

# Bharat Sanchar Nigam Ltd.

Connecting India (<u>A Government Of India Enterprise</u>) O/o The Sub-Divisional Engineer (Electrical) BSNL Electrical Sub-Division,Bolangir Ph- 06652-233699,

## **NET NOTIFICATION**

The Sub-Divisional Engineer (Elect.), BSNL Electrical Sub-Division, Bolangir 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: -

SI. No.		Estimated cost.(Rs.)(Ex. GST)	E.M.D. (Rs).	Time allowed	NIT No.
	Shifting of 63 KVA silent type DG set and AC Units and misc repair of Pump set under Bhawanipatna SSA.	47967.00	959	15 Days	20/BSNL-ED/SBP/ 20-21

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

Eligibility Criteria :-

- 1 BSNL enlisted contractor or Authorised dealer of the OEM or should have done similar works in BSNL.
- 2 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/nationalized bank/state bank guaranteed by reserve bank of India drawn in
- 3 favour of Accounts Officer(Cash), O/O The GMTD, 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 Accounts Officer(Cash), O/O The GMTD, 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 contain-ing 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 .

- 4 If the date of opening is declared as holiday, then the tender shall be opened on next working day.
- \_ The tender documents shall not be sent through courier /post. The tender documents received through courier/
- <sup>5</sup> post shall not be opened / considered at all.

Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Bolangir

#### No:- NIT/TESD/BGR/20-21/27

#### Dt. 20.07.2020

Copy to-

- 1) The S.E.(E), BSNL Electrical Circle, Bhubaneswar
- 2-4) The Executive Engineer(E) BSNL Electrical Division, Sambalpur/Cuttack/Bhubaneswar.
- 5-15) The Sub-Divisional Engineer(E) BSNL.E.S.D.,Bhubaneswar-I/II/Cuttack-I/II/Berhampur/ Sambalpur-I/II/Rourkela/Koraput/Dhenkanal/Balasore.
- 16) The Vigilance Officer, O/O the CGMT, Orissa Circle, Bhubaneswar.
- 17) The Accounts Officer, BSNL Electrical Division, Sambalpur.
- 18) The Notice Board
- 19) website. (www.orissa.bsnl.co.in)

#### BHARAT SANCHAR NIGAM LIMITED

47967

( A Govt. of India Enterprise )

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

## Shifting of 63 KVA silent type DG set and AC Units and misc repair of Pump set under Bhawanipatna SSA.

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

This estimate however is given merely as a rough guide.

Tender will be issued to

1

BSNL enlisted contractor or Authorised dealer of the OEM or should have done similar works in BSNL.

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

Agreement shall be drawn with the successful tenderer on prescribed form no. 8 which is available as a Govt. of India publication, tender shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.

3 The time allowed for carrying out the work will be

15 Days

4 The availability of individual site will be specified in the award letter.

Receipt of applications for issue of forms will be stopped by 16.00 Hrs. two days before the date fixed for opening of tenders. Issue of tender forms will be stopped two 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 5 be complied with by the whose tender may be accepted and other necessary document can be seen in the office of the Sub-

5 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, BOLANGIR 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 cash.

The tender must produce an Chattered Accountant certificate in the revised form as modified under Ministry of Finance O.M.No. 6 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, Bolangir up to 03.00 PM on 7-Aug-20 and will be opened by him or his authorized representative in his office on the same day at 03.30 PM.

- The tender shall be accompanied by earnest money (unless exempted) of Rs. 959
  in the form of DD of a scheduled Bank issued in favour of ACCOUNTS OFFICER(CASH), O/O The GM(TD), SAMBALPUR, the
  amount being credited to Nationalized Bank / State Bank.
- 9) The description of the work is a follows :- Name of the work :-

Shifting of 63 KVA silent type DG set and AC Units and misc repair of Pump set under Bhawanipatna 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 forexecuting 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.

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 renderer shall be summarily rejected. The public enterprises that avail benefits of the purchase preference should be subjected to adequate penalties for cost overruns etc.

CPWD-6

- 2 Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders contractors who restore to canvassing will be liable to rejection.
- <sup>3</sup> 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.

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

<sup>4</sup> 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.

No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering Department of he 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

<sup>5</sup> 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.

This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his 6 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, Bolangir

## 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 \_\_\_\_\_

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

#### Date :-

1

#### Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Bolangir

#### **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 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.
- Testing shall be done in the pres4nce of the Engineering in Change or his duly authorized representative.
   The contract shall stand for guarantee against defective materials of manufacturing defects and workmanship for the work carried
- a) 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.

#### Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Bolangir

#### "ESSENTIAL CONDITIONS OF CONTRACT "

The firm shall read care fully 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.

**TAXES AND DUTIES** : BSNL shall deduct income tax and other statutory deductions / cess from payments due to the firm as per rules of he 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.

- 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.

All the materials will be under the charge of the contractor till it is completed and handed over . No materials will be removed from 4 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.
- <sup>6</sup> PAYMENTS TERMS : No advance payments will be made. Stipulations like levy of interest if any payment is not made in specificied time is not acceptable to the department.

Offer should be clear : Any ambiguous offer is liable fo rejection by the department. There will be no negotiation with the lowest 7 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. 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 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, Bolangir 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.
- Rates quoted shall be inclusive of packing , forwarding, insurance , freight and delivery at site watch and ward of all materials.
- 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.
- The contractor shall be responsible for repairing all damages and restoring the same to their original finish. He shall also remove at a) his cost all unwanted and waste materials arising out of his work from his site.
- 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.
- <sup>6</sup> 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.
- If any conduit is laid before award of work recovery for the same will be made from contractor at the rate of S.R. '07 + 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.

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 10 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.

Numbering and sign writing of entire installation shall be carried out by the contractor as per instructions of the Engineering - in-<sup>12</sup> 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.

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.

	SCHEDULE OF WORK					
	Name of work:	Shifting of 63 KV set under Bhawa		G set and A	AC Units and m	isc repair of Pump
SI. No.	Description of items	Unit	Rate	Э	Qty	Amount
1	Shifting of the 63KVA silent type DEA set with all accessories as per following i/c escorting during transportation, arranging the way permits, toll fee etc., unloading at site by crane or other means, keeping on the existing, foundation etc. complete as required.					
	Microwave Stn, Bhawanipatna to Telephone Bhawan, Bhawanipatna	Job			1	
2	Loading the above 63 KVA DG set on truck by Hydra / crane or any other means at ETR Microwave Stn, Bhawanipatna complete as reqd.	Job			1	
3	Un-loading the above 63 KVA DG set from truck by Hydra / crane or any other means and keeping on the foundation at Telephone Bhawan, Bhawanipatna complete as reqd.				1	
4	Dismantling all cables, earth strips etc., Installation, testing and commissioning of the 63 KVA Diesel engine Alternator set including connection of cables and earth strips etc. complete as reqd.				1	
5	Minor repairingof the panel replacement, fixing, connection of inlet & overflow Steel wire Braided fuel pipes with benzo bolts of the DG sets i/c dismantling / disconnecting the faulty / defective ones, functional testing of new ones etc. complete as required.	Lab			1	
6	Dismantling of damaged WAC and Installation of repaired AC unit i/c making good the damages etc. complete as reqd.	Job			3	
7	Shifting of the 1.5TR WAC with all accessories within a distance of 50Kms including loading, unloading etc. as required.	Job			2	
8	Withdrawal of faulty 3H.P.,3-phase Submersible pump motor set from the existing <b>collapsed</b> tube well with chain pulley, cylinder rod hooking and special tools & plant arrangement for necessary repairing along with pipe and cable after necessary disconnection of pipe line and electrical connections etc.as reqd.	Job			1	
9	Dismantling the 1.5 HP submersible motor, cutting and removing the damaged/burnt out windings and rewinding the same with superior quality PVC coated copper wire as per sample and reassembling the motor as reqd.	Each			1	
10	Supply and fixing 40 mm dia GI Clamp, Union and stainless steel nipple with fixing charges with HDPE pipe by heating and suitable size steel nut bolt etc. complete as reqd.	Job			1	
11	Supply and fixing of 3 core x 1.5 sq.mm flat copper submersible cable in replacement of the existing cable as required.	Meter			65	
12	Lowering, testing & commissioning of repaired 3HP 3-phase submersible pump motor set in the existing tube i/c jointing of existing power supply cable and column GI pipes during lowering of pump motor set & connecting the pump delivery line with the existing delivery pipe line etc. complete as reqd	Job			1	
					Fotal	

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

SNLACE       L & T / Siemence /Control & Switchgear / Schneider/ GE Power Control         MCCB       L & T / Siemence / Control & Switchgear / Schneider/ GE Power Controls         1       MCCB       L & T / Siemence / Control & Switchgear / Schneider/ GE Power Controls         2       TPN Switches & HRC fuses       Siemence / L & T / Havels/ HH Elcon/ Schneider/ Standard (Upto 400A)/ GE Power controls         3       C.T.       AE / IMP / Universal / Reshabh /Kaycee / Meco / Enercon.         5       Selector Switch       L & T / KEYCEE/ AE/ IMP/ THAKOOR/ Recol / Valshno/ Salzor/ Rass         6       INDICATING LAMP       Valshno/ Sizer / Rass         7       LED based avaiation lamp       MS. G.S. Enterprises/ MS. Insta Power/ Shrigauri         8       CAPACITOR (APP Type)       Khateu Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.         9       Cable ISI Mark       ISI Marked         10       (a) upto 1.1 KV grade.       ISI Marked         12       Rubber Matting       ISI Marked         13       Gable joint Kit       Raychem / M-S Sei / DENSONs         14       Single phasing preventor       L & T / Siemens / Minilac / Zenotrip         15       Timer       L & T / Siemens / Minilac / Zenotrip         16       MCBs / Isolators &       Benetex / Clanton/ Havelis / Seiners / Standard' Sheider / Indokoop / MD	LIST OF APPROVED MAKES FOR E.I. & FAN, PUMP SET, COMPOUND LIGHT Item Name of Manufacturer		
MCCB       L & T / Siemence / Control & Switchgear / Schneider/ GE Power Controls.         PTN Switches & HRC fuses       Siemence / L & T / Havels/ HH Elcon/ Schneider/ Standard (Upto 400A)/ GE Power controls         C.T.       AE / IMP / Marshal / Pactil / Kappa / L &T / Ashmor / Indooil / Waco / Meco         Ammeter / Voltmeter       AE / IMP / Universal/ Reshabh /Kaycee / Meco / Enercon.         Selector Switch       L&T / KEYCEF /AF / IMP / THAKOOR/ Reco/ Vaishno/ Salzor/ Rass         INDICATING LAMP       Vaishno/ Siemens/ L&T / AF / IMP/ Rass Control / Teknic / Schneider / Kaycee.         Z LED based avaiation lamp       MS: G.S. Enterprises/ MS. Insta Power/ Shrigauri         & CAPACITOR (APP Type)       Khatau Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.         G cable ISI Mark       INP         10 (a) upto 1.1 KV grade.       ISI Marked         (b) Above 1.1 KV grade.       ISI Marked         12 Rubber Matting       ISI Marked         13 Cable joint Kit       Raychem / M. Seal / DENSONs         14 Single phasing preventor       L & T / Siemens / Minilac / Zerotrip         15 Timer       L & T / Siemens / Minilac / Zerotrip         16 mOB / Si Iolators &       Benetex / Claritor/ Havells / Seimens / Standard' Shneider / Indokoop / MOS         17 Distribution Board.       Benetex / Claritor/ Havells / Seimens / Standard' Shneider / Indokoop / MOS         18 Pian			
2       TPN Switches & HRC fuses       Siemence / L & T / Havels/ HH Econ/ Schneider/ Standard (Upto 400A)/ GE Power controls         2       C.T.       AE / IMP / Marshal / Pactil / Kappa / L &T / Ashmor / Indcoil / Waco / Meco         4       Ammeter / Voltmeter       Enercon.         5       Selector Switch       L&T / KEYCEE/ AE/ IMP / THAKOOR Recol / Jestino/ Salzor/ Rass         6       INDICATING LAMP       Valsino/ Siemens/L&T / AE/ IMP/ THAKOOR Recol / Jestino / Siemens/L&T / AE/ IMP/ THAKOOR Recol / Jestino / Siemens/L&T / AE/ IMP/ THAKOOR Recol / Jestino / Siemens/L&T / AE/ IMP/ THAKOOR Recol / Jestino / Siemens/L&T / AE/ IMP/ HAKOOR Recol / Jestino / Siemens/L&T / AE/ IMP/ HAKOOR Recol / Jestino / Siemens/L&T / AE/ IMP/ HAKOOR Recol / Jestino / Siemens/L&T / AE/ IMP/ HAKOOR Recol / Jestino / Siemens/L&T / AE/ IMP/ HAKOOR Recol / Jestino / Siemens/L&T / AE/ IMP/ Rass Control / Teknic / Schneider / Kaycee         7       LED based avaiation lamp       M/S. G.S. Enterprises/ M/S. Insta Power/ Shrigauri         6       CAPACITOR (APP Type)       Khatau Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.         10       (a) upto 1.1 KV grade.       ISI Marked       ISI Marked         12       Cabbe ISI Mark       ISI Marked       ISI Marked         13       Cabe ISI Mark       ISI Marked       ISI Marked         14       Standard / Havells / Control and Switch Gear / H+H Elecon.       IB         15       Timer       L & T / Siemens /		MCCR	L 9 T / Sigmonos / Control 9 Switchman / Schneider/ CE Dewer Controls
2       GE Power controls         3       C.T.       AE / IMP / Marshal / Pactil / Kappa / L &T/ Ashmor / Indooil / Waco / Meco         4       Ammeter / Voltmeter       AE / IMP / Universal/ Reshabh /Kaycee / Meco / Enercon.         5       Selector Switch       L&T / KEYCEE/ AE/ IMP? THAKOOR / Reco / Vaishno/ Satzor/ Rass         6       INDICATING LAMP       Vaishno/ Siemens/ L&T / AE/ IMP? Rass Control / Teknic / Schneider / Kaycee.         7       LED based avaiation lamp       WS. G.S. Enterprises/ M/S. Insta Power/ Shrigauri         8       CAPACITOR (APP Type)       Khatau Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.         9       Cable ISI Mark       IMP.         10<(a) upto 1.1 KV grade.	1	MCCB	L & T / Siemence / Control & Switchgear / Schneider/ GE Power Controls.
4     Ammeter / Voltmeter     AE / IMP / Universal/ Reshabh / Kaycee / Meco / Enercon.       5     Selector Switch     L&T / KEYCEF / AE / IMP / THAKOOR/ Reco / Vaishno/ Salzor/ Rass       6     INDICATING LAMP     Vaishno/ Silemens / L&T / AE / IMP / TAKOOR/ Reco / Vaishno/ Salzor/ Rass       7     LED based availation lamp     WS. G.S. Enterprises/ M/S. Insta Power/ Shrigauri       8     CAPACITOR (APP Type)     Khatau Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.       9     Cable ISI Mark     ISI Marked       10     (a) upto 1.1 KV grade.     ISI Marked       12     (a) upto 1.1 KV grade.     ISI Marked       13     Cable JSI Mark     ISI Marked       14     Free Extinguisher     ISI Marked       15     Marked     ISI Marked       16     Rober Matting     ISI Marked       16     Cable Joint Kit     Raycher / M. Seal / DENSONs       17     Distribution Board.     Eart / Siemens / Minilac / Zerotrip       16     Timer     L & T / Siemens / Minilac / Sel and and / Shneider / Indokoop / MOS       19     Nono Block pump set     Beacon / Batilioi / Kitoskar / Jyoti / Mather & Platt / KSB / Crompton / WAS / BE / PEC.       19     Starter     L & T / Siemens / BCH / ABB /MEI /GE Power Control.       10     Single power Switch     ISI Marked       19     Mono	2	TPN Switches & HRC fuses	
4         Enercon.           5         Selecto Switch         L&T / KEYCEF/ AE/ IMP/ THAKOOR/ Recol / Vaishno/ Salzor/ Rass           6         INDICATING LAMP         Vaishno/ Siemens/ L&T / AE/ IMP/ Rass Control / Teknic / Schneider / Kaycee.           7         LED based avaiation lamp         M/S. G.S. Enterprises/ M/S. Insta Power/ Shrigauri           8         CAPACITOR (APP Type)         Khatau Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.           9         Cable ISI Mark         ISI Marked           10         (a) upto 1.1 KV grade.         ISI Marked           9         Cable ISI Mark         ISI Marked           11         File Extinguisher         ISI Marked           12         Rubber Matting         ISI Marked           13         Cable Joint Kit         Raychem / M-Seal / DENSONs           14         Single phasing preventor         L & T / Siemens / Minilac / Telemechanique / AE.           15         Timer         L & T / Siemens / Minilac / Telemechanique / AE.           16         MCBs / Isolators &         MDS           17         Distribution Board.         Benetex / Clariton/ Havells / Seimens / Standard / Shneider / Indokoop / MDS           18         Piano Switch         ISI Marked         ISI Marked           19         Mono Biock pump set	3	C.T.	AE / IMP / Marshal / Pactil / Kappa / L &T/ Ashmor / Indcoil / Waco / Meco
6       INDICATING LAMP       Vaishno/ Siemens/ L&T / AE/ IMP/ Rass Control / Teknic / Schneider / Kaycee.         7       LED based avaiation lamp       M/S. G.S. Enterprises/ M/S. Insta Power/ Shrigauri         8       CAPACITOR (APP Type)       Khatau Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.         9       Cable ISI Mark       ISI Marked         10       (a) upto 1.1 KV grade.       ISI Marked         10       (a) upto 1.1 KV grade.       ISI Marked         11       (b) Above 1.1 KV grade.       ISI Marked         12       Rubber 1.1 KV grade.       ISI Marked         13       Cable Joint Kt       Baychem / M. Seal / DENSONs         14       Single phasing preventor       L & T / Siemens / Minilac / Zerotrip         15       Timer       L & T / Siemens / Minilac / Zerotrip         16       MCBs / Isolators &       IDistribution Board.       Molocom         17       Distribution Board.       Benetex / Clariton/ Havells / Selmens / Standard/ Shneider / Indokoop / MDS         18       Piano Switch       ISI Marked       ISI Marked         19       Mone Block pump set       Beacon / Batilioi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.         19       Mone Block pump set       Beacon / Batilioi / Kirloskar / Jyoti / Mather & Platt / KSB /	4	Ammeter / Voltmeter	•
b         Kaycee.           7         LED based avaiation lamp         MS. G. S. Enterprises/ M/S. Insta Power/ Shrigauri           8         CAPACITOR (APP Type)         Khatau Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.           9         Cable ISI Mark         ISI Marked           10         (a) upto 1.1 KV grade.         ISI Marked           11         Fire Extinguisher         ISI Marked           12         Rubber Matting         ISI Marked           13         Cable Joint Kit         Raycee.           14         Single phasing preventor         L & T / Siemens / Minilac / Zerotrip           15         Timer         L & T / Siemens / Minilac / Telemechanique / AE.           16         MCBs / Isolators &         Benetex / Clariton/ Havells / Seimens / Standard / Shneider / Indokoop / MDS           17         Distribution Board.         Benetex / Clariton/ Havells / Control and Switch Gear / H-H Elecon.           18         Piano Switch         ISI Marked           19         Mono Block pump set         Beacon / Batilboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.           12         Galt Valve         ISI Marked           13         Cable point St         Siddharth, Nice           14         Singe power Switch         ISI Mark	-		
7LED based availation lampM/S. G.S. Enterprises/ M/S. Insta Power/ Shrigauri8CAPACITOR (APP Type)Khatau Junkar/ Shneider / L & T / Universal Electric / Usha / Asian / AE/ IMP.9Cable ISI MarkISI Marked10(a) upto 1.1 KV grade.ISI Marked10(a) upto 1.1 KV grade.ISI Marked11Fire ExtinguisherISI Marked12Rubber MattingISI Marked13Cable joint KitRaychem / MSeal / DENSONs14Single phasing preventorL & T / Siemens / Minilac / Zerotrip15TimerL & T / Siemens / Minilac / Telemechanique / AE.16MCBs / Isolators &To17Distribution Board.Benetex / Clariton / Havells / Seimens / Standard / Shneider / Indokoop / MDS18Piano SwitchISI Marked19Mono Block pump setBeacon / Batibiol / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WDS20StarterL & T / Siemens / BCH / ABB / MEI / GE Power Control.21G.I / M.S PipeST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA23Gate ValveSant / Leader / Tishul / Fountain / Annapurma.24M.S. ConduitSi diadrath, Nice25VC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBSindard / MDS / Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSindard / MDS / Havells/ Datar /Siemens / GE Power Controls / HPL-	6	INDICATING LAMP	
Imp.     Imp.       Gable ISI Mark     ISI Marked       (a) upto 1.1 KV grade.     ISI Marked       (b) Above 1.1 KV grade.     ISI Marked       VC insul. Cu cond wire     Havell, Anchor, L &T, Phinolex, Polycab       11 Fire Extinguisher     ISI Marked       12 Rubber Matting     ISI Marked       13 Cable joint Kit     Raychem / M- Seal / DENSONs       14 Single phasing preventor     L & T / Siemens / Minilac / Zerotrip       15 Timer     L & T / Siemens / Minilac / Zerotrip       16 MCBs / Isolators &     Bentex / Clariton/ Havells / Seimens / Standard/ Shneider / Indokoop / MDS       17 Distribution Board.     Bentex / Clariton/ Havells / Seimens / Standard / Shneider / Indokoop / MDS       18 Piano Switch     ISI Marked       19 Mono Block pump set     Beacon / Batibiol / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.       20 Starter     L & T / Siemens / BCH / ABB /MEI /GE Power Control.       21 G.1/ M.S Pipe     BST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA       22 Foot valve     ISI Marked       23 Gate Valve     Sant / Leader / Tishul / Fountain / Annapurna.       24 M.S. Conduit     ISI Marked       25 VC conduit     ISI Marked       26 Submersible pump     KSB / Calama / Amrut / Kirloskar / PEC / BE.       27 ELCB     EtcA       28 RCCB     Indo Asian	7	LED based avaiation lamp	•
9     Cable ISI Mark       10     (a) upto 1.1 KV grade.     ISI Marked       10     (b) Above 1.1 KV grade.     ISI Marked       11     Fire Extinguisher     ISI Marked       12     Rubber Matting     ISI Marked       13     Cable joint Kit     Raychem / M-Seal / DENSONs       14     Single phasing preventor     L & T / Siemens / Minilac / Zerotrip       15     Timer     L & T / Siemens / Minilac / Zerotrip       16     MCBs / Isolators &     Enertex / Claritori/ Havelis / Seimens / Standard/ Shneider / Indokoop / MDS       17     Distribution Board.     Benetex / Claritori/ Havelis / Seimens / Standard / Shneider / Indokoop / MDS       18     Piano Switch     ISI Marked       19     Wono Block pump set     Beacon / Batliboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.       20     Starter     L & T / Siemens / BCH /ABB /MEI /GE Power Control.       21     Gate Valve     Sant / Leader / Tishul / Fountain / Annapurna.       22     Foot valve     ISI Marked       23     Gate Valve     Sant / Leader / Tishul / Fountain / Annapurna.       24     M.S. Conduit     Siddharth, Nice       25     PVC conduit     ISI Marked       26     Submersible pump     KSB / Calama / Amrut / Kirloskar / PEC / BE.       27     ELCB <td< td=""><td>8</td><td>CAPACITOR (APP Type)</td><td></td></td<>	8	CAPACITOR (APP Type)	
(b) Above 1.1 KV grade.       ISI Marked         PVC insul. Cu cond wire       Havell, Anchor, L &T, Phinolex, Polycab         11       Fire Extinguisher       ISI Marked         12       Rubber Matting       ISI Marked         13       Cable Joint Kit       Raychem / M- Seal / DENSONs         14       Single phasing preventor       L & T / Siemens / Minilac / Zerotrip         15       Timer       L & T / Siemens / Minilac / Telemechanique / AE.         16       MCBs / Isolators &         17       Distribution Board.       Benetex / Clariton/ Havells / Seimens / Standard/ Shneider / Indokoop / MDS         Change Over Switch       Isl Marked         18       Piano Switch       ISl Marked         19       Standard / Havells / Control and Switch Gear / H-H Elecon.         18       Piano Switch       ISl Marked         19       Mono Block pump set       Beacon / Batliboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.         20       Starter       L & T / Siemens / BCH / ABB /MEI /GE Power Control.         21       G.I / M.S Pipe       BST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA         22       Foot valve       ISI Marked         23       Gate Valve       Sant / Leader / Tishul / Fountain / Annapurna.         24 <td>9</td> <td>Cable ISI Mark</td> <td></td>	9	Cable ISI Mark	
PVC insul. Cu cond wireHavell, Anchor, L &T, Phinolex, Polycab11Fire ExtinguisherISI Marked12Rubber MattingISI Marked13Cable joint KtRaychem / M- Seal / DENSONs14Single phasing preventorL & T / Siemens / Minilac / Zerotrip15TimerL & T / Siemens / Minilac / Zerotrip16MCBs / Isolators &17Distribution Board.Benetex / Clariton/ Havells / Seimens / Standard / Shneider / Indokoop / MDS18Piano SwitchISI Marked19Mono Block pump setBeacon / Batilboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.20StarterL & T / Siemens / BCH / ABB /MEI / GE Power Control.21G.I / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitISI Marked25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL-Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	10	(a) upto 1.1 KV grade.	ISI Marked
11       Fire Extinguisher       ISI Marked         12       Rubber Matting       ISI Marked         13       Cable joint Kit       Raychem / M- Seal / DENSONs         14       Single phasing preventor       L & T / Siemens / Minilac / Zerotrip         15       Timer       L & T / Siemens / Minilac / Zerotrip         16       MCBs / Isolators &       Eenetex / Clariton/ Havells / Seimens / Standard/ Shneider / Indokoop / MDS         17       Distribution Board.       Benetex / Clariton/ Havells / Seimens / Standard/ Shneider / Indokoop / MDS         18       Piano Switch       ISI Marked         19       Wono Block pump set       Beacon / Batiliboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.         20       Starter       L & T / Siemens / BCH / ABB /MEI / GE Power Control.         21       G.I / M.S Pipe       BST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA         22       Foot valve       ISI Marked         23       Gate Valve       Sant / Leader / Tishul / Fountain / Annapurna.         24       M.S. Conduit       ISI Marked         25       PVC conduit       ISI Marked         26       Submersible pump       KSB / Calama / Amrut / Kirloskar / PEC / BE.         27       ELCB       Standard / MDS/ Havells/ Datar /Siemens / GE Power Cont		(b) Above 1.1 KV grade.	ISI Marked
12Rubber MattingISI Marked13Cable joint KitRaychem / M- Seal / DENSONs14Single phasing preventorL & T / Siemens / Minilac / Zerotrip15TimerL & T / Siemens / Minilac / Telemechanique / AE.16MCBs / Isolators &17Distribution Board.Benetex / Clariton/ Havells / Seimens / Standard/ Shneider / Indokoop / MDS18Piano SwitchStandard / Havells/ Control and Switch Gear / H-H Elecon.18Piano SwitchISI Marked19Mono Block pump setBeacon / Battliod / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.20StarterL & T / Siemens / BCH /ABB /MEI /GE Power Control.21G.I / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitISI Marked25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.		PVC insul. Cu cond wire	Havell, Anchor, L &T, Phinolex, Polycab
13Cable joint KitRaychem / M- Seal / DENSONs14Single phasing preventorL & T / Siemens / Minilac / Zerotrip15TimerL & T / Siemens / Minilac / Telemechanique / AE.16MCBs / Isolators &I17Distribution Board.Benetex / Clariton / Havells / Seimens / Standard / Shneider / Indokoop / MDS18Piano SwitchISI Marked19Mono Block pump setBeacon / Batiliboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.20StarterL & T / Siemens / BCH / ABB / MEI / GE Power Control.21G.I / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	11	Fire Extinguisher	ISI Marked
14Single phasing preventorL & T / Siemens / Minilac / Zerotrip15TimerL & T / Siemens / Minilac / Telemechanique / AE.16MCBs / Isolators &Benetex / Clariton/ Havells / Seimens / Standard / Shneider / Indokoop / MDS17Distribution Board.Benetex / Clariton/ Havells / Seimens / Standard / Shneider / Indokoop / MDS18Piano SwitchISI Marked19Mono Block pump setBeacon / Batiliboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.20StarterL & T / Siemens / BCH / ABB /MEI /GE Power Control.21G.I / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitISI Marked25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	12	Rubber Matting	ISI Marked
15       Timer       L & T / Siemens / Minilac / Telemechanique / AE.         16       MCBs / Isolators &       Benetex / Clariton/ Havells / Seimens / Standard / Shneider / Indokoop / MDS         17       Distribution Board.       Benetex / Clariton/ Havells / Seimens / Standard / Shneider / Indokoop / MDS         18       Piano Switch       ISI Marked         19       Mono Block pump set       Beacon / Batilboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.         20       Starter       L & T / Siemens / BCH / ABB /MEI /GE Power Control.         21       G.I / M.S Pipe       BST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA         22       Foot valve       ISI Marked         23       Gate Valve       Sant / Leader / Tishul / Fountain / Annapurna.         24       M.S. Conduit       Siddharth, Nice         25       PVC conduit       ISI Marked         26       Submersible pump       KSB / Calama / Amrut / Kirloskar / PEC / BE.         27       ELCB       Standard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL-Techno.         28       RCCB       Indo Asian         29       Contractors       Siemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	13	Cable joint Kit	-
16       MCBs / Isolators &         17       Distribution Board.       Benetex / Clariton/ Havells / Seimens / Standard/ Shneider / Indokoop / MDS         18       Piano Switch       Standard / Havells/ Control and Switch Gear / H-H Elecon.         18       Piano Switch       ISI Marked         19       Mono Block pump set       Beacon / Batliboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.         20       Starter       L & T / Siemens / BCH / ABB /MEI / GE Power Control.         21       G.1 / M.S Pipe       BST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA         22       Foot valve       ISI Marked         23       Gate Valve       Sant / Leader / Tishul / Fountain / Annapurna.         24       M.S. Conduit       Siddharth, Nice         25       PVC conduit       ISI Marked         26       Submersible pump       KSB / Calama / Amrut / Kirloskar / PEC / BE.         27       ELCB       Standard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL-Techno.         28       RCCB       Indo Asian         29       Contractors       Siemens / L & T / GE Power controls / Shneider / MEI / Laxmi.			· ·
17Distribution Board.Benetex / Clariton/ Havells / Seimens / Standard/ Shneider / Indokoop / MDS17Distribution Board.Benetex / Clariton/ Havells / Seimens / Standard / Shneider / Indokoop / MDS18Piano SwitchISI Marked19Beacon / Batliboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.20StarterL & T / Siemens / BCH / ABB /MEI / GE Power Control.21G.1 / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.			L & T / Siemens / Minilac / Telemechanique / AE.
17MDSChange Over SwitchStandard / Havells/ Control and Switch Gear / H-H Elecon.18Piano SwitchISI MarkedMono Block pump setBeacon / Batilboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.20StarterL & T / Siemens / BCH /ABB /MEI /GE Power Control.21G.I / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.			Denotory / Claritory / Loyalla / Saimana / Standard/ Shuaidar / Indokaan /
18Piano SwitchISI Marked19Mono Block pump setBeacon / Batilboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.20StarterL & T / Siemens / BCH / ABB /MEI / GE Power Control.21G.I / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar / Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	17	Distribution Board.	•
Nono Block pump setBeacon / Batilboi / Kirloskar / Jyoti / Mather & Platt / KSB / Crompton / WASP / BE / PEC.20StarterL & T / Siemens / BCH / ABB /MEI / GE Power Control.21G.I / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / MEI / Laxmi.		Change Over Switch	Standard / Havells/ Control and Switch Gear / H-H Elecon.
19WASP / BE / PEC.20StarterL & T / Siemens / BCH / ABB / MEI / GE Power Control.21G.I / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	18	Piano Switch	ISI Marked
21G.I / M.S PipeBST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.		Mono Block pump set	
22Foot valveISI Marked23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	20	Starter	L & T / Siemens / BCH /ABB /MEI /GE Power Control.
22Formation23Gate ValveSant / Leader / Tishul / Fountain / Annapurna.24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	21	G.I / M.S Pipe	BST/TATA / ATC/IIA/JUST/ITS/ JINDAL/ ZENITH/ GSI/ TTA
24M.S. ConduitSiddharth, Nice25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / MEI / Laxmi.	22	Foot valve	ISI Marked
25PVC conduitISI Marked26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	23	Gate Valve	Sant / Leader / Tishul / Fountain / Annapurna.
26Submersible pumpKSB / Calama / Amrut / Kirloskar / PEC / BE.27ELCBStandard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.28RCCBIndo Asian29ContractorsSiemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	24	M.S. Conduit	Siddharth, Nice
20       F       Standard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL-         27       Techno.         28       RCCB         29       Contractors    Standard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.          28       RCCB         29       Contractors    Standard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno.	25	PVC conduit	ISI Marked
ELCB Standard / MDS/ Havells/ Datar /Siemens / GE Power Controls / HPL- Techno. 28 RCCB Indo Asian 29 Contractors Siemens / L & T / GE Power controls / Shneider / MEI / Laxmi.			KSB / Calama / Amrut / Kirloskar / PEC / BE.
29 Contractors Siemens / L & T / GE Power controls / Shneider / MEI / Laxmi.			
29 Contractors Siemens / L & T / GE Power controls / Shneider / MEI / Laxmi.	28	RCCB	Indo Asian
	20		Siemens / L & T / GE Power controls / Shneider / MEI / Laxmi.
	23 30		

Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Bolangir

### 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.

	Description of item	Quantity	Rates in figures and	Place of Issue		
SI. No.	2	3	4	5		
1						
	NIL					

# SCHEDULE 'C

Tools and plants to be hired to the contractor

	Description of item	Hire charges per day		Place of Issue		ssue
SI. No.	2	3			4	
1						
	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 of 63 KVA silent type DG set and AC Units and misc repair of Pump set under Bhawanipatna SSA.

Estimated cost of work: Earnest money: 47967.00 959

Security Deposit: Performance guarantee	5 % of the tendered value of the work. 5% of the tendered value of the work. The same to be submitted to $EE(E)$
GENERAL RULES and DIRECTIONS:	
Officer inviting tender:	Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Bolangir

Maximum percentage for quantity of items of work to be executed beyond which rates

#### **Definitions:**

2(v) Engineer-in-Charge	Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Bolangir
2(viii) Accepting Authority	Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Bolangir
2(x) Percentage on cost of materials and labour to cover all overheads and profits.	10%
2(xi) Standard Schedule of Rates 2(xii) Department 9(ii) Standard CPWD contract Form <b>Clause 2</b>	SR-INTERNAL-2007 & SR-EXTERNAL-2007 BSNL CPWD Form 8 as modified & corrected upto date
Authority for fixing compensation under Clause 2.	Superintending Engineer (E), BSNL Electrical Circle, Bhubaneswar.
<b>Clause 5</b> Time allowed for execution of work. Authority to give	15 Days

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

<b>Clause 7</b> 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. <b>Clause 11</b>	As Applicable.	
Specifications to be followed for execution of work	CPWD internal	and external specification up to date
<b>Clause 12</b> <b>12.1.2</b> (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	-2007 & SR-EXTERNAL-2007
<b>12.1.2</b> (iii) $\pm$ the % over the rate entered in the schedule of rates.	NA	
<b>12.1.2</b> (vi) A. Deviation Limit beyond which sub-clauses (i) to (v) shall not apply and clauses 12.2 and 12.3 shall apply	25%	
<b>12.1.2 (</b> 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	
<b>Clause 16</b> Competent Authority for deciding reduced rates.	Superintending	Engineer (E), BSNL Electrical Circle, Bhubaneswar.
<b>Clause 36</b> (i) Minimum Qualifications and experience required for Principal Technical Representative.		
a) For works with estimated cost put to tender more than	1	
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	1	
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. V	Vorks	Recognised diploma holder
c) Discipline to which the Principal Technical Representa	ative should	Electrical / Mechanical
d) Minimum experience of works		Three (3) years
e) Recovery to be effected from the contractor in the eve	ent of not fulfilling	g Rs. 4,000/- p.m. for Graduate

Sub-Divisional Engineer(E), BSNL Electrical Sub-Division, Bolangir