

The Sub-Divisional Engineer (Elect.), BSNL Electrical Sub-Division, Rourkela 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	Repairing & Servicing works for various DG sets at Koida TE ,Rajamunda TE, Khatkurbahal, Modern Engg ,Salangbahal,Shihidia under Rourkela SSA	47501.00	950	10 days	39/TED-SBP/20-21

<b>Tender paper cost(Non refundable) Rs</b>	<b>177.00</b>	
<b>Last Date of receipt of application:-</b>	<b>6-Oct-20</b>	<b>(upto 4.00PM)</b>
<b>Last Date of tender paper sale:-</b>	<b>7-Oct-20</b>	<b>(upto 5.30PM)</b>
<b>Last Date of tender paper receipt:-</b>	<b>8-Oct-20</b>	<b>(upto 3.00PM)</b>
<b>Date of opening:-</b>	<b>8-Oct-20</b>	<b>(at 3.30 PM).</b>

**Eligibility Criteria :-**

- The BSNL Enlisted/ any Government ,PSU approved 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 OR 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:
  - Three similar successfully completed works costing not less than the amount equal to 40% of the estimated cost put to tender. OR
  - Two similar successfully completed works costing not less than the amount equal to 60% of the estimated cost put to tender. OR
  - One similar successfully completed work costing not less than the amount equal to 80% of the estimated cost put to tender.
- 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 Accounts Officer BSNL Electrical Division , Sambalpur. 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 BSNL Electrical Division Sambalpur 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 :- I) 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.
- 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, Rourkela.**

**No:-2(6)/TESDR/ 79**

**Dt. 01.10.2020**

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

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

**NOTICE INVITING TENDER**  
**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 :-

**Repairing & Servicing works for various DG sets at Koida TE ,Rajamunda TE, Khatkurbahal, Modern Engg ,Salangbahal,Shihidia under Rourkela SSA**

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

**47501.00**

This estimate however is given merely as a rough guide.

1) Tender will be issued to

The BSNL Enlisted/ any Government ,PSU approved 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 OR  
 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.

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

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

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, Rourkela. up to 03.00 PM on **08-Oct-20** 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. **950** in the form of DD of a scheduled Bank issued in favour of Accounts Officer (Cash) ,O/O The GMTD ,BSNL Sambalpur the amount being credited to Nationalized Bank / State Bank .

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

**Name of the work :-**

**Repairing & Servicing works for various DG sets at Koida TE ,Rajamunda TE, Khatkurbahal, Modern Engg ,Salangbahal,Shihidia under Rourkela SSA**

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 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.

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

**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 déclare 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. arising out of 46th amendments of constitution of India.

Date :- \_\_\_\_\_ ( Full signature of the tenderer )

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

**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 deposite 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.

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

**"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.

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,
- 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

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

#### **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 packing , forwarding, insurance , freight and 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.
- Following works shall be carried out by the contractor and therefore their cost shall be deemed to be included in their tendered cost.
- 5 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 D.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.**

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

**SCHEDULE OF WORK**

Name of work:		Repairing & Servicing works for various DG sets at Koida TE ,Rajamunda TE, Khatkurbahal, Modern Engg ,Salangbahal,Shihidia under Rourkela SSA			
Sl. No.	Description of items	Quantity	Unit	Total Rate	Amount
	<b>S.H-I</b>				
1	Servicing of DEA set i/c ,draining out of old burnt lub oil, cleaning of lub oil sump, opening of fuel filter, lub oil filter, cleaning of all filter bowls, filting with new elements, opening of tapped covers,checking and setting of tappets, adjustment of ' V ' belts tension, reassembling the DEA set to its normal position , test run of the machine etc.complete as required. a) above 30KM radius 1) Khatkurbahal 2) Koira TE	2	Job		
2	Servicing of DEA set i/c ,draining out of old burnt lub oil, cleaning of lub oil sump, opening of fuel filter, lub oil filter, cleaning of all filter bowls, filting with new elements, opening of tapped covers,checking and setting of tappets, adjustment of ' V ' belts tension, reassembling the DEA set to its normal position , test run of the machine etc.complete as required. a) with in 30KM radius 1) Modern Engg rkl 2) Jalda-A	2	Job		
3	Repairing and visit above 30KM distance for checking the various faults including dismantling burning parts of DG set ,voltage adjustment, ,Panel etc as complete as reqd.	1	Job		
4	Repairing and visit with in 30KM distance for checking the various faults including dismantling burning parts of DG set ,voltage adjustment, ,Panel etc as complete as reqd.	0	Job		
5	Supply of the following components suitable for 30 KVA D E/A set etc as reqd.				
a)	Fuel filter (Koira TE)	1	each		
b)	Lub oil filter (Koira TE)	1	each		
c)	V belt for fan,at Rajamunda,Lathikata	2	each		
d)	Battery brass terminal at modern engg	2	each		
e)	Coolant at khatkurbahal	1	ltrs		
f)	Tappet cover packing at Jalda A	1	sets		

g)	Main fuel pipe 19mm 3ft steel wire at khatkurbahal, Jalda-A-2	3	Each		
h)	Return fuel pipe 19mm 4ft steel wire braided pipe	1	each		
i)	Bolt for self starter	4	each		
j)	AVR for alternator at shihidia	1	each		
k)	Rubber gasket for doors	2	each		
5	Supply of the following components suitable for other 15 KVA D E/A set set etc as reqd.				
	a) Fuel filter P&S (1) Khatkur bahal 2) Jalda-A 3) Modern Engg BTS	3	sets		
	b) Lub oil filter (1)Khatkurbahal 2) Jalda-A 3) Modern engg	3	each		
6	Supply and pouring of approved quality and grade (15W/40) lubricating oil etc. as required. (Khatkurbahal-10ltr,Jalda-A-08 Ltrs,Koida TE-12ltrs,Mobil-10	40	Mtr		
7	Dismantling and opening of fuel tank from DG set canopy and refixing the same after making good the damages of the tank etc as complete as reqd.(Salangabahal)	1	Job		
8	S/F of 6mm size GI wire for body earthing of DG set etc as reqd.(Rajamunda 40KVA DG)	15	mtr		
9	Making Fuel pump calibration i/c replacement/lathe work for valve sheets ,elements,packing kits,roller etc as complete as reqd.( Jalda-A)	1	job		
10	Lub cooler cutting,welding & cleaning etc i/c cone rings-2nos as complete as reqd	1	job		
11	Dismantling self starter from old recovered DG sets and refixing of self starter at site etc as complete as reqd. Jalda A	1	job		
12	Dismantling and repairing of self starter at workshop i/c refixing,testing commissioning etc as complete as reqd. at bonai deogaon.	1	job		
				Total	
				Rs.	
				Less UDM	600.00

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

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

Sl.No	Items	Make
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)a) Above 400 KVA	ABB / Schneider Electric /Andrew Yule /Bharat Bijlee / Crompton / EMCO /Kirloskar / Siemens		
	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	Aniflra Effluent / ARW / Athlete/Airtake/ Dyna / Kirsloskar/ Puromatic/Purafill/ Purolator / Tenacity		



37	GI Sheet	HSU Jindal / National / Nippon Denro /Sail / Tata		
38	Heat Detector	Appollo / Chemtron/ Edward / Fenwal/Hochiki / Nitton /System Sensor/Wormald/Honeywell Essar/Notifier		
39	Ionization Detector	Appollo / Cerebrus / Edward/ /Fenwal /Hochiki / Nitton / System Sensor /Wormald		
40	Photo Electric Smoke Detector	Appollo / Cerebrus / Edward / Fenwal/Hochiki / Nitton / Wormald		
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		

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

### 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:

Repairing & Servicing works for various DG sets at Koida TE ,Rajamunda TE, Khatkurbahal, Modern Engg ,Salangbahal,Shihidia under Rourkela SSA

Estimated cost of work:

47501.00

Earnest money:

950

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, Rourkela.

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, Rourkela.

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

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-2016

2(xii) Department BSNL

9(ii) Standard CPWD contract Form CPWD Form 8 as modified & corrected unto 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. 10 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) SR-INTERNAL-2016 & SR-EXTERNAL-2016

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 Graduate or retired AE possessing at least recognised diploma  
ii) Rs. 5 Lakhs for Elect/ Mech.Works

b) For works with estimated cost put to tender more than  
i) Rs. 5 lakhs but less than Rs. 10 lakhs for Civil works Recognised diploma holder  
ii) Rs. 1 lakh but less than Rs.5 Lakhs for Elect/ Mech. Works

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