened at all.

**1 TAXES AND DUTIES :**

BSNL shall deduct income tax and other statutory deductions / cess from payments due to the firm as per rules of the State / Central Government. The Accounts Officer of the concerned Division shall issue certificates for such deductions to the firm. In case of statutory variation in GST within the stipulated date of completion of individual agreement, the same shall be paid or recovered as per the actual against documentary proof for major equipments/ materials. However, beyond this period BSNL will take advantage of any duty reduction but will not pay extra on account of duty increase.

**2 Evaluation of Tenders:-**The evaluation and comparison of responsive tenders shall be done on the basis of Net cost to BSNL, considering GST as Input Tax Credit.

3 Loading , unloading , transportation, insurance etc. shall all be included in their offer.

4 All the materials will be under the charge of the contractor till it is completed and handed over . No materials will be removed from site without written permission of the Engineer - in Charge.

5 Firm shall confirm to carry out the work as per the N.I.T. conditions.

**6 PAYMENTS TERMS :**

No advance payments will be made. Stipulations like levy of interest if any payment is not made in specified time is not acceptable to the department.

**7 Offer should be clear .**

Any ambiguous offer is liable for rejection by the department. **There will be negotiate with the lowest tenderer.** Hence the firms are requested to quote carefully. Department's decision in this regard shall be final and binding on the tenderer . Offer with condition will be summarily rejected.

**8 GST:**

8.1 All taxes and Duties are as per applicable GST. Variation if any will be guided by Statutes pertaining to GST.

8.2 The Firm shall furnish Invoices to BSNL for availing of applicable Input Tax Credit.

8.3 Vendors should furnish the correct HSN/SAC code. If the Input Tax Credit (ITC) under GST is found to be not admissible at any stage subsequently owing to wrong furnishing of data, the vendor will be liable such non-admissible amount, if already paid along with penalty if charged by the concerned authority.

8.4 If the Vendors fail to furnish necessary supporting documents for availing of input tax credit by BSNL, the amount pertaining to such input credit will be deducted from the payment due to the firm.

8.5 Invoices should clearly indicate break up details of composite price i.e. unit price of goods/services/materials and GST etc.

8.6 In case of any statutory variations in regard to GST or any other taxes, within the currency of contract including extension period if any, the same shall be admissible as per prevailing GST laws as applicable subject to the condition that, the reason for such extension of time period is not attributable to the agency

**Executive Engineer(E), BSNL Electrical Division, Cuttack**

## SPECIFICATION

### E.I & FANS :

- 1 The work is to be carried out as per CPWD specifications ( External ) and I.E Rule amended up to date.
- 2 Good workmanship is an essential requirement to be complied with. The entire work of manufacturer, fabrication, assembly and installation shall conform to sound engineering practice.
- 3 Rates quoted shall be inclusive of all taxes, packing , forwarding, insurance , freight, delivery at site watch and ward of all materials.
- 4 All Sundry fittings , accessories , hardware items, foundation bolts, termination lugs for electrical connection as required and all other sundry items which are useful & necessary for proper assembly and efficient working of the various components of the works shall be deemed to have included in the tender.
- 5 Following works shall be carried out by the contractor and therefore their cost shall be deemed to be included in their tendered cost.
  - a) The contractor shall be responsible for repairing all damages and restoring the same to their original finish. He shall also remove at his cost all unwanted and waste materials arising out of his work from his site.
  - b) All chases required in connection with the electrical works shall be provided and filled by the contractor to the original finish.
- c) Temporary shed if required over the storage space and locking arrangement ,watch and ward of the materials shall be provided by firm till completion of the work and final taking over of the installation by the department.
- 6 The contractor shall employ qualified engineer/Supervisor as required and intimate names of such persons to the Engineer- in- Charge on commencement of work. Failure to employ will attract penalty as per agreement.
- 7 If any conduit is laid before award of work recovery for the same will be made from contractor at the rate of S.R. - 16 + Abatement of respective S/H of this tender.
- 8 All non- metallic conduit pipes and accessories shall be of I.S.I marked , conduit accessories shall be of grip type / threaded type.
- 9 PVC conduit to be used shall be ISI marked heavy gauge and fire retardant quality.
- 10 The switch box shall be made of mild steel of size 16 / 18 SWG as per CPWD specification except the front side. The clear depth of M>S> switch shall not be less than 60 mm. Phenolic laminated sheet cover of 3 mm thick shall be provided in the front side of box.
- 11 Earthing shall be carried out in presence of representative of the department.
- 12 Numbering and sign writing of entire installation shall be carried out by the contractor as per instructions of the Engineering - in- Charge for which nothing extra shall be paid.
- 13 On completion of installation following tests shall be carried out:-
  - a) Insulation resistance test.
  - b) Polarity test.
  - c) Earth continuity test.
  - d) Earth electrode resistance test.
- 14 On completion of electrical installation a certificate shall be furnished by the contractor in prescribed proforma, this certificate shall be in addition to the certificate required by local electric supply company.
- 15 Breaking capacity of MCBs should be 10 KA.

Executive Engineer(E), BSNL Electrical Division, Cuttack

**SCHEDULE OF WORK**

Sl. No	Description of item	Quantity	Unit	Unit Price excluding GST (Rs.)	GST=(CGST+ SGST) /IGST		Total Unit Price including GST (Rs.)	Total Amount including GST (Rs.)	Total Amount excluding GST (Rs.)
					%	Amount			
col. 1	col.2	col.3	col.4	col.5		col.6	col.7 = col. (5+6)	col.8 = col.3Xcol.7	col.9 = col.3Xcol.5
1	Supply of following size Exhaust Fan with a capacitor start and run type, continuously rated, totally enclosed and ruggedly built motor having prelubricated double ball bearing with Class "A" and "E" insulation suitable for operation on 230 volts single phase 50 HZ AC supply with features for smooth & silent operation to deliver the maximum output at lower operating cost. The impeller of the Exhaust Fan is to be propeller type and both hub and impeller are to be dynamically balances and frames and arms mounted on rubber bushing so that, vibration are virtually eliminated. (Make- Almonard HD (ISI)/Cromton Greaves HD(ISI))								
	a) 380mm /15" heavy duty 1400 RPM, maximum free air delivering capacity not less than 3250 m <sup>3</sup> / hour (1910 CFM) and maximum sound level not more than 60-65 db.	10	nos	Each					
2	Installation of exhaust fan up to 450mm sweep in the existing opening with fastener/ GI nuts and bolts , including making good the damage, connection, testing, commissioning etc. as required	10	nos	Each					
3	Supplying and installation of gravity type Aluminum/ GI louver shutters suitable for 380mm sweep exhaust fans with fastener /GI nuts and bolts etc. complete as required.	10	nos	Each					
4	Making opening on brick wall of suitable size for fixing of 380mm sweep Exhaust Fans including making good the damages, minor civil works etc. complete as required. (For room BTS sites)	10	jobs	Job					
5	Supply of 450mm X450mmX50mm size panel type Inlet Air Filter having washable Synthetic Fiber filtration medium, GI/Aluminium frame with aluminium /spray iron protect mesh capable for air filtration 35 microns (maximum size ) and maximum air handling capacity of 2000 CFM, including fixing the same in existing GI /MS frame structure etc. complete as required.	10	nos	Each					

6	Supply of inlet Air filter housing cum louver unit of following overal size , made of 18 SWG GI sheet with collars of about 50mm width in all front sides , suitable size drill holes for fixing the same on wall, detachable 18 SWG thick, 10mm width GI supporting strip of length 560 mm with drill holes at both ends in front facia for holding the air filter in position, louver blades of 100mm width of required quantities shall be welded horizontally at back side of the filter housing frame with half of the portions remain outside the frame at an angle of about 30 deg downwards to prevent entering of rain water into the room/shelter , a GI /stainless steel protective wiremesh type (25mmX25mm - 2.64mmX2.64mm ) ( Wire diameter 14 SWG-2.64mm, distance from centre to centre of wire - 25mm for both main and cross) to be welded inside the GI sheet housing frame, painting the welded spots by aluminium oxide paint etc. as per the direction of Engineer in charge, including fixing the same in existing opening with Fastener /GI nuts and bolts etc. complete as required.								
	a) Overal Size 460mm (Width) X 450 mm (Height) X 300 mm (Depth) - For Room BTS sites	10	nos	Each					
7	Making of air inlet opening on brick wall of approximate size 450mmX460mm, suitable for fixing the filter housing cum louver unit including making good the damages, minor civil works etc. as required.	10	jobs	Job					
8	Supply and fixing of 2 Amps, C- Series, 240 volts, 50 Hz, 10 KA SP MCB in existing MCBDB for exhaust fan protection i/c connection, testing etc. as required.	10	nos	Each					
9	Supply of 3core 1.5sqmm PVC insulated and PVC sheathed copper conductor un-armoured cable i/c laying of the same on surface of wall/shelter with PVC C- clamps or on existing cable tray etc. complete as required.	50	mtrs	Mtr					
10	Transportation of all the required materials, tools and tackles, ladders etc. to resepective sites i/c loading and unloading etc. complete as required.	10	jobs	Job					
		<b>TOTAL AMOUNT:</b>							

NOTE: THE BIDDERS/TENDERERS SHOULD ENSURE THAT THEY ARE GST COMPLIANT AND THEIR QUOTED TAX STRUCTURE / RATES ARE AS PER GST LAW. BSNL WILL AVAIL OF INPUT TAX CREDIT.

Executive Engineer(E), BSNL Electrical Division, Cuttack



**LIST OF APPROVED MAKES FOR E.I. & FAN, PUMP SET, COMPOUND LIGHT**

Sl. No.	Item	Name of Manufacturer
1	ACB	L & T / Siemence /Control & Switchgear / Schneider/ GE Power Control
2	MCCB	L & T / Siemence / Control & Switchgear / Schneider/ GE Power Controls.
3	TPN Switches & HRC fuses	Siemence / L & T / Havels/ HH Elcon/ Schneider/ Standard (Upto 400A)/ GE Power controls
4	C.T.	AE / IMP / Marshal / Pactil / Kappa / L &T/ Ashmor / Indcoil / Waco / Mecro
5	Ammeter / Voltmeter	AE / IMP / Universal/ Reshabh /Kaycee / Mecro / Enercon.
6	Selector Switch	L&T / KEYCEE/ AE/ IMP/ THAKOOR/ Reco/ Vaishno/ Salzor/ Rass Control
7	INDICATING LAMP	Vaishno/ Siemens/ L&T / AE/ IMP/ Rass Control / Teknic / Schneider / Kaycee.
8	LED based avaiation lamp	M/S. G.S. Enterprises/ M/S. Insta Power/ Shrigauri
9	CAPACITOR (APP Type)	Khatau Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.
10	Cable ISI Mark	
	(a) upto 1.1 KV grade.	ISI Marked
	(b) Above 1.1 KV grade.	ISI Marked
11	PVC insul. Cu cond wire	<b>Havell, Anchor, L &amp;T, Phinolex, Polycab</b>
12	Fire Extinguisher	ISI Marked
13	Rubber Matting	ISI Marked
14	Cable joint Kit	Raychem / M- Seal / DENSONS
15	Single phasing preventor	L & T / Siemens / Minilac / Zerotrip
16	Timer	L & T / Siemens / Minilac / Telemecanique / AE.
17	MCBs / Isolators & Distribution Board.	Benetex / Clariton/ Havells / Seimens / Standard/ Shneider / Indokoop / MDS
18	Change Over Switch	Standard / Havells/ Control and Switch Gear / H-H Elecon.
19	Piano Switch	ISI Marked
20	Mono Block pump set	Beacon / Battliboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.
21	Starter	L & T / Siemens / BCH /ABB /MEI /GE Power Control.
22	G.I / M.S Pipe	BST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA
23	Foot valve	ISI Marked
24	Gate Valve	Sant / Leader / Tishul/ Fountain / Annapurna.
25	M.S. Conduit	<b>Siddharth, Nice</b>
26	PVC conduit	<b>ISI Marked</b>
27	Submersible pump	KSB / Calama / Amrut / Kirloskar / PEC / BE.
28	ELCB	Standard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.
29	RCCB	Indo Asian
30	Contractors	Siemens / L & T / GE Power controls / Shneider / MEI / Laxmi.

Executive Engineer(E), BSNL Electrical Division, Cuttack

**PROFORMA OF SCHEDULES**

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

**SCHEDULE 'A'**

Schedule of quantities :Enclosed.

**SCHEDULE 'B'**

Schedule of materials to be issued to the contractor.

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

**SCHEDULE 'C'**

Tools and plants to be hired to the contractor

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

**SCHEDULE 'D'**

Extra schedule for specific requirement/documents for the work if any.

A. General conditions & specifications :Enclosed

B. List of approved makes :Enclosed

C. Correction slips :Enclosed

**SCHEDULE 'F'**

Reference to General Conditions of contract.

Name of work:

Supply, Installation, Testing and Commissioning of Free cooling units (exhaust Fans with Filters) for 10 nos of Room type BTS/Exch. sites under Cuttack SSA.( SITE - UNDER JAGATSINGHPUR DISTRICT)

Estimated cost of work:

169389.00

Earnest money:

3388

Security Deposit:

5 % of the tendered value of the work.

Performance guarantee

5% of the tendered value of the work. The same to be submitted to EE(E) within 15 days after receipt of award letter

**GENERAL RULES and DIRECTIONS:**

Officer inviting tender:

Executive Engineer(E), BSNL Electrical Division, Cuttack

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with clauses 12.2 and 12.3.

25%

**Definitions:**

2(v) Engineer-in-Charge

Executive Engineer(E), BSNL Electrical Division, Cuttack

2(viii) Accepting Authority

Executive Engineer(E), BSNL Electrical Division, Cuttack

2(x) Percentage on cost of materials and labour to cover all overheads and profits.

10%

2(xi) Standard Schedule of Rates

DSR-E&M-2016

2(xii) Department

BSNL

9(ii) Standard CPWD contract Form

CPWD Form 8 as modified & corrected upto date

**Clause 2**

Authority for fixing compensation under Clause 2.

Superintending Engineer (E), BSNL Electrical Circle, Bhubaneswar.

**Clause 5**

Time allowed for execution of work. Authority to give fair and reasonable extension of time for completion of work.

15 days

**Clause 7**

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

As Applicable.

**Clause 11**

Specifications to be followed for execution of work

CPWD internal and external specification up to date

**Clause 12**

**12.1.2 (iii)** Schedule of rates for determining rates for additional, altered or, substituted items that cannot be determined under 12.1.2 (i)and(ii)

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**12.1.2 (iii)** ± the % over the rate entered in the schedule of rates.

NA

**12.1.2 (vi) A.** Deviation Limit beyond which sub-clauses (i) to (v) shall not apply and clauses 12.2 and 12.3 shall apply

**25%**

**12.1.2 (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 and 12,3 shall apply.

NA

**Clause 16**

Competent Authority for deciding reduced rates.

Superintending Engineer (E), BSNL Electrical Circle, Bhubaneswar.

**Clause 36 (i)**

Minimum Qualifications and experience required for Principal Technical Representative.

a) For works with estimated cost put to tender more than

- i) Rs. 10 lakhs for Civil work
- ii) Rs. 5 Lakhs for Elect/ Mech.Works

Graduate or retired AE possessing at least recognised diploma

b) For works with estimated cost put to tender more than

- i) Rs. 5 lakhs but less than Rs. 10 lakhs for Civil works
- ii) Rs. 1 lakh but less than Rs.5 Lakhs for Elect/ Mech. Works

Recognised diploma holder

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

:Electrical/ Mechanical

d) Minimum experience of works

: Three (3) years.

e) Recovery to be effected from the contractor in the event of not fulfilling provision of clause 36(1)

:Rs.4,000/- p.m. for Graduate Rs 2,000/- p.m for Diploma holder

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