



# CENTRAL ELECTRICAL TESTING LABORATORY

An NABL accredited (Certificate No.TC-11400) & BIS recognized Laboratory

Department of Industries and Commerce

Government of Tamil Nadu

Kakkalur-602 003, Tiruvallur District, Tamil Nadu

(044) 27660384 / 27660302

E Mail: cetl.customercare@gmail.com

**CETL**

Ref.No.528/A2/2023-14 dt.15.11.2023

To  
The Chief Secretary  
Government of Karnataka  
Room No. 320, 3rd Floor  
Vidhana Soudha, B  
Bengaluru - 560 001

Respected Sir,

Sub Central Electrical Testing Laboratory (CETL), Kakkalur  
– An NABL Accredited and BIS Recognised testing  
laboratory – Testing of samples as per Indian  
Standard (IS) Specifications - Purchase of electrical  
goods by Government Departments / Public Sector  
Undertakings / Boards / Autonomous Bodies –  
Goods certified by CETL, Kakkalur – Request to utilise  
the services of CETL, Kakkalur - reg.

Ref G.O Ms.No.64 MSME (G) Dept. dt.05.10.2020

>>><<<

Greetings from Central Electrical Testing Laboratory (CETL) !!!

CETL is a State owned laboratory functioning under the  
Commissionerate of Industries and Commerce, MSME Department,  
Government of Tamil Nadu situated at Kakkalur in Tiruvallur District rendering  
service in the field of testing of variety of electrical Products as per Indian  
Standards (IS) Specifications.

The testing service of CETL is accredited by the National Accreditation  
Board for Testing and Calibration Laboratories (NABL) & recognized by the  
Bureau of Indian Standards (BIS). The status of accreditation & recognition are  
being maintained for more-than two decades.

CETL's client circle includes MSMEs, Top brand Manufactures,  
Branches of BIS, Central and State Government Departments / Corporations /  
Boards implementing Housing and Infra-Structure Projects all over India.

As CETL is accredited / Government laboratory, test reports issued are  
widely accepted by the stakeholders, in particular for tender participation.





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**CETL**

In this connection, it is informed that the Government of Tamil Nadu have issued orders that,

"..... the Central Electrical Testing Laboratory, Kakkalur will act as the main sampling and certification agency for various Government Departments / Quasi Government Departments and Corporations / Boards for their purchase of electrical goods from private industries on payment of nominal fee so as to ensure that the suppliers supply only quality products and that the Central Electrical Testing Laboratory, Kakkalur acts as a quality consultant for the purchasing departments.

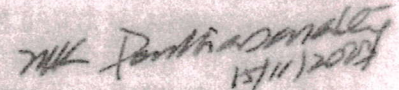
The Heads of Departments are requested to ensure that only the electrical goods and accessories certified by the Central Electrical Testing Laboratory, Kakkalur purchased from the suppliers for their departmental use."

The above orders were reiterated again in G.O.Ms.No.64 MSME (G) Dept. dt.05.10.2020.

A copy of G.O.Ms.No.64 MSME (G) Dept. dt.05.10.2020 (**Annexure-A**) along with brochure highlighting the facilities of this laboratory (**Annexure-B**) are furnished herewith with a request to kindly to take up with the Departments / Organisations under your control to utilise the testing services of this laboratory to ensure the consistency of Quality, Safety and Performance of the electrical goods purchased for implementing Housing and other infra-Structure projects in your State.

I solicit your esteemed co-operation in this regard.

With regards

  
(NVK PARTHASARATHY)  
Head of CETL

Encl. Annexure A & B

Copy submitted to  
The Industries Commissioner and  
Director of Industries and Commerce,  
(EL Section), Guindy, Chennai- 32

..... for kind information.



ANNEXURE - A



**ABSTRACT**

Micro, Small and Medium Enterprises Department - Purchase of electrical goods by Government Departments / Public Sector Undertakings / Boards / Autonomous Bodies - Testing by Central Electrical Testing Laboratory, Kakkalur - Instructions - Reiterated - Orders issued.

**Micro, Small and Medium Enterprises (G) Department**

**G.O (Ms) No.64**

**Dated: 05.10.2020**

சார்வரி வருடம் புரட்டாசி - 19

திருவள்ளூர் ஆண்டு 2051

**Read:-**

1. G.O. (Ms). No. 850, Industries (Spl.) Department, dated, 15.6.1974.
2. G.O. (Ms). No. 712, Industries Department, dated, 6.6.81.
3. G.O. (2D) No.2, Small Industries (EIII) Department, dated, 11.1.2000.
4. From the Deputy Director (Electrical & Electronics), Central Electrical Testing Laboratory (CETL), Kakkalur letter No.724/A2/2019, dated 27.02.2020.
5. From the Industries Commissioner and Director of Industries and Commerce Letter Rc.No. 7124 /EL1/ 2020, dated 08.07.2020.

.....

**ORDER**

In the Government Order first read above, orders have been issued that the Central Electrical Testing Laboratory (CETL), Kakkalur would act as the main sampling and inspection agency for the Government Departments / Quasi Government



Departments and Corporations / Boards for their purchase of electrical goods and accessories from Private Industries so as to ensure that the suppliers supply only quality products and that the Central Electrical Testing Laboratory (CETL), Kakkalur acts as a quality consultant for the purchasing Departments. Instructions have also been issued to Heads of Departments to ensure that only the electrical goods and accessories certified by the Central Electrical Testing Laboratory (CETL), Kakkalur are purchased from the suppliers for their Departmental use.

2. In the Government Order second read above, these instructions have been reiterated and all the Heads of Departments / Boards etc., have been requested again to make full use of the Central Electrical Testing Laboratory (CETL), Kakkalur for testing the quality of the electrical goods and appliances etc., purchased for departmental use.

3. In the Government Order third read above, reiterate the instructions stated in the Government Order first and second above once again, the *Heads of Departments / Public Sector Undertakings / Boards / Autonomous Bodies* are once again requested to ensure that only the electrical goods and accessories certified by the Central Electrical Testing Laboratory, Kakkalur are purchased from the suppliers for their departmental use. Instructions have also been issued to the Unit / Subordinate Officers who are authorised to make purchases in this regard."

4. In the letter fourth read above, the Deputy Director (Electrical & Electronics), Central Electrical Testing Laboratory (CETL), Kakkalur has informed that no samples (with exception of rare cases) pertaining to Government projects / purchases are being received by Central Electrical Testing Laboratory (CETL), Kakkalur. It is observed that the established facilities and expertise available at Central Electrical Testing Laboratory (CETL), Kakkalur is not being made use of in spite of instructions issued by the Government for utilizing the State facilities for testing of electrical products .

5. In the letter fifth read above, the Industries Commissioner and Director of Industries and Commerce has brought to the notice of the Government that the instructions issued in this regard are not strictly adhered to by the Government Departments / Public Sector Undertakings / Boards etc.,



6. The Government reiterate the above instructions once again. The Heads of Departments / Public Sector Undertakings / Boards / Autonomous Bodies are once again requested to ensure that the electrical goods and accessories certified by the Central Electrical Testing Laboratory (CETL), Kakkalur are purchased from the suppliers for their departmental use. Suitable instructions may be issued to Unit / Subordinate Officers who are authorised to make purchases in this regard.

(BY ORDER OF THE GOVERNOR)

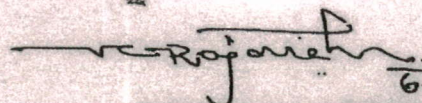
Dr. K.GOPAL  
PRINCIPAL SECRETARY TO GOVERNMENT (FAC)

To  
✓ The Industries Commissioner and  
Director of Industries and Commerce,  
SIDCO Corporate Office Building,  
Thiru Vi.ka. Industrial Estate,  
Guindy, Chennai-600 032.  
The Member Secretary,  
State Planning Commission,  
Ezhilagam, Chepauk, Chennai.5.

**Copy to**

The Planning Development and Special Initiatives (SP-II)  
Department, Secretariat, Chennai.9.  
The Senior Private Secretary to  
Principal Secretary to Government (FAC),  
Micro, Small and Medium Enterprises Department, Chennai.9.  
The Personal Assistant to Joint Secretary to Government,  
Micro, Small and Medium Enterprises Department, Chennai.9.  
The Micro, Small and Medium Enterprises (B /OP) Department,  
Chennai.9.  
Stock file / Spare copy.

(FORWARDED BY ORDER)

  
6.10.2020  
SECTION OFFICER  
HNS  
6.10.2020



6. The Government will also instruct once again the Heads of Departments / Public Sector Undertakings / Boards / Corporations to ensure that the electrical goods and accessories certified by the Central Electrical Testing Laboratory (CETL) are not purchased from the suppliers for their departmental use. Suppliers' instructions may be issued to the Suppliers who are authorized to make purchases in this regard.

(BY ORDER OF THE GOVERNOR)

DEPARTMENT

PRINCIPAL SECRETARY TO GOVERNMENT (PAG)

The Industries Commissioner and  
in charge of Industries and Commerce,  
CETL, Corporation Office Building,  
1st Floor, 1st Industrial Estate,  
Gurgaon, Haryana-122002  
The Member Secretary,  
State Planning Commission,  
Chandigarh, Chandigarh, Chandigarh.

Copy to  
The Planning Development and Special Initiatives (PD-11)  
Department, Chandigarh, Chandigarh  
The State Private Secretary to  
Principal Secretary to Government (PAG),  
Ministry of Industries and Commerce Department, Chandigarh  
The Personal Assistant to Joint Secretary to Government,  
Ministry of Industries and Commerce Department, Chandigarh  
The Joint Secretary and Medium Enterprises Department,  
Chandigarh

Encl: 12

(FORWARDED BY ORDER)

SECTION OFFICER





**CETL**

# **CENTRAL ELECTRICAL TESTING LABORATORY**

An NABL Accredited & BIS Recognized Laboratory

**COMMISSIONERATE OF INDUSTRIES AND COMMERCE  
MICRO SMALL AND MEDIUM ENTERPRISES DEPARTMENT  
GOVERNMENT OF TAMIL NADU  
KAKKALUR, TIRUVALLUR DISTRICT**

- Committed to provide quality testing service -
- Accredited by the NABL for 32 electrical products -
- Recognized by BIS -

## **TEST FACILITIES FOR**

**CABLES  
&  
CONDUCTORS**

**DOMESTIC  
ELECTRICAL  
APPLIANCES**

**LAMPS  
&  
LUMINAIRES**

**WIRING  
ACCESSORIES**

## **HIGHLIGHTS !!!**

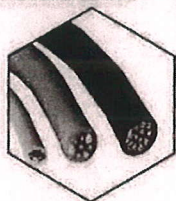
- ▶▶ AFFORDABLE TEST CHARGES
- ▶▶ OPTION AVAILABLE TO WITNESS THE TESTS
- ▶▶ PRODUCT DEVELOPMENT TESTS FOR MSMEs
- ▶▶ ONLINE APPLICATION & PAYMENT THROUGH WEB-PORTAL
- ▶▶ QUALITY CONSULTANT FOR TN STATE GOVERNMENT PURCHASES
- ▶▶ ALL REPEAT CUSTOMERS CAN ENJOY 10% DISCOUNT FOR MORE THAN ONCE IN A YEAR



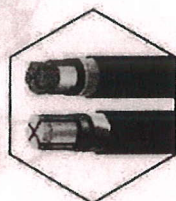
## CABLES & CONDUCTORS



PVC Insulated Cable  
[ IS 694:2010 ]



PVC Insulated  
(Heavy Duty) Cable  
[ IS 1554- P1 : 1988 ]



XLPE Insulated Cable  
[ IS 7098- P1 : 1988 ]

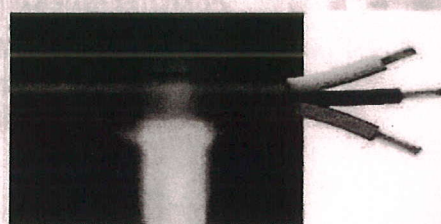


Motor Vehicle Cable  
[ IS 2465:1984 ]

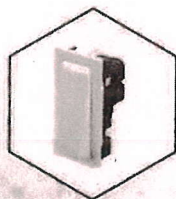
**NEW !!!**

**FR-LSH (Flame Retardant, Low Smoke Low Halogen) Test on Cables !!!**

- ▶▶ Oxygen index test
- ▶▶ Test for temperature index
- ▶▶ Test for halogen acid gas evaluation
- ▶▶ Test for smoke density rating
- ▶▶ Flame Retardant test on Single & Bunched Cables (Ladder Flammability test)



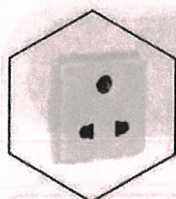
## WIRING ACCESSORIES



Switches  
[ IS 3854:1997 ]



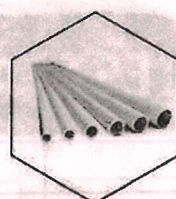
Plugs & Socket Outlets  
[ IS 1293:2019 ]



Ceiling Rose  
[ IS 371:1999 ]



Conduit Pipe  
[ IS 9537-P3:1983 ]



Insulation Tape  
[ IS 7809-3-1:1986 ]

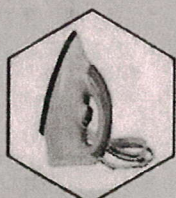


Cotton Tape  
[ IS 2488-1:1963 ]

**NEW !!!**

**INSULATING MATS for Electrical Purposes as per IS 15652:2006 !!!**

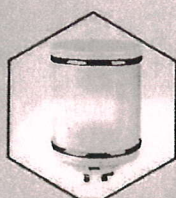
## DOMESTIC ELECTRICAL APPLIANCES



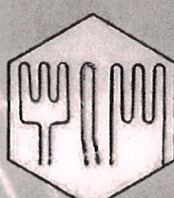
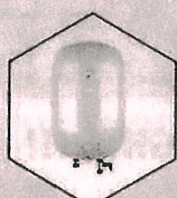
Electric Iron  
[ IS 366:1991 ]



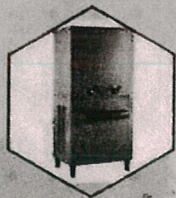
Rice Cooker  
[ IS 302-2-15 : 2009 ]



Water Heaters  
(Storage / Instantaneous/ Immersion)  
[ IS 2082:2018 / IS 8978:1992 / IS 368:2014 ]



Heating Element  
[ IS 4159 : 2021 ]



Water Cooler  
[ IS 1475-1:2001 ]



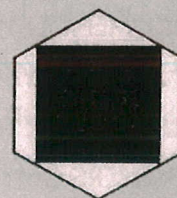
Ceiling Fan  
[ IS 374:2019 ]



Table Fan  
[ IS 555:1979 ]



Food Mixer  
[ IS 4250:1980 ]



Electronic Clocks  
[ IS 302 - 2 - 26 :2014 ]



Adaptors  
[ IS 302 -1 : 2008 ]



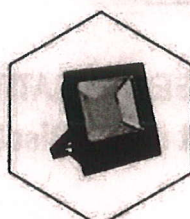
## LAMPS & LUMINAIRES



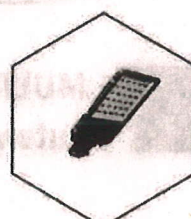
HPSV Lamp  
[ IS 9974-1:1981 ]



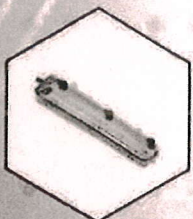
Self Ballasted LED Lamp  
[ IS 16102-1 : 2012 &  
16102 -2 :2017 ]  
(Except EMI/EMC)



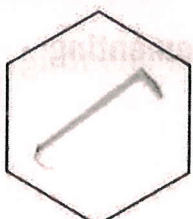
Flood Light  
[ IS 10322-5-5:2013 ]



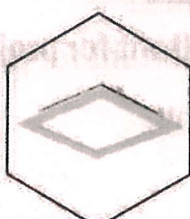
LED Street Light  
[ IS 16107-2-2:2017  
& 10322-5-3:2012 ]



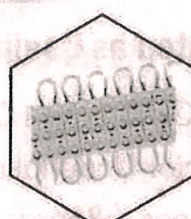
Fixed Luminaire  
[ IS 10322-5-1:2012 ]



LED Fitting  
[ IS 16107-2-1:2012 ]



Recessed Luminaire  
[ IS 10322-5-2:2012 ]



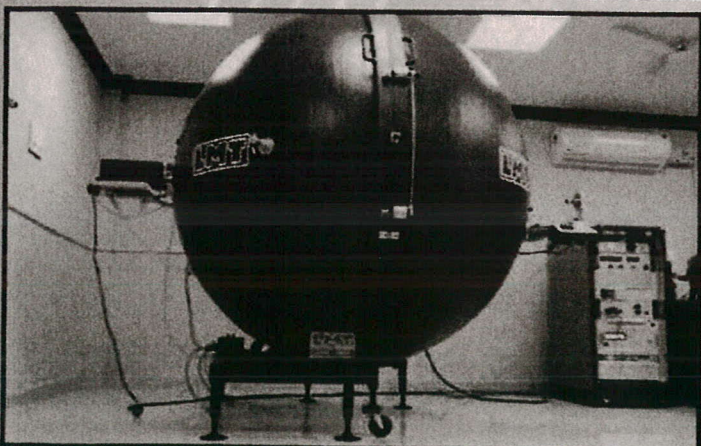
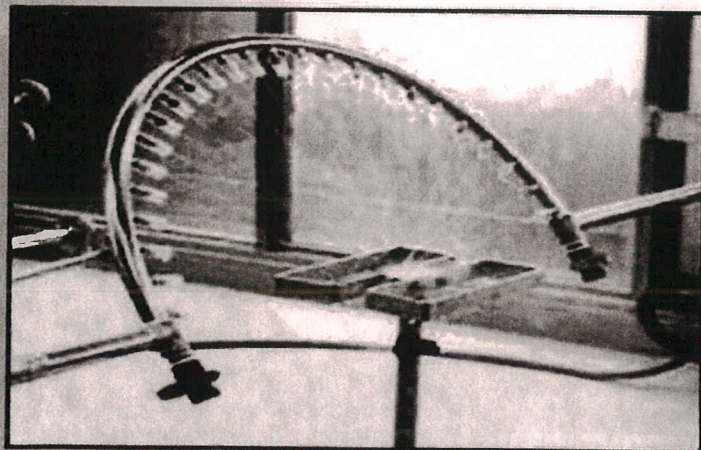
LED Module  
[ IS 16103-1:2012 & 16103-2:2012 ]  
(Except EMI/EMC)

**NEW !!!**

**LM 79 ---- Electrical & Photometric parameters of LED Products !!!**

**Ingress Protection Test (SOLID) ---- IP 5X & 6X !!!**

**Ingress Protection Test (LIQUID) ---- IP X1 to X8 !!!**





## DRY BATTERIES

**NEW !!!**

**MULTIPURPOSE DRY BATTERIES as per IS 8144 : 2018 with fully automated set up for Discharge tests !!!**

## QUALITY CONSULTANT

**CETL appointed as Quality consultant for project implementing**

- ▶▶ TN State Government Departments
- ▶▶ Public Sector Undertakings
- ▶▶ Corporations / Boards
- ▶▶ Autonomous Bodies

## CLIENTELE

- ▶▶ All Branches of BIS
- ▶▶ Central & State Government Departments
- ▶▶ Quasi Government / Corporations / Boards
- ▶▶ Leading Brand Manufacturers
- ▶▶ QCO implementing Authorities
- ▶▶ MSMEs



## CONTACT US

The Deputy Director (E&E)  
Central Electrical Testing Laboratory  
Kakkalur, Tiruvallur District  
Pin Code - 602 003  
Tamil Nadu

Phone : 044-2766 0302 / 0384  
Email : [cetl.customercare@gmail.com](mailto:cetl.customercare@gmail.com)  
Website : [www.cetl.tn.gov.in](http://www.cetl.tn.gov.in)