

Name of Work: Relay calibration, Oil Filtration and associated works for Augmentation of CMD at TE, Mambalam, Chennai

BHARAT SANCHAR NIGAM LIMITED

(A Govt of India Enterprise)

**Chennai Telephones
(Electrical Wing)**

TENDER DOCUMENT

Name of Work: Relay calibration, Oil Filtration and associated works for Augmentation of CMD at TE, Mambalam, Chennai

Name of the Contractor

(To be filled in by the Contractor)

Address

Pin. _____
Phone: _____
Fax: _____

O/o The Sub Divisional Engineer (E),

Electrical Sub Division.VII

Panagal Building (III Floor),

1, Jeenu Road, Saidapet,, Chennai-600 015.

Phone: 24314838 Fax No:

(An ISO 9001: 2000 Certified Unit)

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B S N L E W

GENERAL GUIDELINES

1. BSNL EW-6, Form BSNL EW 8, Schedules A to F, special conditions/ specifications and drawings will be issued to intending tenderers only. The Standard Form will not be issued along with the Tender Documents but the same shall form part of the agreement to be drawn and signed by the both parties after acceptance of tender. The standard Forms shall be available in downloadable manner from website <http://www.chennai.bsnl.co.in>
2. All blanks are confined to Notice Inviting Tender (BSNL EW-6) and Schedules A to F.
3. Authority approving the Notice Inviting Tenders (NIT) shall fill up all the blanks in BSNL EW-6, and in Schedules B to F before issue of Tender Papers.
4. The intending tenderers will quote their rates in Schedule A.
5. The proforma for registers and Schedules A to F are only for information and guidance. These are not to be filled in the Standard Form. The Schedules with all blanks, duly filled, shall be separately issued to all intending tenderers for filling and returning the same in the manner prescribed. The Schedules can also be downloaded from website <http://www.chennai.bsnl.co.in>

Name of Work: Relay calibration, Oil Filtration and associated works for Augmentation of CMD at TE, Mambalam, Chennai

B S N L EW

**Bharat Sanchar Nigam Limited
(A Government of India Enterprise)
Electrical Wing**

Electrical Division: III, Chennai

Sub-Division: ESD-VII, Chennai.

Certified that this tender schedule Contains **...Seventeen** pages only.

NIT No. **1. DIVISION: 205 /ED-III/CH/09-10**

2.SUB DIVISION: 51/ ESD-VII/CH/09-10

Notice Inviting Tenders

(As per Tendering Procedure in BSNL revised up to date)

01. Tenders in the prescribed form are hereby invited on behalf of the BSNL for the work of **Relay calibration, Oil Filtration and associated works for Augmentation of CMD at TE, Mambalam, Chennai**
Estimated cost: Rs.14900/-
02. (a) Printed forms of tenders consisting of the detailed plans, complete specifications, the schedule of quantities of the various classes of works to be done and the set of conditions of contract to be complied with by the persons whose tender may be accepted, can be purchased, at the Divisional / Sub divisional office between the hours of **11.00 hrs and 16.00** hrs. every day except on Sundays and public Holidays on payment of **Rs.156.00** in cash.
(b) The site for the work is available/ or the site for the works shall be made available in parts.
(c) The tender forms can also be downloaded from the website.
(d) Before tendering, the contractor shall inspect the site and fully acquaint himself about the condition with regard to accessibility of site and site nature and the extend of grounds, working condition, including stocking of materials, installation of T&P etc., and conditions affecting accommodation and movement of labour etc., required for the satisfactory execution of the contract. No claim whatsoever on such account shall be entertained by the BSNL in any circumstances.
03. Tenders which should always be placed in sealed covers with the name of the work written on the envelope will be received by the Sub Divisional Engineer (Elect.) **Sub Division – VII, Chennai** Up to 15.00 hours on **06/10/2009** and will be opened by him in his office on the same day at 15.30 hours.
04. The time allowed for carrying out the work will be One months from the 10th day after the date of written order to commence the work.
05. Issue of tender form will be stopped two days before the date **06/10/2009**. fixed for opening of tenders. Tenders will be sold on working days, no tenders will be sold after 16.00 hours.
a) Earnest Money amounting to **Rupees Two hundred and ninety eight only** in the form of demand draft/ FDR/ BG/ CDR of a nationalized/scheduled bank guaranteed by the Reserve Bank of India, drawn in favour of **Accounts Officer, BSNL Electrical Division III, Chennai**. must accompany each tender and each tender should be in two sealed covers, one cover containing the EMD in proper form and other cover containing tender , super scribed as “ Tender for the work of **Relay calibration, Oil Filtration and associated works for Augmentation of CMD at**

Contractor

SDE(E)

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TE, Mambalam, Chennai and addressed to Sub Divisional Engineer (Electrical) BSNL, Electrical **Sub Division-VII** Chennai. **The Validity period of EMD is 120 days, from the date of opening of tender.** In case of e-tendering, each tender should be in two sealed coves, first containing credentials for meeting the Eligibility conditions along with the cost of tenders and EMD in proper form, second cover containing tender documents. The credentials shall be self attested and certified by any BSNL Executive. If not certified by BSNL Executive then original documents shall be produced at the time of tender opening. After verification of the contents of this envelope then second envelope containing the bid document shall be opened.

- b) The EMD of all the unsuccessful tenderers shall be released on issue of award letter to the successful tenderer. This shall be done within one week of award letter.
 - c) Exemption from payment of earnest money and security deposit by any other unit/ department shall not hold good for BSNL.
07. a) The contractor should submit and confirm Chartered Accountant Certificate in respect of turnover and other registration certificate [Enlistment in BSNL, Electrical License, Sales Tax] with attested copies (self attested and counter attested by any executive of BSNL/MTNL or Gazetted officer of GOI) as applicable along with the application on printed letter head for purchase of tender.
- b) The contractor shall submit and confirm his permanent account number (PAN) issued by the Income Tax Department.
 - c) The tenderer should submit the valid WCT/ Sales Tax/ VAT registration certificate
08. i) Performance Guarantee: The contractor is required to furnish performance guarantee for an amount equal to 5% of the contract value in the form of bank guarantee / CDR/FDR/DD (of a nationalized / Scheduled Bank in a standard format) within two weeks from the date of issue of award letter. This period can be further extended by the Engineer-in-charge up to a maximum period of 2 weeks on written request of Contractor. The validity period of the performance security in the form of performance bank guarantee shall be one year from the date of actual completion of work.
- ii) Security deposit :In addition to performance guarantee stated above, a sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum be deducted with the sum already deposited as earnest money, will amount to security deposit of 5% of the Tendered value of the work.
09. The acceptance of a tender will rest with the **Sub Divisional Engineer (E)** who does not bind himself to accept the lowest tender or any other tender and reserves to himself the Authority to reject lowest or all the tenders received without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected. Tenders with any condition including that of conditional rebates shall be rejected forthwith summarily.
10. Canvassing in connection with tender is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
11. The BSNL reserves itself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rates quoted.
12. i) The tenderer should give a certificate that none of his/her relative is

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employed in BSNL units. In case of proprietorship firm, certificate will be given by the proprietor and for partnership firm certificate will be given by all the Directors of the company.

ii) Near relatives of all BSNL employees either directly recruited or on deputation are prohibited from participation in tenders and execution of works in the different units of BSNL. The near relatives for this purpose are defined as:

- a) Members of a 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).

iii) 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 Archt./Corporate office for non executive employees and all SSA in a circle including circle office/Chief Eng./Chief Archt./Corporate office for executive employees (including those called as Gazetted officers at present). The tenderer should give a certificate that none of his/her such near relative is working in the units as defined above where he is going to apply for tender/work, for proprietorship, partnership firms and limited company certificate shall be given by the authorized signatory of the firm. Any breach of these conditions by the company or firm or any other person, the tender/work will be cancelled and earnest money/performance guarantee will be forfeited at any stage whenever it is so noticed. BSNL 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.

The format of the certificate to be given is

"I.....Son of Shri
Resident of.....
hereby certify that none of my relative(s) as defined in the tender document is/are employed in BSNL unit as per details given in tender document. In case at any stage, it is found that the information given by me is false/incorrect, BSNL shall have the absolute right to take any action as deemed fit/without any prior intimation to me".

(Seal of the firm)

(Signature of Contractor)

13. No employee in BSNL/ Govt. of India is allowed to work as a contractor for a period of two years of his retirement from service without the prior permission. The contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained the permission as aforesaid before submission of tender and engagement in the contractors service.

14. The tender for the works shall not be witnessed by the contractor who himself/themselves has/ have tendered or who may and has/have tender for the same work. Failure to observe this condition would render tenders of the contractors tendering as witnessing the tender is/are liable for summarily rejection.

Contractor

SDE(E)

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15. It will be obligatory on the part of the tenderer to sign each page of the Schedule of work and the tender documents for all the component parts and after the work is awarded he will have to enter into a separate agreement for each component with the officer concerned.

16. Any tender not submitted in proper manner or if it contains too many corrections, over writings of absurd rates, and absurd amount will be liable to be rejected and the BSNL will be at liberty to take such action as it may deem fit without any reference to the tenderer.

17. The tenders for the work shall remain open for acceptance for a period of 90 days from the date of opening of the tenders.

If any tenderer withdraws his tender before the said period or makes any modification in the terms and conditions of the tender which is not acceptable to the BSNL shall, without prejudice to any other right of remedy be at liberty to forfeit 50% (fifty percent only) of the said earnest money absolutely.

20. Extension of validity: In case, where the letter of award of work cannot be placed within the validity period of the tender, the BSNL can request all tenderers to extend the validity of their respective tenders and the Earnest Money deposit by a reasonable period. In such cases, extension of validity of Earnest Money deposit by 30 days beyond the extended validity date of tender should also be asked for. While BSNL can make the request for extension, the tenderer is free to either extend the validity or refuse the request to extend the validity.

21. Unsealed tenders will be summarily rejected.

22. The contractor should read the tender documents carefully before submitting the tender.

23. Agreement shall be drawn with the successful tenderer on prescribed form. Tenderer shall quote his rates as per various terms and conditions of the said form, which will form part of the agreement.

24. The tenderer shall furnish a declaration to this effect (incase downloaded tender) that no addition/deletion/correction have been made in the tender document submitted and is identical to the tender document appearing on website. Every page of downloaded tender shall be signed by the tenderer with stamp (seal) of his firm /organization.

25. This Notice Inviting Tender shall form 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 thereto.

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b) Standard form.

26. ELIGIBILITY CRITERIA: - To be Filled in by EE/ SDE.

From the eligible contractors who have been enlisted in BSNL whose financial limit is more than the Estimated Cost. AND Contractor should possess valid Electrical License to work in HT Installations in the State of Tamilnadu

Sub Divisional Engineer (E)
Electrical Sub Division-VII

For and on behalf of
Bharat Sanchar Nigam Limited.

Contractor

Sub Divisional Engineer (E)

SDE/EE/CONTR

Contractor

SDE(E)

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BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)

CIRCLE : TELECOM CIRCLE –II.Chennai

DIVISION : III,Chennai

BRANCH : EW

SUB DIVISION: VII,Chennai.

(A) Tender for the work of:- **Relay calibration, Oil Filtration and associated works for Augmentation of CMD at TE, Mambalam, Chennai**

(i) Issued to (contractor) : _____

(ii) Tender Cost: **156/-** (iii) Receipt No. _____

(iv) Date of application: _____ (v) Date of issue : _____

(vi) Signature of officer issuing the documents _____

(vii) Designation : Sub Divisional Engineer (E)

(B) (i) To be submitted by (time) 15.00 hours on (date) **06/10/ 2009 The Sub Divisional Engineer (E),ESD-VII,Panagal Building (III Floor) , 1, Jeenis Road, Saidapet,Chennai-600015.**

(ii) To be opened in presence of tenderers who may be present at **15.30** hours on **06/10/2009** o/o **SDE(E),ESD-VII**,Chennai.

T E N D E R

1. I/we have read and examined the notice inviting tender, schedule, specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, special conditions, Schedule of Rates and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

2. I/We hereby tender for the execution of the work specified for BSNL within the time specified, schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions and other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

3. I/We agree to keep the tender open for ninety (90) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

4. A sum of Rs...**298/-**is hereby forwarded in the form of Deposit at call receipt /FDR//Bank guarantee of a Nationalized /Scheduled Bank as earnest money. If I/We, fail to commence the work specified I/We agree that the said BSNL shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely and the same may at the option of the competent authority on behalf of BSNL be recovered without prejudice to any other right or remedy available in law out of the deposit in so far as the same may extend in terms of the said bond and in the event of deficiency out of any

Contractor

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other money due to me/us under this contract or otherwise.

5. Should this tender be accepted, I/We agree to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered upto maximum of percentage mentioned in clause 12.3 of the tender form and those in excess of that limit at rates to be determined in accordance with provisions contained in clause 12.2.

6. I/we agree to furnish to BSNL Deposit at call receipt/FDR/ Bank guarantee of a Nationalized/ Scheduled Bank for an amount equal to 5% of the contract value in a standard format within two weeks from the date of issue of award letter. I/We agree to keep the performance bank guarantee valid for one year from the date of actual completion of work.

7. I/We hereby declare that I/We shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety or interest of BSNL.

Signature of Witness
(required in the case of
contractor's thumb impression
is given by the contractor in place
of signature)
(Name & Postal address)

(Signature of contractor)
Seal of Contractor

Date:

Occupation of Witness

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of BSNL for a sum of Rs. _____
**(Rupees _____
only)**

The letters referred to below shall form part of this contract Agreement

- a)
- b)

For & on behalf of BSNL

Dated

Sub Divisional Engineer(E)

Contractor

SDE(E)

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Augmentation of CMD at TE, Mambalam, Chennai

Schedule of Quantities

SINo	Description of items	Qty	Rate	Unit	Amount
	Sub Head I - Services				
1	Calibration of 2 nos of Over Current Instantaneous relay and 1 No. Earth Fault Relay fitted in cubicle by using secondary and primary injection testing kit including adjustments for error and making good the damages etc as reqd.	5 set		set	
2	Testing the earth pits including cleaning the contacts, replacing the bolts and nuts etc. complete as required	6 job		job	
A	Total Sub Head I				
B	Service Tax @ 10.3% for Sub Head I				
	Total (A+B)				

Contractor

Sub Divisional Engineer (E)

Contractor

SDE(E)

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PROFORMA OF SCHEDULES

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

Clause 10 i) SCHEDULE “B”

Schedule of Materials to be issued to the contractor

S.No	Description of Item	Quantity	Rates in figures & words at which the materials will be charged from the contractor	Place of issue
1	As per schedule		4	ESD(Stores)

SCHEDULE “F”

Reference to General Conditions of Contract

Name of work

Relay calibration, Oil Filtration and associated works for Augmentation of CMD at TE, Mambalam, Chennai

Estimated cost of Work : **Rs.14900/--**

Earnest cost of work : **Rs. 298/- (Rupees Two hundred and ninety eight only)**

Performance Guarantee

(5% of the tendered value in the form of Bank Guaranteed from Scheduled Bank in respect of works with estimated cost put to tender exceeding Rs.6 Lakhs)

Rs _____ (Rupees _____ only)

GENERAL RULES AND DIRECTIONS

Officers inviting tender Executive Engineer (E)/SDE(E) BSNL Electrical
Division/**Sub-division VII**

Definitions:

2 (V) Engineer- in charge **SDE(E) VII**

2(vi) Accepting Authority **SDE(E) VII**

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

Clause 5

(i) Time allowed for execution of work **15 days**

(ii) Authority to give fair and reasonable extension of time for completion of work. EE (E)/SE (E) _____

Contractor

SDE(E)

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Clause 12

12.2 (iii) Schedule of rates for determining the rates for additional, altered or substituted items that cannot be determined under 12.2 (i) and (ii)

12.2(iii) Plus / minus the % over the rate entered in the schedule of rates.

Clause 25

Competent authority for conciliation
SE(E) not in charge of the work.

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SPECIFICATIONS FOR EI & FANS

The work shall be done as per current CPWD Specification. For Electrical works amended from time to time & Indian Electricity Rules as attended up to date.

The work shall be supervised by qualified technical staff of the Contractor.

The layout of the work will be given by the Engineer in charge or his duly authorized representative at the site of work.

The following wiring shall be done in separate conduits:-

- A) Power plug wiring.
- B) Light & Fan point wiring.
- C) Emergency Light point wiring(AC Supply/DC Supply)
- D) Telephone wiring.
- E) Clock wiring.
- F) AC Unit wiring.

The number of power plug points, and emergency light points fed from DC supply shall not exceed two per circuit in any of the cases.

The earthing sets shall be provided in presence of engineer in charge or his authorized representative.

Sample of all the materials, fittings, accessories, IC switch gears etc., shall be got approved from the Engineer in-charge before using the same on work. The rejected materials shall be removed immediately from the site of work.

The Contractor will have to carry out the following tests at his cost and intimate test results before final bills are paid. Nothing extra will be paid to him on this account.

- A) Earth Test b) Polarity test c) Insulation test
- d) Earth continuity test of the surface/recessed conduits.

Any damage done to the building, by the Contractor during the execution of work shall have to be made good at his cost and risk. If he does not do it himself within a reasonable time determined by the Engineer In-charge the same will be got done at his cost departmentally after notice given to him.

The outlet boxes, IC BOXES for Switches and end of conduits etc. of different types of electrical wiring as mentioned in clauses above shall be painted inside/outside with different colours each signifying the different categories mentioned so as to avoid mixing of various circuits and their wiring and nothing extra will be paid for this.

At the time of laying conduit pipe in the slab in recess, the contractor should keep fish wire of 16 SWG GI wire throughout conduit pipe and will have to take special care so that the conduit do not cross through AC ducts, grills, etc.

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The contractor should recess the conduits in the walls before they are plastered and in coordination with progress of building works. The conduit should be mechanically and Electrically continues.

All the Switch board, SDB and DB shall be clearly sign written indicating the number/type of load/Circuit Nos. etc.

Under ground cables of both 1.1 KV and 11 KV should be subject to pressure/insulation tests before and after laying the same.

While making end connections of wore, no strand shall be cut and termination of wire shall be done with necessary lugs without any extra cost.

The termination of conduits etc. in the junction box should be done by making proper holes instead of cutting the box.

Rs.1/- per empty box for the ceiling fans, fittings and other items supplied by the Department will be recovered from Contractor irrespective of the size of box.

The Contractor will have to make arrangements to take the materials to site of work at his own risk and cost.

If any conduits are laid before the award of work, the same shall be recovered at rate mentioned in SR-94 (Internal) enhanced by abatement of similar items in the tender.

ALL MATERIALS SHALL BE "ISI" MARKED OR APPROVED BY THE BSNL.

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**LIST OF APPROVED MAKES FOR EI&FAN,
PUMP SET AND COMPOUND LIGHT.**

1	ACB	L&T / Siemens / Crompton / Controls & Switchgear / GE Power Controls
2	MCCB	Siemens / L&T / GE Power Controls / Control & Switchgear / Crompton
3	TPN SWITCHES & HRC FUSES	Siemens / L&T/GE Power Controls / Havells / H-H Elecon / Crompton / Standard (Upto 400A)
4	CT	AE / IMP / Marshal / Pactil / Kappa / L&T / Ashmor / Indcoil / Waco / Meco
5	AMMETER / VOLTMETER	AE/IMP/Universal/Reshabh/Kaycee/Meco/Enercom
6	SELECTER SWITCH	L&T / Kaycee / AE / IMP / Thakoor / Reco / Vaishno / Selzer /Rass Control.
7	INDICATING LAMP	Vaishno / Siemens / L&T / AE / IMP / Rass Control / Teknic / Crompton / Kaycee.
8	CAPACITOR	Khatau Junkar / Crompton / L&T / IMP /Universal Electric / Usha / Asian / AE
9	CABLES a) Upto 1.1KV grade b) Above 1.1KV grade	ISI MARK ISI MARK
10	PVC INSULATED COPPER CONDUCTOR WIRE	ISI Mark
11	FIRE EXTINGUISHERS	ISI Mark
12	RUBBER MATTING	ISI Marks
13	CABLE JOINT KIT	Raychem / M-Seal /Densons.
14	Single Phasing Preventor	L&T / Minilac / Zerotrip / Siemens.
15	TIMERS	L&T/Siemens/Minilac/Telemecanique/AE
16	MCBs / ISOLATORS & DISTRIBUTION BOARD	Bentex / Clariton / Havells / Indokupp/ Siemens / Standard / Crompton / MDS
17	CHANGE OVER SWITCH	Standard/Havells/Control&SwitchGear/H-H Elecon
18	PIANO SWITCH	ISI Mark
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	GI/MS PIPE	Tata/ATI/ITC/ATC/IIA/JST/ITS/JINDAL/ Zenith/GSI/TTA/BST

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22	FOOT VALVE	ISI Mark
23	GATE VALVE	Sant/Leader/Trishul/Fountain/Annapurna
24	MS CONDUIT	ISI Mark
25	SUBMERSIBLE PUMP	KSB/Calama/Amrut/Kirloskar/PEC/BE
26	ELCB	Standard/MDS/Havells/Datar/Siemens /GE Power Control
27	CONTACTORS	Siemens/L&T/ GE Power Controls/Crompton/MEI/Laxmi