

**NIT NOTIFICATION**

The Sub-Divisional Engineer (Elect.), BSNL Electrical Sub-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.(Rs.)	E.M.D. (Rs).	Time	NIT No.
1	Shifting & reinstallation of 1.5TR SAC/WAC unit at different TE/BTS under Cuttack SSA(Site: TE/BTS BK Pur,Kuakhia,Korua,Ostara & Paraeep)	43720.00	874	07days	116/TED/BSNL/C TK/20-21

<b>Tender paper cost(Non refundable) Rs</b>	<b>177.00</b>	
<b>Last Date of receipt of application:-</b>	<b>14.12.2020</b>	<b>(upto 4.00PM)</b>
<b>Last Date of tender paper sale:-</b>	<b>15.12.2020</b>	<b>(upto 5.30PM)</b>
<b>Last Date of tender paper receipt:-</b>	<b>16.12.2020</b>	<b>(upto 3.00PM)</b>
<b>Date of opening:-</b>	<b>16.12.2020</b>	<b>(at 3.30 PM).</b>

**Eligibility Criteria :-**

- The Contractors satisfying the following conditions:  
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  
The manufacturer/authorized dealer /OEM of any of the makes of major equipment included in the NIT. The letter of authorization from manufacturer in original/ photocopy attested by BSNL Executive will be submitted.  
OR  
Experience of having successfully completed similar works in Central Government /State Government /Central Autonomous Body/Central Public Sector Undertaking during last 7 years ending last day of the month previous to the one in which applications are invited should be either of the following :-  
Three similar successfully completed works costing not less than the amount equal to 40% of the estimated cost put to  
OR  
Two similar successfully completed works costing not less than the amount equal to 60% of the estimated cost put to  
OR  
One similar successfully completed work costing not less than the amount equal to 80% of the estimated cost put to  
OR  
BSNL enlisted contractors in Electrical category of respective class as per their tendering limits.
- NOTE - LIST OF MANDATORY DOCUMENTS TO BE SUBMITTED IN THE TENDERT .  
1. Turn Over Certificate from Chartered Accountant for last 03 years.  
2. The mandatory requirement accompanied by above criteria is EPF/ESI registration of the Firm. Without up to date valid EPF & ESI registration, (if applicable).  
3. The firm shall have to possess a valid electrical license or appropriate voltage issued by any State Govt.  
4. Testimonials of satisfactory completion of works should be obtained from an officer not below the rank of Executive Engineer.  
5. Valid GST Registration Certificate issued by statutory authority..
- All other terms & conditions as per BSNL ED-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/nationalised bank/state bank guaranteed by reserve bank of India drawn in favour of **AO(Cash), BSNL, office of GMTD , 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 office of GMTD, Cuttack** along with attested copy of eligible criteria. The second cover contains the tender documents. If the 1st cover is not annexed in proper form, the second form containing tender will not be opened at all.  
Note :- 1) 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 .
- If the date of opening is declared as holiday, then the tender shall be opened on next working day.

- 8 If the performance of the contractor is not satisfactory his tender shall not be opened. EE(E)'s decision shall be final and binding.

**Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Cuttack.**

**No:-14/BSNL/ESD/CTC/147**

**Dt.05.12.2020**

- 1) Sr. CE(E), BSNL Electrical Zone, Bhubaneswar
- 2) The Executive Engineer(E) BSNL Electrical Division,Cuttack.
- 3-13). The Sub-Divisional Engineer(E) BSNL.E.S.D.,Bhubaneswar-I/II/  
Dhenkanal/Balasore/Berhampur/Sambalpur-I/II/Rourkela./Koraput/Bolangir.
- 14) The Vigilance Officer, O/O the CGMT, Orissa Circle,Bhubaneswar.
- 15) The Accounts Officer,BSNL Electrical Division,Cuttack.
- 16-17) The Notice Board/ Agreement.
- 18) website.(www.orissa.bsnl.co.in)
- 19) Contractors

**Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Cuttack.**

**NOTICE INVITING TENDER**

**CPWD - 6**

**BHARAT SANCHAR NIGAM LIMITED**

( A Govt. of India Enterprise )

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

**Shifting & reinstallation of 1.5TR SAC/WAC unit at different TE/BTS under Cuttack SSA(Site: TE/BTS BK Pur,Kuakhia,Korua,Ostara & Paraeep)**

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

**43720.00**

This estimate however is given merely as a rough guide.

- 1) Tender will be issued to

The manufacturer/authorized dealer /OEM of any of the makes of major equipment included in the NIT. The letter of authorization from manufacturer in original/ photocopy attested by BSNL Executive will be submitted.

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 is

**07days**

- 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 Sub-Divisional Engineer (E),BSNL ELECTRICAL SUB-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. 177.00** only in DD.

- 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 Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Cuttack. up to 03.00 PM on **16.12.2020** 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. **874** in the form of DD of a scheduled Bank issued in favour of Accounts Officer BSNL,ELECTRICAL DIVISION,

Cuttack, the amount being credited to Nationalized Bank / State Bank .

9). The description of the work is as follows :-

Name of the work :-

**Shifting & reinstallation of 1.5TR SAC/WAC unit at different TE/BTS under Cuttack SSA(Site: TE/BTS BK Pur,Kuakhia,Korua,Ostara & Paraeep)**

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. The means of access to the site and 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 service 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.

#### **7 TERMINATION OF CONTRACT ON DEATH OF CONTRACTOR:**

Without prejudice to any of the rights or remedies under this contract, if the contractor dies the Engineer in charge on behalf of BSNL shall have the option of termination of the contract without compensation of the contractor.

#### **8 INDULGING OF CONTRACTOR IN CRIMINAL/ANTISOCIAL ACTIVITIES AND CASES UNDER INVESTIGATION/CHARGE SHEETED BY CBI OR ANY OTHER GOVT AGENCIES ETC.**

If the CBI/independent external Monitor(IEM)/Incom Tax/Sales Tax/Central Excises/Custom Department recommends such a case , Action will be taken as per the direction of CBI or concerned department.

**Sub-Divisional Engineer(E), BSNL Electrical Sub-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 I/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. arising out of 46th amendments of constitution of India.

Date :- ( Full signature of the tenderer )

**Sub-Divisional Engineer(E), BSNL Electrical Sub-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 cost to BSNL, considering GST as Input Tax Credit.

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

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 no 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

**Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Cuttack.**

## **GENERAL SPECIFICATION**

- 1 Agency has to observe all the labour rules and regulations in force and indemnify BSNL against any claims whatsoever, either from this clause or any other clause in the contract.
- 2 Firm shall issue ID card to their workforce whenever they enter premises for bonafied work. Nobody shall be allowed entry without work and nobody will be allowed overnight stay without work. The workers should wear proper uniform with detachable badge indicating the name of person & firm.
- 3 Dismantled materials shall be returned to the BSNL except those items for which the replacement is supplied by the agency.

- 4 While working inside the premises, the agency shall be responsible to provide necessities to them as per labour law. However existing facilities like water, toilet and power for bonafied use shall be provided by BSNL. Any workforce not required for carrying out task shall not be permitted to stay in the premises. Labour payment to be done regularly in time & proof of same will be submitted as and when demanded.
- 5 The contractor has to keep all the electro-mechanical equipment's and site neat and clean to avoid any accident or fire hazards.
- 6 Since the services are of critical nature, the firm will ensure that the persons engaged are well trained to take responsibility under emergency situation.
- 7 In case of Emergency, contractor or his authorized supervisor shall be available at site on short notice from engineer-in-charge and make all efforts to make the situation normal at the earliest.
- 8 Firm is responsible to keep required tools & plant with the work force for due performance of the
- 9 The Firm shall ensure energy conservation by switching - on the services only when required.
- 10 The work shall be carried out as per current department / CPWD specifications. The work may be extended for suitable period after approval from the competent authority.
- 11 The work shall be supervised by the qualified supervisor from the contractor's side.
- 12 Any damage done o the building / equipment of the department shall be made good by the contractor without any extra cost.
- 13 No T & P shall be issued to the contractor by the department (BSNL).
- 14 Testing shall be done in the presence of the Engineering - in - Charge or his duly authorized representative.
- 15 Security deposite of the contractor shall be released only after satisfactory completion of guarantee period.

**Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Cuttack.**

A. Details to be supplied before starting the work

1	Name of the Agency (with Office address)	
2	Name of Proprietor/partners	
3	Telephone No.(s)of the firm	
4	Name & address of the Supervisor	
5	Contact No.	
6	Particulars of the License/ Registration	

B. Detail of staff to be posted at site.

Sl No.	Name and Adress	No. & date of Valid Permit for wiremen	Remark

Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Cuttack.

**MAINTENANCE SCHEDULE**

# EI & FANS, Compound Lighting, Lightning Conductor, etc.

## DAILY CHECK

- 1 Ensure electrical installation is always kept neat and clean and working condition. Materials required will be supplied by BSNL.
- 2 Attend complaints promptly and in a satisfactory manner.
- 3 In case of failure of power supply/ breakdown, take prompt steps including contacting supply company for early restoration.
- 4 Carrying out minor alterations & additions as per directions of Engineer – in – charge (Material will be supplied by dept.)
- 5 Switch OFF lights / fans & other appliances, when not in use / not reqd.
- 6 Checking of lub oil level , radiator water in case of water cooled engine, etc, In case of low lub oil level/low level of distilled water in the battery, worn out of V belts, inform the same to the concerned JTO(E)/SDE(E) immediately.

## MONTHLY CHECKS

- Inspect & Tightening all the loose connections in the MCB DB, MV panel, switch board, loop box, starter of pump sets, etc.
- 2 Inspection, Cleaning of ceiling fan, tube light fittings, exhaust fan, etc.
  - 3 Watering of earthing pits (water by BSNL).
  - 4 Check & attend for deterioration of lightning spike prongs, supports and ensure proper bonding.
  - 5 Checking & Repairing of the compound lights (Ballant,lamp,condensors, etc will be supplied by BSNL )

## BIMONTHLY CHECKS

- 1 Measure the earth resistance of all earthing stations and ensure that all equipment are properly earthed i.e., there are no loose joints. The earth values measured should be reported in the Month April & October)  
Checking of the healthiness of the detector fixed in different room of the telephone exchange &
- 2 submission of report
- 3 Checking the weight of the fire extinguishers & submission of the report to the SDE(E)/JTO(E).

## **List of Tools & Plant (To Be Kept At Site)**

1. Torch
2. Tongue tester/clamp meter/multimeter
3. Hammer
4. Adjustable spanner
5. Set of fixed, ring and box spanner (6mm to 32mm)
6. Nose plier
7. Line tester
8. Combination plier
9. Set of screw drivers
10. Gloves

**Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Cuttack.**

## LOG BOOK PROFORMA FOR ATTENDING ELECTRICAL COMPLAINS

Dt & Time	Time & Date of attending	Action Taken/ Details of work	Materials	Dated Signature of Firm Representative
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	Nature of complaint	complaint	done	used if any	

### SCHEDULE OF WORK

Sl. No.	Description of items	Quantity	Unit	Total Rate	Amount
	<b>Name of work:</b>	<b>Shifting &amp; reinstallation of 1.5TR SAC/WAC unit at different TE/BTS under Cuttack SSA(Site: TE/BTS BK Pur,Kuakhia,Korua,Ostara &amp; Paraeep)</b>			
	<b>(Sub Head-I : Shifting &amp; reinstallation of 1no 1.5TR SAC unit from TE/BTS Sankhatras to B.K Pur)</b>				
1	Transportation of recovered SAC unit both indoor ,Outdoor unit ,copper pipes,cables etc from TE & BTS Sankhatras to B.K.Pur BTS i/c loading unloading etc complete as reqd.	1	job		
2	ITC of Split type Air conditioner unit i/c mounting/fitting of indoor and outdoor units at their respective locations, laying refrigeration pipe & insulating with hexpanded polythelene foam tubing upto 6mtrs. lengths supplied along with hSAC unit and connecting both the units after drilling holes in the wall if required,, laying drain pipe etc. to throw out the condensate water being formed in the indoor unit, leak testing of entire system, charging refrigerant gas in the unit, suitable electric wiring etc. complete as reqd	1	job		
	<b>(Sub Head-II : Replacement theft Copper pipe for f 2no 1.5TR SAC unit at TE/BTS Kuakhia)</b>				
1	Attending of break down faults on urgent basis i/c testing, Checking, fault finding and repairing of the main distribution panel, DBs, cleaning, decar -bonising and tightening the joints, minor repairing etc. complete as reqd.	1	jobs		
2	Providing & laying of additional refrigerant copper pipe for suction & discharge line (size not less than 1/4" & 5/8" dia ) or as recommended by the manufacturer along with expanded polythene foam insulation i/c cutting ,brazing /making joint etc as reqd. The measurement shall be taken on linear basis for one circuit which includes suction & discharge line & foam insulation.	6	Mtrs		
	<b>(Sub Head-III : Shifting &amp; reinstallation of 1no WAC unit from Cuttack to TE/BTS Korua)</b>				
1	Transportation of recovered 1no WAC unit from Store at Cuttack to Korua TE/BTS and vice versa i/c loading unloading etc complete as reqd.	1	job		
2	ITC of recovered WAC unit on existin hole i/c servicing ,shifting etc as reqd.	1	Job		
	<b>(Sub Head-IV : Reinstallation of 2nos damaged Split AC unit at TE/BTS Ostara)</b>				
1	Dismantling of existing Split AC ( out door only ) units along with refrigerant pipes & cables etc. etc. as required.	2	Job		



2	ITCofSplittypeAirconditioneruniti/cmounting/fittingofindoorandoutdoo runitsattheirrespectivelocations,layingrefrigerationpipe&insulatingwit hexpandedpolythelenefoamtubingupto6mtrs.lengthsuppliedalongwit hSACunitandconnectingboththeunitsafterdrillingholesinthewallifrequi red,,layingdrainpipeetc.tothrowoutthecondensatewaterbeingformedi ntheindoorunit,leaktestingofentiresystem,chargingrefrigerantgasinth eunit,suitableelectricwiring etc. complete as reqd	2	job		
3	Providing and fixing of suitable size L- shaped powder coated MS bracket (2 nos. per set ) for fixing of the outdoor unit of the split A/C units and fixing on wall with anchor bolts, drilling holes etc. complete as reqd.	2	Jobs		
<b>(Sub Head-V : Shifting &amp; Reinstallation of 2nos Split AC unit from Store Cuttack to Transmission Room at TE/BTS Paradeep)</b>					
1	Transportation of recovered SAC unitboth indoor ,Outdoor unit ,copper pipes,cables etc from TE & BTS Store at Cuttack to Paradeep TE/BTS i/c loading unloading etc complete as reqd.	1	job		
2	ITCofSplittypeAirconditioneruniti/cmounting/fittingofindoorandoutdoo runitsattheirrespectivelocations,layingrefrigerationpipe&insulatingwit hexpandedpolythelenefoamtubingupto6mtrs.lengthsuppliedalongwit hSACunitandconnectingboththeunitsafterdrillingholesinthewallifrequi red,,layingdrainpipeetc.tothrowoutthecondensatewaterbeingformedi ntheindoorunit,leaktestingofentiresystem,chargingrefrigerantgasinth eunit,suitableelectricwiring etc. complete as reqd	2	job		
3	Providing & laying of additional refrigerant copper pipe for suction & discharge line (size not less than 1/4" & 5/8" dia ) or as recommended by the manufacturer along with expanded polythene foam insulation i/c cutting ,brazing /making joint etc as reqd. The measurement shall be taken on linear basis for one circuit which includes suction & discharge line & foam insulation.	18	Mtrs		
4	Supplying/Fixing of following damaged / burnt out electrical accessories for the maintenance works in the light ftg / switch board/compound light connection, testing etc complete as required.				
a)	15 Amp top	1	No		
b)	Indoor GI plate	2	Nos		
c)	Top up of R-22 / R-407 /R -410 gas in existing Window A.C /Split A.C units, i/c testing etc. as required.	2	Kg		
d)	Servicing of Split AC units	2	Nos		
e)	32A SPMCB(C-series)	2	No		
5	Laying of additional cable of size 4core X2.5sqmm, PVC insulated and PVC sheathed copper conductor cable for interconnections of indoor and outdoor of AC units and from DB to indoor unit, connection etc. as required.	15	Mtrs		
			<b>Total</b>	<b>Rs</b>	
			<b>Less for UDM=</b>	<b>(-)Rs</b>	<b>0.00</b>
				<b>Rs</b>	

**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
2	MCCB	L & T / Siemence / Control & Switchgear / Schneider/ GE
3	TPN Switches & HRC fuses	Siemence / L & T / Havels/ HH Elcon/ Schneider/ Standard
4	C.T.	AE / IMP / Marshal / Pactil / Kappa / L &T/ Ashmor / Indcoil /
5	Ammeter / Voltmeter	AE / IMP / Universal/ Reshabh /Kaycee / Meco / Enercon.
6	Selector Switch	L&T / KEYCEE/ AE/ IMP/ THAKOOR/ Reco/ Vaishno/ Salzor/
7	INDICATING LAMP	Vaishno/ Siemens/ L&T / AE/ IMP/ Rass Control / Teknic /
8	LED based aviation lamp	M/S. G.S. Enterprises/ M/S. Insta Power/ Shrigauri
9	CAPACITOR (APP Type)	Khatau Junkar/ Shneider / L & T / Universal Electric / Usha /
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 /
18	Change Over Switch	Standard / Havells/ Control and Switch Gear / H-H Elecon.
19	Piano Switch	ISI Marked
20	Mono Block pump set	Beacon / Batliboi / 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.

Sub-Divisional Engineer(E), BSNL Electrical Sub-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: Shifting & reinstallation of 1.5TR SAC/WAC unit at different TE/BTS under Cuttack SSA(Site: TE/BTS BK

Estimated cost of work: 43720.00

Earnest money: 874

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: Sub-Divisional Engineer(E), BSNL Electrical Sub-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 Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Cuttack.

2(viii) Accepting Authority Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Cuttack.

2(x) Percentage on cost of materials and labour to cover all overheads and profits. 10%

2(xi) Standard Schedule of Rates

SR-INTERNAL-2016 & SR-EXTERNAL-2012

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,

#### **Clause 5**

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

07days

#### **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

l 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)

SR-INTERNAL-2016 & SR-EXTERNAL-2012

**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

















