

**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 Electrical contractors satisfying the under mentioned eligibility conditions: -

Sl. No.	Name of work	Estimated cost including GST(Rs.)	E.M.D. (Rs).	Time allowed for	NIT No.
1	Attending day to day faults and repairing & maintenance of DG sets for various TE/ BTS sites under Balasore SSA(Ph-2)(For 2020-21).	197650.00	3953.00	06 months	145/BSNL/ED/CTC/2020-21

Tender paper cost (Non refundable) Rs.	590.00		
Last Date of receipt of application:-	30.01.2021	(upto 4.00PM)	
Last Date of tender paper sale:-	30.01.2021	(upto 5.30PM)	
Last Date of tender paper receipt:-	01.02.2021	(upto 3.00PM)	
Date of opening:-	01.02.2021	(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 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
- 1.3 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.  
OR
- 1.4 BSNL enlisted contractors in Electrical category of respective class with valid electrical licence as per their tendering limits.

**NOTE:-**

1. Valid GST Registration Certificate issued by statutory authority.
2. 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 .
3. Similar work means repairing work of 15 KVA DEA set & above. Testimonials of satisfactory completion of works should be obtained from an officer not below the rank of Executive Engineer, wherever required clearly mentioning the name & scope of work.
- 2 All other terms& conditions as per BSNL EW-6 and BSNL EW-8 form.
- 3 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 A.O. (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.
- 4 If the date of opening is declared as holiday, then the tender shall be opened on next working day.
- 5 If the performance of the contractor is not satisfactory his tender shall not be opened. E.E(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" towards tender cost.
(3) Documentary proof of satisfying eligibility conditions as per 1.1 to 1.4 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.

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

**Dt. 18/01/2021**

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

Copy to-

- 1) The C.E(E), BSNL Electrical Odisha Zone, Bhubaneswar
- 2 - 3) The Executive Engineer(E) BSNL Electrical Division, Bhubaneswar/Sambalpur
- 4-15) 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 Jr. 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 :-

**Attending day to day faults and repairing & maintenance of DG sets for various TE/ BTS sites under Balasore SSA(Ph-2)(For 2020-21).**

The work is estimated to cost Rs.

**197650.00**

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 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

1.3 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.

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-> 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.

OR

1.4 BSNL enlisted contractors in Electrical category of respective class with valid electrical licence 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

**06 months**

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 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 Executive Engineer(E), BSNL Electrical Division, Cuttack up to 03.00 PM on **01.02.2021** 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.

**3953.00**

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 :-

Attending day to day faults and repairing & maintenance of DG sets for various TE/ BTS sites under Balasore SSA(Ph-2)(For 2020-21).

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.

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 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. 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 Engineer - in Charge or his duty authorized representative.
- 3) Samples of the all articles shall be got approved from the Engineer - in Charge 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 presence of the Engineer - 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 no negotiation 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

- 9 The currency of contract shall be 06 months. However, the currency of the contract may be extended for another 06 months at mutual consent of the contractor & BSNL.

- 10 In urgency the agency may be asked to carry out the work in adjacent SSAs as per the requirement. The decision of Engineer-in-charge in this regard shall be final & binding.

**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**

Name of work:		Attending day to day faults and repairing & maintenance of DG sets for various TE/ BTS sites under Balasore SSA(Ph-2)(For 2020-21).							
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.3 X Col.7	Col.9 = Col.3 X Col.5
1	Attending to break down call, physical inspection of DG sets at site, checking of lube oil sump, lube oil & lube oil filter, Radiator & coolant, Fans & fan belts, Fuel tank, Fuel, fuel filters & fuel lines, status of starting batteries, Battery charger, self starter, DG foundation bolts, Alternator coupling, exhaust pipes, AMF/conventional DG control panel, Alternator terminals, Alternator AVR, starting system etc., fault finding , top up of coolant, lube oil, Diesel, distilled water in battery etc. if required, rectification of other minor faults, make the DG set suitable for starting, trial run, load testing, checking of Engine & Alternator parameters, working of charging dynamo, etc. complete as required.(Supply of materials are not in the scope of this item)	15 Jobs	Job						
2	Servicing of different capacity & make DG sets including drain out of old deteriorated lube oil from lube oil sump, dismantling of old oil & fuel filter elements, supply and pouring of suitable grade lube oil, supply & fixing of genuine fuel & oil filter elements, cleaning of fuel lines, air filters, radiator coils, cleaning of DG inside canopy, AMF/conventional control panel, tightening all electrical connections, trial run of DG set, load testing etc. complete as required.								
<b>N o t e</b>	<b>1) Typical makes of DG sets : Kirloskar / Mahindra / Eicher / Escorts / Ashok leyland/Greaves/ Cummins etc.</b>								
	<b>(2) All the materials should be got verified from the SDE (E)/JTO (E) and to the satisfaction of Engineer in charge before using at site.</b>								

	a) 15 KVA to 20 KVA Air / Water cooled DG set	6 jobs	Job						
	b) 25 KVA to 30 KVA Air / Water cooled DG sets	3 jobs	Job						
	c) 40 KVA to 63 KVA Air / Water cooled DG sets	2 jobs	Job						
3	Supplying and fixing/fitting, connection of the following spare parts/components/accessories of the DG sets including dismantling/disconnecting the faulty /defective ones, functional testing of new ones etc. complete as required.								
<i>N</i>	<b>1) The make &amp; specifications of the new spares/components/accessories should be same as that original ones or as per the recommendations of the Engine manufacturer / OEM.</b>								
<i>o</i>	<b>2) Typical makes of DG sets : Kirloskar / Mahindra / Eicher / Escorts / Ashok leyland/Greaves/ Cummins</b>								
<i>t</i>									
<i>e</i>	<b>a) For 15 to 30 KVA DG sets</b>								
:	i) Steel wire Braided fuel pipes (Supply/ return) (Approx-1700mm)	2 nos.	Each						
	ii) Radiator hoses and clamps	1 set	Set						
	iii) V- Velts	2 sets	Set						
	iv) Tappet cover gaskets	1 set	Set						
	v) Steel wire braided lub oil pressure pipe	1 set	Set						
	vi) Banjo bolts with washer	3 nos.	Each						

vii) Steel wire braided fuel short piece pipe with banjo bolts and washers from Feed pump to Fuel Filter	1 set	Set						
viii) Steel wire braided fuel short piece pipe with banjo bolts and washers from Filter to Fuel pump	1 set	Set						
ix) Feed Pump assembly	1 set	Set						
<b>b) For 40 to 63 KVA DG sets</b>								
i) Steel wire Braided fuel pipes (Supply/ return) (Approx-1700mm)	1 no.	Each						
ii) Radiator hoses and clamps	1 set	Set						
iii) V- Velts	1 set	Set						
iv) Tappet cover gaskets	1 set	Set						
v) Steel wire braided lub oil pressure pipe	1 set	Set						
vi) Banjo bolts with washer	1 no.	Each						

	vii) Steel wire braided fuel short piece pipe with banzo bolts and washers from Feed pump to Fuel Filter	1 set	Set						
	viii) Steel wire braided fuel short piece pipe with banzo bolts and washers from Filter to Fuel pump	1 set	Set						
	ix) Feed Pump assembly	1 set	Set						
4	Supply and top up of Lube oil/coolant of suitable grade in the DG sets i/c transportation to sites etc. as required.								
	a) Lube oil 15W/40	10 ltrs	Ltr						
	b) Coolant	10 ltrs	Ltr						
	c) Diesel for Testing wherever required	10 ltrs	Ltr						
	d) Distilled water for DG Starting battery	10 ltrs	Ltr						
5	Supply and fixing/connection, testing of the following accessories of DG sets i/c dismantling and disconnection of the new ones etc. complete as required. (Make and Specification should be as per recommendations of the manufacturer/OEM/Engineer in charge)								

a) 10 Amps, 12 volts DC O/P & 170 to 270 Volts AC input, SMPS type Panel mounting Battery charger for charging of DG set starting battery	1 no.	Each						
b) Automatic Electronic voltage Regulator for 15 to 63 KVA brushless type 3 phase, 415 volts Alternator (for excitation circuit) (BSNL Approved make)	2 nos.	Each						
c) Dial type Hour cum RPM meter (Mechanical type)	1 no.	Each						
d) Digital hour meter (Electronic & panel mounted type)	1 no.	Each						
e) Stop solenoid assembly suitable for operation on 12 volts DC	1 set	Set						
f) Starting Key set	1 set	Set						
g) Battery charging Leads made of PVC insulated stranded copper conductor cable with clamps (not less than 35sqmm )	1 set	Set						
h) Brass Battery clamps with nuts and bolts	1 set	Set						
i) 63Amps, 415 volts , 50 Hz 4 pole MCCB (Not less than 25 KA)	1 no.	Each						

	j) 40Amps, 415 volts , 50 Hz, 4 pole contactor with 2NO+2 NC (AC3 duty)	1 no.	Each						
	k) Contactor Coil for power Contactors in AMF Panel	1 no.	Each						
	l) Engine Start Relay	1 no.	Each						
6	Repairing of Self starter (12 volts ) of the DG sets i/c dismantling from DG set, transportation to workshop and back, replacement of solenoid coil, carbon brushes, springs, washers, bearings, refitting with DG set, testing etc. complete as required.								
	a) For 15 to 63 KVA DG set	1 job	Job						
7	Extra for winding of self sarter (12 volts) coil by superior quality and size enamel copper wire, heat varnishing etc. complete as required.								
	a) For 15 to 63 KVA DG set	1 job	Job						

8	Repairing of Battery charging Dynamo (12 volts) of the DG sets including dismantling from DG set, transportation to workshop and back, replacement of carbon brushes, springs, washers, bearings, refitting with DG set, testing etc. complete as required.								
a)	For 15 to 63 KVA DG set	1 job	Job						
9	Extra for winding of Battery charging Dynamo (12 volts) coil by superior quality and size enamel copper wire, heat varnishing etc. complete as required.								
a)	For 15 to 63 KVA DG set	1 job	Job						
10	Making arrangements for charging of starting Battery of the DG set at workshop, replacement of electrolyte, servicing i/c transportation from site to nearest workshop and back etc. complete as required.	1 job	Job						
11	Servicing & Repairing of the fuel pump, injector & nozzles including dismantling, decarbonising, replacement of minor worn out spares like gasket, "O"ring etc. complete as required.	1 job	Job						
12	Extra for calibration of above mentioned fuel pump in authorised workshop i/c transportation from site to workshop and back etc. as required.								
a)	For 02 Cylinder Engine	1 job	Job						
b)	For 04 Cylinder Engine	1 job	Job						
13	Checking and cleaning of Engine radiator after drainage of coolant leak testing etc. complete as required.	1 job	Job						

14	Checking and cleaning of Engine Diesel tank after drainage of Diesel leak testing etc. complete as required.	1 job	Job						
							<b>GRAND TOTAL:</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.

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**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 / Meco
5	Ammeter / Voltmeter	AE / IMP / Universal/ Reshabh /Kaycee / Meco / 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 / Telemehanique / 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 / 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.

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**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:

Attending day to day faults and repairing & maintenance of DG sets for various TE/ BTS sites under Balasore SSA(Ph-2)(For 2020-21).

Estimated cost of work:

197650.00

Earnest money:

3953

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:**

- 1. Engineer-in-Charge
- 2. Accepting Authority
- 3. Percentage on cost of materials and labour to cover all overheads and profits.

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10%

4. Standard Schedule of Rates

DSR-E&M-2018

5. Department

BSNL

6. Standard BSNL contract Form

BSNL EW Form 8 as modified & corrected upto date

**Clause 2**

Authority for fixing compensation under Clause 2.

Superintending Engineer (E), O/o the C.E(E), BSNL Electrical Odisha Zone, Bhubaneswar.

**Clause 5**

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

06 months

**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)

DSR-E&M-2018

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), O/o the C.E(E), BSNL  
Electrical Odisha Zone, 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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