

HARYANA ELECTRICITY REGULATORY COMMISSION  
BAYS NO. 33-36, SECTOR 4, PANCHKULA

Registered

From

The Secretary,  
Haryana Electricity Regulatory Commission,  
Panchkula

To

M/s Yadav Measurements Pvt. Ltd.,  
P.O 169, Plot No. 19-20, Haridasji Ki Margi,  
Near Hotel Trident,  
Udaipur, Rajsthan,  
Pin-313001

BRPL Laboratory, New Delhi  
Substation No. 15, Sector - 7, Pushp Vihar,  
New Delhi

BYPL Laboratory,  
Near LSC Market Savita Vihar,  
New Delhi

Testing and Calibration Laboratory, Secure Meters Limited,  
Village Bated, Haripur Road, Barotiwala, Distt.  
Solan, Bated,  
Solan, H.P  
Pin - 174103

Memo No. 553-56 /HERC/ T-155 (Third Party Meter Testing)

Dated:- 25.5.2009

**Subject:** Empanelment with the Commission for carrying out independent third-party meter testing.

Sir,

National Electricity policy issued by GOI under the provisions of EA, 2003 states under Para 5.4.9 that the SERCs should put in place independent third-party meter testing arrangements.

I am directed to inform you that the Commission has decided to empanel the NABL accredited firms for independent third-party meter testing. Since your Lab has been accredited by NABL for the testing and calibration of energy meters, you are requested to send your application for empanelment with the Commission for carrying out meter testing as per applicable Indian Standards and in accordance with the requirements of the CEA (Installation & Operation of meters) Regulation, 2006. You are further requested to quote your testing charges also.

  
Secretary,  
HERC

PUNJAB STATE ELECTRICITY REGULATORY COMMISSION  
SCO 220-221, SECTOR 34-A, CHANDIGARH

To

Chairman cum Managing Director,  
Punjab State Power Corporation Limited,  
The Mall,  
Patiala.

No PSERC/Tariff/T/146/2439.

Dated. 17-06-13.

**Subject: Independent Third Party Meter Testing Arrangements**

As per para 5.4.9 of the National Electricity Policy, 2005 notified by Ministry of Power, Govt. of India, the SERCs should put in place independent third party meter testing arrangements.

The Commission has approved the following meter testing laboratories which are accredited with National Accreditation Board for Testing and Calibration (NABL) for third party testing of energy meters. More laboratories accredited by National Accreditation Board for Testing and Calibration (NABL) for third party testing of energy meters, in future, may be added to this list.

Diary No. 839  
Dated 27/6/13  
PS/DIC

1. Electronics Test and Development Centre, 100 Feet Road, Peenya Industrial Area, Bangalore Urban-560058, Karnataka. Telephone No. 080-28395992, 28394647, Fax No. 080-28391804, email [etdcbq@stqc.nic.in](mailto:etdcbq@stqc.nic.in)
2. Electronics Regional Test Laboratory (East), STQC Directorate, D N Block, Sector V, Salt Lake City Kolkata 700 091, WEST BENGAL, INDIA Tel No. : 033-23672366 Fax No. : 033-23679472 email [sdhar@ertleast.org](mailto:sdhar@ertleast.org)
3. Yadav Measurements Private Limited, Plot No.373-375, RIICO Bhamashah Industrial Area, Kaladwas, Post Box No.169, Udaipur, Rajasthan. Telephone No. 9928331773, 9414168477, Fax No.294-2650129, email [yadav.measurements@ymilabs.com](mailto:yadav.measurements@ymilabs.com)
4. Central Electronics Centre, IIT – Madras, Chennai-600034, Telephone No.044-22574946, 8426/27/28, 9444021649.

5. Hi-tech Meter Laboratory, UGVCL Uttar Gujarat Vij Company Limited, Near Railway Over Bridge, Sabarmati, Ahmadabad (Gujarat). Telephone No.079-27500981, 9925213253, Fax No 079-2750649. email [Sectu@ugvcl.com](mailto:Sectu@ugvcl.com), [Hightechlab@ugvcl.com](mailto:Hightechlab@ugvcl.com)
6. Hi Physix Laboratory India Private Limited, A-79, NIDC Industrial Area, Ranjagaon Pune-412210 (Maharashtra). Telephone No 911177231. email [hpindia@ymail.com](mailto:hpindia@ymail.com)

The consumer may decide himself and approach any of the said laboratories as per his convenience and choice for third party testing of his meter, if required by him. The names and addresses of these laboratories may be circulated through public notice and placed on your website.

Further, it is directed to initiate the process of accreditation of PSPCI's own laboratories from NABL

  
SECRETARY

**Sikkim Electricity Regulatory Commission**  
**P.O-Tadong, Gangtok, Sikkim - 737101**

**In the matter of:** Notification of Third Party Independent Meter Testing Agency for Tampered Meter under Sikkim State Electricity Regulatory Commission (Supply Code) Regulations, 2012.

**Order**

**(Date of Order: 23.01.2023)**

In exercise of the powers conferred by Regulations 7.4 and 7.5 of *Sikkim State Electricity Regulatory Commission (Supply Code) Regulations, 2012*, the Commission hereby notifies various NABL/BIS accredited Meter Testing Laboratories for testing in case of suspected tampered meter and its charges thereof.

**1. NABL/BIS accredited Meter Testing Laboratories**

Sr. No.	Name of the Laboratories	Contact Person and Address of the Laboratories
1.	M/s Yadav Measurements Private Limited (YMPL)	Mr. Ambrish Singh (Manager- Marketing) Plot No. 373-375, RIICO Bhamashah Industrial Area, Kaladwas, Udaipur, Rajasthan, India - 313003. <b>Mobile No. 73400 62605</b> <b>Phone: +91-294-2650127/128</b> <b>Fax: +91-294-2650129</b> <b>Email: ambrish.singh@yadavmeasurements.com</b>
2.	M/s Oorja Technical Services Pvt Limited (OTSPL)	Mr. Kuldeep Gautam (Manager- Electrical) 501 Blok, MS1-A, New Siyaganj Opposite Mall Godown Road, Indore- 452001, MP- India <b>Phone: +91-9770 504665/9252578497</b> <b>Email: Pesales@oorjatechnical.com</b>

**2. Charges for Testing**

The Testing Charges in case of suspected tampered meter are mentioned below.

Sl.No	Name of Testing Laboratory	Testing Charges as per Annexure
1.	M/s Yadav Measurements Private Limited	Annexure-I (For both YMPL & OTSPL)
2.	M/s Oorja Technical Services Pvt Limited (OTSPL)	

**3. Protocol/ Guidelines**

- (1) The Distribution Licensee shall remove the meter from site/consumer's premises and seal it in the presence of the consumer or his representative in a container affixing thereon paper seals which shall be signed by both the parties. The Distribution Licensee shall prepare a seizure memo at the

*Certified*  
*Rupakshya*

time of removal of meter, duly signed by their representative and consumer, indicating following details:

- i) C.A. No.
  - ii) Registered Consumer Name
  - iii) Meter No.
  - iv) Meter Type
  - v) Container Seal No.
  - vi) Container no.
  - vii) Date of removal
  - viii) Physical status of the meter/ meter box as applicable
  - ix) Licensee's authorized person details including mobile no. & e-mail.
  - x) Seizure memo no.
  - xi) any other relevant information
- (2) The Distribution Licensee shall send meter sealed in the container as above along with the seizure memo to the laboratory within 3 (three) days of removal of meter.
- (3) The Distribution Licensee shall fill the Service Request Form, as provided by the laboratories, and deposit the same to the laboratory along with the sealed meter.
- (4) The Distribution Licensee shall indicate the specific parameters to be tested.
- (5) The Meter Testing Laboratories on receipt of the meter/ meter in meter box, sealed in the container along with the seizure memo & Service Request Form shall acknowledge the receipt after verifying the following details:
- i) Intact Condition of the Container
  - ii) Intact Condition of Container seal
  - iii) Container Seal No.
- (6) The Distribution Licensee shall schedule a date and time for testing of meter in consultation with Meter Testing Laboratories and shall give prior notice to the consumer regarding the procedure for testing of meter as per Sikkim State Electricity Regulatory Commission (Electricity Supply Code) Regulations, 2012 as amended from time to time.
- (7) It shall be the responsibility of the Distribution Licensee to collect the Meter Test Report from Meter Testing Laboratories on the intimated date and provide a copy to the consumer also.
- (8) In case any laboratory has meter manufacturing facility directly or through its sister concern then the laboratory shall not test the meters manufactured by it or by its sister concern.

**4. Date of applicability of the Order:**

This Order shall be applicable with immediate effect and shall remain in force till further orders.

*Certified*  
*Reprakash*

DIRECTOR (T&T)  
SIKKIM STATE ELECTRICITY  
REGULATORY COMMISSION  
GANGTOK, SIKKIM

Sd/-  
(K.B.Kunwar)  
Chairperson

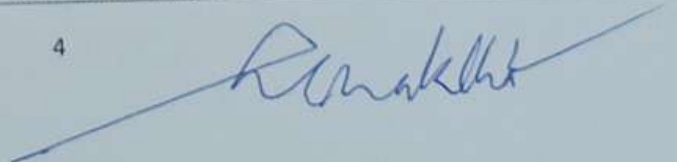
### Annexure-I

Testing/calibration charges for the items mentioned below: -

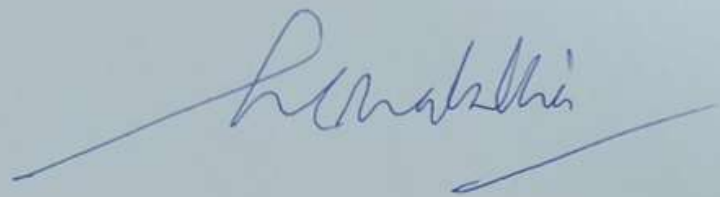
SL .No.	Item	Qty	Applicable Test/Nomenclature	Applicable Charges  ₹ (Rs)
1	<p>Energy Meter ( Suspected) 1 Or 3 ph , as per DERC &amp; Discoms of Delhi requirements , NO NABL</p> <p><b>(NOTE: 1. Software used for reading/downloading data also required 2. Interface cable 3. Procedure to open the ultra-sonic welded meter with demo )</b></p>	1	<p><b>Physical/Visual Observation:</b> 1. Condition of Meter box with respect to : i) Breakage/break-open on box, ii) Scratch mark on meter box iii) Hole on meter box hinges &amp; meter box back side iv) Adhesive on hinges v) Cut on Meter box glands vi) Breakage/open of meter box glands vii) Meter box seals conditions: burnts/tempered/re-fixed viii) Any extra hole in meter box</p>	1000.00
			<p><b>Condition of Meter w.r.to :</b> i) Seal status ( Plastic &amp; Hologram) ii) Push button/push button seal status iii) Scratch mark on terminal block &amp; meter body iv) Meter ultrasonic welding status v) Meter body condition: re-fixed/tampered vi) Glue marks on terminal block &amp; on meter body vii) external damage or hole/cut marks in the meter body vii) Terminal cover &amp; screw status ix) burnt ( External or internal burnt/Terminal burnt/Totally burnt) x) Burn marks on meter display LCD xi) Any foreign material added externally (Patch work), gadget/ESD devices/EHV device xii) Meter bypassed xiii) Cavity formation in input terminal xiv) Abnormal burnt condition xv) Status of meter terminal block in case of completely/partially burnt meters</p>	1500.00

*Ranveer*

		<p><b>Condition of CT unit with respect to (in case of poly phase meter) :</b></p> <p>i) Patch Marks on resin cast of CT unit  ii) Different colour shades on CT unit iii) S.No. Mismatched between nameplates on CT &amp; CT Box  iv) S.no. of Sticker refixed / repasted v) Phase indication stickers refixed / repasted  vi) Embossing marks not proper  vii) CT ration testing  viii) Status &amp; physical condition of PINS in Resin cast CT  ix) Phase association of Resin cast current &amp; Potential PINS</p>	2000.00
2		<p><b>Functional Test :</b></p> <p>Following test shall be carried out on the meter on application of rated voltage &amp; basic current:</p> <p>i) Display/LCD Status  ii) Pulse LED Status  iii) SI.No. &amp; RTC ( date &amp; Time) status, if displayed on LCD panel</p>	700.00
3		<p><b>Accuracy Test:</b></p> <p><b>i) For Single Phase Meter :</b> Single phase meter shall be tested at rated voltage &amp; basic current :</p> <p>1) At UPF under Normal mode ( Phase CT)  2) At 0.5 Lag under Normal mode ( Phase CT)  3) At UPF under Normal mode ( Neutral CT)</p> <p><b>ii) For three Phase meter :</b> Three phase meters shall be tested at rated voltage &amp; basic current :</p> <p>1) Accuracy at balanced load  Three phase voltage with single phase load ( i.e Rph, Yph &amp; Bph load individually)</p> <p><b>Note: a) For LTCT Meter, meter will be tested with &amp; without CT arrangement and HT meter will be tested without CT &amp; PT arrangement.</b>  <b>b) In case accuracy test could not be performed, reason should be mentioned.</b></p>	1500.00  OR  3000.00
4		<p><b>Meter Data Download:</b></p> <p>i) The following observations during meter data download shall be reported:</p> <p>1) Meter SI. No.  2) Meter RTC Status  3) KWH/KVAH reading  4) KW/KVA/MD  5) Event report recorded or downloaded</p> <p>ii) Downloaded data shall be checked for :</p> <p>1) Daily energy history for previous 65 days  2) Status of MD history along with MD date for past six months (if MD history is not logged for any month then status of meter mains power availability to be reported) al power off etc.  Flags recorded in the data during last 12 months</p>	700.00



5		<b>Physical /Visual observation (internally after removing the cover of meter) :</b> i) Meter internal condition: burnt/tampered ii) Status of PCB: burnt/tampered /scratch marks iii) Meter bypassed inside the meter iv) Cut marks v) Meter cut from back side vi) Glue marks found on the periphery of meter vii) Some foreign material (Resistor/Capacitor/Chip Resistor/Diode/PCB/Magnetic switch) found connected) viii) Re-Soldering/rework found on PCB ix) Meter number plat found re-fixed x) Meter number sticker found changed Path on PCB found shorted	1200.00
		Xi) Photo Print : Lab shall take photograph of internal parts of meter such that meter no. & any other abnormality as given above is captured.	300.00
		xii) Witness: per person per day : 3rd part only	500.00
6	GST as applicable shall be extra on item SI.No 1 to 6		





No. MMD/NSC/Q.Insp./18756

Date: 13.08.2021

**WORK ORDER**  
**BY R.P.A.D./ E-mail**

To,  
M/s.Yadav Measurements Pvt. Ltd.,  
Plot No.373-375,RIICO  
Bhamashah Industrial Area,  
Kaladwas, Udaipur-313003,  
Rajasthan, India  
[Telephone No.+91-294-2650127/128]

**Sub:-** Biennial Rate contract for carrying out various tests as per IS: 13779:1999  
[amended upto date ] on Single Phase and Three Phase Energy Meters  
received at various stores in MSEDCL.

**Ref:-** 1] This office Biennial Rate Contract MMC/L-55/E-NSC-01/0120/14699  
dt: 09.09.2020.  
2] Addl.EE/ M.M. S/KLN/NTL/Meter/QT/168 dtd: 15.07.2021

Dear sir,

1.0 With reference to above subject, it is requested to carry out following tests on the sample meters of **LTAC static Single Phase 05-30A energy meters** drawn from the meters supplied by following supplier. Whenever values of parameters specified in specification are higher / better than that in the IS, then values of parameters specified in the specification shall prevail and shall be considered for evaluation of the meter.

- i) All type tests as per **IS 13779:1999**.
- ii) Additional acceptance tests as per MSEDCL tender specification.
  - a) Tests as per **cl. no.19.01, 19.02**.
  - b) Anti -Tamper Features as per **cl. no. 10.01 to 10.08**.
  - c) Additional Acceptance Tests as per **cl. no. 19.03 (A)**.

2.0 The Addl. Executive Engineer ["M.M.Section"], M.S.E.D.C.L., Kalyan (E) Division had submitted the meter samples drawn for quality inspection vide letter under ref(2).

3.0 The details are as follow:

Sr. No.	Name of supplier	A/T No. and Date	DI No. and date	Name of selected Stores	Meter No.
1.	M/s. HPL Electric & Power Pvt.Ltd.,Gurgaon-122001	MMC/L-88/T-NSC-02/0520/3465 dtd:10.02.2021	MMC/L-88/T-NSC-02/0520/6682 Dtd.22.03.2021	Common Store Mulsi	Set-1 43299919 43299918 43299920 Set- 2 43364913 43364914 43364915

It is requested to allow the representative of supplier to witness the type tests for the above meters.

#### 4.0 Bill Submission:

The Executive Engineer [Kalyan (East) "M.M.Section"], will co-ordinate with you and with all offices and consignees. You should submit your bills for testing of sample meters in triplicate along-with advance stamped receipt and original copies of test reports to The Addl. Executive Engineer [Kalyan (East) "M.M.Section"], MSEDCL, Netivali Yard, Kalyan Zone, Near TATA Power House, MIDC Phase-1, Kalyan-Dombivali Road, Kalyan-421201 for certification, recording and measurement.

Thanking you,

Yours faithfully,

  
Chief Engineer [MMD]

Encl: Tender Specification-MMC/T-NSC-02/0520

Copy f.w.c. to :

- 1) C.E. (O&M) Zone, MSEDCL, Kalyan / Pune.

Copy to:

- 1) Dy. Manager, (F&A) (SB) M.S.E.D.C.L., "Prakashgad" Bandra [East] Mumbai-51.
- 2) The Addl. E. E. [Kalyan (East) "M.M.Section"], MSEDCL.
- 3) Addl. E.E., MM, (Zone Office), MSEDCL, Kalyan /Pune.
- 4) **M/s. HPL Electric & Power Pvt.Ltd.,Gurgaon-122001,Haryana**
  - They should witness the testing at **M/s. YMPL, Udaipur** by maintaining co-ordination with the laboratory & no further intimation regarding the witness / commencement of testing etc. will be given by MSEDCL. If your representative fails to witness the sample testing, the same will be carried out in your absence and the result of the testing will be final and binding upon you.



## **TAMIL NADU ELECTRICITY REGULATORY COMMISSION**

4<sup>th</sup> Floor, SIDCO Corporate Office building,

Thiru.Vi.Ka Industrial Estate, Guindy, Chennai - 600 032.

Phone Nos : ++91-044-2953 5806 / 2953 5816 Fax : ++91-044-2953 5893

Email: [tnerc@nic.in](mailto:tnerc@nic.in)

Website: [www.tnerc.gov.in](http://www.tnerc.gov.in)

### **NOTIFICATION OF APPROVED THIRD PARTY ENERGY METER TESTING LABORATORIES**

#### **Proceeding No. 431 TNERC/TPT Lab /2024 dated 28.03.2024**

Sub.: Empanelment of approved third party energy meter testing laboratories – Updated list – Notified.

- Ref.: 1. Proceeding No. 571/TNERC/TPT Lab/2023 dated 03.05.2023.  
2. Proceeding No. 595/TNERC/TPT Lab/2023 dated 09.05.2023.  
3. Proceeding No. 789/TNERC/TPT Lab/2023 dated 16.06.2023.

In continuation of the proceedings cited, the Tamil Nadu Electricity Regulatory Commission in exercise of powers conferred under provision 5.4.9 of the National Electricity Policy, 2005, and in accordance with the Rule 5(11) of the Electricity (Rights of Consumer) Rules, 2020 as amended, hereby approves the following updated list of third party testing agencies accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) for the purpose of challenge test of the disputed meters.

<b>Sl. No</b>	<b>Name of the Laboratory</b>	<b>Contact person and address of the Laboratory</b>	<b>Validity of NABL certificate</b>
1	TANGEDCO Meter & CTPT Testing Laboratory, Chennai -600005	Executive Engineer / R&D, TANGEDCO, No.129, Wallajah Road, Chennai-05. Mobile : 9499055140 e-mail: <a href="mailto:eenabhq@tnebnet.org">eenabhq@tnebnet.org</a>	Till 05.09.2024

Sl. No	Name of the Laboratory	Contact person and address of the Laboratory	Validity of NABL certificate
2	TANGEDCO Mobile Testing Laboratory, Tirunelveli- 627011	Executive Engineer / R&D, TANGEDCO, Mobile testing laboratory, EE / Rural Office Campus, Sivanthipatti Road, Tirunelveli- 627011. Mobile : 9499055090 e-mail: eenabltin@tnebn.org	Till 10.10.2024
3	Government Electrical Standards Laboratory, Thiru Vi Ka Industrial Estate, Guindy, Chennai- 600 032.	M/s. Govt. Electrical Standards Laboratory, Thiru Vi Ka Industrial Estate Guindy, Chennai- 600 032. Ph:044-2250 0184, 2250 0227 e-mail:ceig@tn.nic.in	Till 30.01.2025
4	M/s.Sinewaves, Chennai-600008	Thiru.K.Ananda raman, 7th Floor, Room No. 712, A Block, Shivalaya Building, Ethiraj Salai, Egmore, Chennai-600008. Mobile: 9840217054. e-mail: sinewaves.india@yahoo.com.	Till 27.08.2024
5	M/s.Measurematic India, Tirunelveli-627011	Thiru.K.Raja, Technical Manager, No.9, 14th Cross Street, Maharaja nagar, Palayamkottai, Tirunelveli-627011. Mobile : 7708012501 e-mail:measurematicindia@gmail.com	Till 09.05.2025
6	M/s. Global EPC India Private Limited, Chennai.	Thiru.D.Jayaraj, Head of Laboratory & Quality Manager, M/s. Global EPC India Pvt. Ltd., No.5,Piramotheutha, Sterling Pradhan, Ponniamman nagar, MGR Salai, Rajankuppam Road, Ayanampakkam, Chennai- 600095. Contact No. 8903476163 e-mail:globalepcindia@gmail.com	Till 16.07.2024

<b>Sl. No</b>	<b>Name of the Laboratory</b>	<b>Contact person and address of the Laboratory</b>	<b>Validity of NABL certificate</b>
7	M/s. Signals & Systems India Private Limited, Chennai - 603 103	M/s. Signals & Systems India Private Limited, 15/D19, 3rd main road, SIPCOT IT Park, Siruseri, Chennai- 603 103. Mobile: 9344078275 e-mail:Testlab@SandSindia.com	Till 11.07.2024
8	M/s. Krounos innoteck, Chennai- 600 069	M/s. Krounos innoteck, (Authorised representative of M/s. Yadhav measurements Pvt Ltd., Udaipur, Rajasthan) Plot No.4, Santhosh Avenue Annex, Metha Nagar, Kundrathur, Chennai- 600 069. Mobile: 9620113200 e-mail: krounos.innoteck @gmail. com	Till 13.10.2025

2. The above approval of the enlisted laboratories shall be valid till expiry of the NABL certificate as mentioned against each testing agency.
3. The Commission would consider further extension of approval beyond the expiry of the present validity subject to submission of necessary request by the respective agencies with renewal of NABL certificate for further period.
4. The testing of disputed energy meter at third party testing agencies shall be as elaborated in sub-regulation 7(9) of the Tamil Nadu Electricity Supply Code.

5. The Licensee shall make the list of third party agencies approved by the Commission available to the public in their various offices as well as on their websites.



**Secretary,  
Tamil Nadu Electricity Regulatory Commission**

To  
The Chairman and Managing Director/TANGEDCO  
144,Anna Salai, Chennai – 600 002.

The Chairman,TANTRANSCO,  
144,Anna Salai, Chennai – 600 002.

Copy to the MD/TANTRANSCO.  
Copy to the Director Distribution/TANGEDCO.  
Copy to the CE/Commercial/TANGEDCO/Chennai.

Copy to the empanelled laboratories –



## Delhi Electricity Regulatory Commission

ViniyamakBhavan, C-Block, Shivalik, Malviya Nagar, New Delhi – 110 017

F.17(174)/DERC/Engg./DERC/2017-18/5856

**In the matter of:** Notification of Laboratory for Testing of Tampered Meter under Delhi Electricity Regulatory Commission (Supply Code and Performance Standards) Regulations, 2017

### Order

**(Date of Order: 06.12.2021)**

In exercise of the powers conferred by Regulation 32(8) of *Delhi Electricity Regulatory Commission (Supply Code and Performance Standards) Regulations, 2017*, the Commission hereby notifies various NABL accredited Meter Testing Laboratories for testing in case of suspected tampered meter and its charges thereof.

#### 1. NABL accredited Meter Testing Laboratories

Sr. No.	Name of the Laboratories	Contact Person and Address of the Laboratories
1.	M/s Electronics Regional Test Laboratory (ERTL)	Mrs. Sunita Binji ( Head CSC Test ) ERTL(North) S- Block, Okhla Industrial Area, Phase - II, New Delhi – 110020 <b>Phone:</b> 011-26386206,26386498, 26386118 <b>Email:</b> ertlnorth@stqc.gov.in
2.	M/s Electronics and Quality Development Centre (EQDC)	Mr.Kirit Parmar- (Engineer) Meter Testing laboratory, 4/13, Substation Building, Sector-13, Rohini, New Delhi-110085. <b>Phone:</b> +91-9723531064 <b>Email:</b> addelhi@eqdc.in
3.	M/s Yadav Measurements Private Limited (YMPL)	Mr. Rameshwar Singh (Manager- Marketing) 397, Left Side Basement, Near PNB ATM, Hanuman Mandir Road, Chirag Delhi, New Delhi-110017. <b>Phone:</b> +91-9650394924 <b>Email:</b> rameshwar.sr@yadavmeasurements.com & Mr. Rameshwar Singh (Manager- Marketing) 4th Floor, Millennium Plaza Tower-A, SushantLok Phase-I, Sector-43, Gurugram, Haryana 122022. <b>Phone:</b> +91-9650394924 <b>Email:</b> rameshwar.sr@yadavmeasurements.com
4.	M/s QA Lab, Flash Electronics (India) Private Limited.	Mr. Rajendra Kumar (Manager- Technical) Plot No 3, 1 <sup>st</sup> Floor, Sector 27 B, Faridabad- 121003. <b>Phone:</b> +91-9891066921 <b>Email:</b> rk.em@flashgroup.in & Mr. Rajendra Kumar (Manager- Technical) 202, Western Avenue, Sainik Farms, New Delhi-110062. <b>Phone:</b> +91-9891066921 <b>Email:</b> rk.em@flashgroup.in

The Commission noted that the above mentioned laboratories are notified for Meter Testing by various other State Electricity Regulatory Commissions also like Gujarat Electricity Regulatory Commission (GERC), Haryana Electricity Regulatory Commission (HERC), Rajasthan Electricity Regulatory Commission (RERC) etc.

## 2. Charges for Testing

The Testing Charges in case of suspected tampered meter are mentioned below.

Sr.No	Name of Testing Laboratory	Testing Charges as per Annexure
1.	Electronics Regional Test Laboratory	Annexure-I
2.	M/s Electronics and Quality Development Centre	Annexure-II
3.	M/s Yadav Measurements Private Limited	Annexure-II
4.	M/s QA Lab, Flash Electronics (India) Private Limited.	Annexure-III

## 3. Protocol/ Guidelines

(1) The Distribution Licensee shall remove the meter from site/consumer's premises and seal it in the presence of the consumer or his representative in a container affixing thereon paper seals which shall be signed by both the parties. The Distribution Licensee shall prepare a seizure memo at the time of removal of meter, duly signed by their representative and consumer, indicating following details:

- i) C.A. No.
- ii) Registered Consumer Name
- iii) Meter No.
- iv) Meter Type
- v) Container Seal No.
- vi) Container no.
- vii) Date of removal
- viii) Physical status of the meter/ meter box as applicable
- ix) Licensee's authorized person details including mobile no. & e-mail.
- x) Seizure memo no.
- xi) any other relevant information

(2) The Distribution Licensee shall send meter sealed in the container as above along with the seizure memo to the laboratory within 3 (three) days of removal of meter.

(3) The Distribution Licensee shall fill the Service Request Form, as provided by the laboratories, and deposit the same to the laboratory alongwith the sealed meter.

(4) The Distribution Licensee shall indicate the specific parameters to be tested.

(5) The Meter Testing Laboratories on receipt of the meter/ meter in meter box, sealed in the container along with the seizure memo & Service Request Form shall acknowledge the receipt after verifying the following details:

- i) Intact Condition of the Container
- ii) Intact Condition of Container seal
- iii) Container Seal No.

(6) The Distribution Licensee shall schedule a date and time for testing of meter in consultation with Meter Testing Laboratories and shall give prior notice to the consumer as per the provisions of Order dated 31/08/2017 for Schedule of Charges and the procedure under Delhi Electricity Regulatory Commission (Supply Code and Performance Standards) Regulations, 2017 as amended from time to time.



(7) It shall be the responsibility of the Distribution Licensee to collect the Meter Test Report from Meter Testing Laboratories on the intimated date and provide a copy to the consumer also.

(8) In case any laboratory has meter manufacturing facility directly or through its sister concern then the laboratory shall not test the meters manufactured by it or by its sister concern.

#### **4. Date of applicability of the Order:**

This Order shall be applicable from the date of its notification and shall remain in force till revised.

Accordingly, the Order dated 5/9/2018 shall cease to have effect from the date of notification of this Order.

**Sd/-**  
**(Dr. A.K. Ambasht)**  
**Member**

**Sd/-**  
**(Justice Shabihul Hasnain 'Shastri')**  
**Chairperson**

### Annexure-I

Testing/calibration charges for the items mentioned below: -

क्रम संख्या/SL .No.	वस्तु/ Item	मात्रा/ Qty	उपयुक्त परीक्षण/नाम Applicable Test / Nomenclature	लागू शुल्क Applicable Charges ₹ (Rs)
1	Energy Meter ( Suspected) 1 Or 3 ph , as per DERC & Discoms of Delhi requirements , NO NABL  (NOTE: 1.Software used for reading/downloading data also required 2.Interface cable 3.Procedure to open the ultra-sonic welded meter with demo )	1	<b>Physical/Visual Observation:</b> Condition of Meter box with respect to : i) Breakage/break-open on box, ii) Scratch mark on meter box iii)Hole on meter box hinges & meter box back side iv) Adhesive on hinges v)Cut on Meter box glands vi) Breakage/open of meter box glands vii) Meter box seals conditions:burnts/tempered/re-fixed viii)Any extra hole in meter box	3000.00
			<b>Condition of Meter w.r.to :</b> i) Seal status ( Plastic & Hologram) ii) Push button/push button seal status iii) Scratch mark on terminal block & meter body iv) Meter ultrasonic welding status v) Meter body condition: re- fixed/tampered vi) Glue marks on terminal block & on meter body vii) external damage or hole/cut marks in the meter body vii)Terminal cover & screw status ix) burnt ( External or internal burnt/Terminal burnt/Totally burnt) x) Burn marks on meter display LCD	6000.00
			xi) Any foreign material added externally ( Patch work), gadget/ESD devices/EHV device xii) Meter bypassed xiii) Cavity formation in input terminal xiv) Abnormal burnt condition xv) Status of meter terminal block in case of completely/partially burnt meters	
			<b>Condition of CT unit with respect to (in case of poly phase meter) :</b> i) Patch Marks on resin cast of CT unit ii) Different colour shades on CT unit iii) S.No. Mismatched between nameplates on CT & CT Box iv) S.no. of Sticker refixed / repasted v) Phase indication stickers refixed / repasted vi)Embossing marks not proper vii) CT ration testing viii) Status & physical condition of PINS in Resin cast CT ix) Phase association of Resin cast current & Potential PINS	3000.00

			<p><b>2 Functional Test :</b> Following test shall be carried out on the meter on application of rated voltage &amp; basic current:</p> <ul style="list-style-type: none"> <li>i) Display/LCD Status</li> <li>ii) Pulse LED Status</li> <li>iii) SI.No. &amp; RTC ( date &amp; Time) status, if displayed on LCD panel</li> </ul>	3000.00
			<p><b>3 Accuracy Test:</b></p> <p><b>i) For Single Phase Meter :</b> Single phase meter shall be tested at rated voltage &amp; basic current :</p> <ul style="list-style-type: none"> <li>1) At UPF under Normal mode ( Phase CT)</li> <li>2) At 0.5 Lag under Normal mode ( Phase CT)</li> <li>3) At UPF under Normal mode ( Neutral CT)</li> </ul> <p><b>ii) For three Phase meter :</b> Three phase meters shall be tested at rated voltage &amp; basic current :</p> <ul style="list-style-type: none"> <li>1) Accuracy at balanced load</li> <li>2) Three phase voltage with single phase load ( i.e Rph, Yph &amp; Bph load individually)</li> </ul>	<p>3000.00</p> <p style="text-align: center;"><b>OR</b></p> <p>3000.00</p>
			<p>Note: a) For LTCT Meter, meter will be tested with &amp; without CT arrangement and HT meter will be tested without CT &amp; PT arrangement. b) In case accuracy test could not be performed, reason should be mentioned.</p>	
			<p><b>4 Meter Data Download :</b></p> <ul style="list-style-type: none"> <li>i) The following observations during meter data download shall be reported: <ul style="list-style-type: none"> <li>1) Meter SI. No.</li> <li>2) Meter RTC Status</li> <li>3) KWH/KVAH reading</li> <li>4) KW/KVA/MD</li> <li>5) Event report recorded or downloaded</li> </ul> </li> <li>ii) Downloaded data shall be checked for : <ul style="list-style-type: none"> <li>1) Daily energy history for previous 65 days</li> <li>2) Status of MD history along with MD date for past six months ( if MD history is not logged for any month then status of meter mains power availability to be reported) al power off etc.</li> <li>3) Flags recorded in the data during last 12 months</li> </ul> </li> </ul>	3000.00

			<p><b>5 Physical /Visual observation ( internally after removing the cover of meter) :</b></p> <p>i) Meter internal condition: burnt/tampered  ii) Status of PCB: burnt/tampered /scratch marks  iii) Meter bypassed inside the meter  iv) Cut marks  v) Meter cut from back side  vi) Glue marks found on the periphery of meter  vii) Some foreign material( Resistor/Capacitor/Chip Resistor/Diode/PCB/Magnetic switch) found connected  viii) Re-Soldering/rework found on PCB  ix) Meter number plat found re-fixed  x) Meter number sticker found changed  xi) Path on PCB found shorted</p>	3000.00
			Photo Print :Lab shall take photograph of internal parts of meter such that meter no. & any other abnormality as given above is captured.	500.00
			Witness:per person per day : 3rd part only	1500.00
			<b>TERMS &amp; Conditions agreed during GNCTD meeting held on 19.1.18:</b>	
			1.ERTL(North) being an Independent Third party Test lab do not undertake any investigative or exploratory testing. The testing is performed only against well defined test requirements. Our NABL Accreditation is not valid for checking any tampering of Energy Meters.NO NABL Logo will be issued with Test Report.	
			2. Issued Test reports are not to be used for any legal purpose & shall not be produced in the court of law. In case of any dispute & matter being referred to court of law by any stakeholder , ERTL(N) shall not send their test engineer as witness in Hon"ble court.	
			3.Technical Officer of Public Grievance Cell may also be associated with ERTL(N) Test engineer for checking of suspected meter in lab & will jointly sign the test report	
			4.Distribution companies while sending the suspected meter for Testing in ERTL(N) will have to give specific parameters/issues to be tested/inspected of suspected energy meter.	
			5.Analysis of test Data which requires Manufacturer's support during the testing will not be undertaken.	
			6.Discom will deliver the suspected energy meter to be tested at the premises of ERTL(N) & will also collect the same after testing from the premises of ERTL(N).	
			7.Any person/organisation other than the government department will have to deposit witness charges + applicable Taxes as per STQC Test charges Policy.	
			8.All the test charges with witness charges if any will have to be deposited in advance along with the Filled in SRF ( Service Request Form) in original & duly signed by the rep. of the indenting authority i.e distribution company in this case. Witnessing , if required shall be limited to consumers only.	

			<p>Covid Note:Due to Covid-19 spread, we keep the item in quarantine for 3-4 days before testing.</p> <p><b>PI fill attached SRF &amp; send along with Bharatkosh receipt thru email only.</b></p> <p><b>Visit by appointment only</b></p>	
			Net Charges	<b>29000.00</b>
			<b>GST (18%)</b>	<b>5220.00</b>
			<b>Applicable Total</b>	<b>34220.00</b>

## Annexure-II

Testing Charges in case of Suspected Tampered Meter		
S.No.	Applicable Test / Nomenclature	
1	<b>Physical/Visual Observation:</b>	
	Condition of Meter box with respect to :	
	(i) Breakage/break-open on box.	
	(ii) Scratch mark on meter box	
	(iii) Hole on meter box hinges & meter box back side	1000
	(iv) Adhesive on hinges	
	(v) Cut on meter box glands	
	(vi) Breakage/open of meter box glands	
	(vii) Meter box seals conditions: burnt/tempered / re-fixed	
	(viii) Any extra hole in meter box	
	Conditions of Meter w.r.t. :	
	i) Seal status (Plastic & Hologram)	
	ii) Push button/push button seal status	
	iii) Scratch mark on terminal block & meter body	
	iv) Meter ultrasonic welding status	
	v) Meter body condition: re-fixed/tampered	
	vi) Glue marks on terminal block & on meter body	
	vii) External damage or hole/cut marks in the meter body	1500
	viii) Terminal cover & screw status	
	ix) Burnt (external or internal burnt/terminal burnt/totally burnt)	
	x) Burn marks on meter display LCD	
	xi) Any foreign material added externally (Patch work), gadget/ESD devices/EHV device	
	xii) Meter bypassed	
	xiii) Cavity formation in input terminal	
	xiv) Abnormal burnt condition	
	xv) Status of meter terminal block in case of completely / partially burnt meters	
	Condition of CT unit with respect to (in case of poly phase meter) :	
	i) Patch Marks on resin cast of CT unit	
	ii) Different colour shades on CT unit	
	iii) S.No. mismatched between nameplates on CT & CT Box	
	iv) S.No. of sticker refixed/repasted	
	v) Phase indication stickers refixed/repasted	
	vi) Embossing marks not proper	
	vii) CT ratio testing	
	viii) Status & physical condition of PINS in Resin cast CT	
	ix) Phase association of Resin cast current & potential PINS	
2	<b>Functional Test</b> : Following test shall be carried out on the meter on application of rated voltage & basic current:	
	i) Display/LCD status	700
	ii) Pulse LED status	
	iii) Sl.No. & RTC (date & time) status, if displayed on LCD panel	
3	<b>Accuracy Test:</b>	
	i) For Single Phase Meter:	
	Single phase meter shall be tested at rated voltage & basic current:	
	1) At UPF under Normal mode (Phase CT)	1500
	2) At 0.5 Lag under Normal mode (Phase CT)	
	3) At UPF under Normal mode (Neutral CT)	
	ii) For Three Phase meter:	
	Three phase meters shall be tested at rated voltage & basic current:	
	1) Accuracy at balanced load	

	2) Three phase voltage with single phase load (i.e. Rph, Yph & Bph load individually)	3000
	Note: a) For LTCT Meter, meter will be tested with & without CT arrangement and HT meter will be tested without CT & PT arrangement.	
	b) In case accuracy test could not be performed, reason should be mentioned.	
4	<b>Meter Data Download:</b>	
	i) The following observations during meter data download shall be reported:	
	1) Meter Sl. No.	
	2) Meter RTC status	
	3) KWH/KVAH reading	
	4) KW/KVA/MD	
	5) Event report recorded or downloaded	700
	ii) Download data shall be checked for :	
	1) Daily energy history for previous 65 days	
	2) Status of MD history along with MD data for past six months (if MD history is not logged for any month then status of meter mains power availability to be reported) at power off etc.	
	3) Flags recorded in the data during last 12 months	
5	<b>Physical / Visual observation (internally after removing the cover of meter):</b>	
	i) Meter internal condition: burnt/tampered	
	ii) Status of PCB: burnt/tampered/scratch marks	
	iii) Meter bypassed inside the meter	
	iv) Cut marks	
	v) Meter cut from back side	
	vi) Glue marks found on the periphery of meter	
	vii) Some foreign material (Resistor/capacitor/ Chip Resistor/Diode/PCB/Magnetic switch) found connected	
	viii) Re-Soldering/rework found on PCB	
	ix) Meter number plate found re-fixed	
	x) Meter number sticker found changed	
	xi) Path on PCB found shorted	1200
	Photo Print: Lab shall take photograph of internal parts of meter such that meter no. & any other abnormality as given above is captured.	300
	Witness: per person per day: 3rd part only	500
	GST Extra	

## Annexure-III

**Testing Charges in case of Suspected Tampered Meter**

S.No.	Applicable Test / Nomenclature		
1	<b>Physical/Visual Observation:</b>	200	
	Condition of Meter box with respect to :		
	(i) Breakage/break-open on box.		
	(ii) Scratch mark on meter box		
	(iii) Hole on meter box hinges & meter box back side		
	(iv) Adhesive on hinges		
	(v) Cut on meter box glands		
	(vi) Breakage/open of meter box glands		
	(vii) Meter box seals conditions: burnt/tempered / re-fixed		
	(viii) Any extra hole in meter box		
	Conditions of Meter w.r.t. :		250
	i) Seal status (Plastic & Hologram)		
	ii) Push button/push button seal status		
	iii) Scratch mark on terminal block & meter body		
	iv) Meter ultrasonic welding status		
v) Meter body condition: re-fixed/tampered			
vi) Glue marks on terminal block & on meter body			
vii) External damage or hole/cut marks in the meter body			
viii) Terminal cover & screw status			
ix) Burnt (external or internal burnt/terminal burnt/totally burnt)			
x) Burn marks on meter display LCD			
xi) Any foreign material added externally (Patch work), gadget/ESD devices/EHV device			
xii) Meter bypassed			
xiii) Cavity formation in input terminal			
xiv) Abnormal burnt condition			
xv) Status of meter terminal block in case of completely / partially burnt meters			
	Condition of CT unit with respect to (in case of poly phase meter)	400	
	i) Patch Marks on resin cast of CT unit		
	ii) Different colour shades on CT unit		
	iii) S.No. mismatched between nameplates on CT & CT Box		
	iv) S.No. of sticker refixed/repasted		
	v) Phase indication stickers refixed/repasted		
	vi) Embossing marks not proper		
	vii) CT ratio testing		
	viii) Status & physical condition of PINS in Resin cast CT		
	ix) Phase association of Resin cast current & potential PINS		
2	<b>Functional Test</b> : Following test shall be carried out on the meter on application of rated	500	
	i) Display/LCD status		
	ii) Pulse LED status		
	iii) SI.No. & RTC (date & time) status, if displayed on LCD		
3	<b>Accuracy Test:</b>	1650	
	i) For Single Phase Meter:		
	Single phase meter shall be tested at rated voltage & basic		
	1) At UPF under Normal mode (Phase CT)		
	2) At 0.5 Lag under Normal mode (Phase CT)		
3) At UPF under Normal mode (Neutral CT)			



	ii) For Three Phase meter: Three phase meters shall be tested at rated voltage & basic	
	1) Accuracy at balanced load	
	2) Three phase voltage with single phase load (i.e. Rph, Yph & Bph load individually)	
	Note: a) For LTCT Meter, meter will be tested with & without CT arrangement and HT meter will be tested without CT & PT arrangement.	3500
	b) In case accuracy test could not be performed, reason should be mentioned.	
	<b>4 Meter Data Download:</b>	
	i) The following observations during meter data download shall be reported:	
	1) Meter Sl. No.	
	2) Meter RTC status	
	3) KWH/KVAH reading	
	4) KW/KVA/MD	
	5) Event report recorded or downloaded	850
	ii) Download data shall be checked for :	
	1) Daily energy history for previous 65 days	
	2) Status of MD history along with MD data for past six months (if MD history is not logged for any month then status of meter mains power availability to be reported) at power off etc.	
	3) Flags recorded in the data during last 12 months	
	<b>5 Physical / Visual observation (internally after removing the cover of meter):</b>	
	i) Meter internal condition: burnt/tampered	
	ii) Status of PCB: burnt/tampered/scratch marks	
	iii) Meter bypassed inside the meter	
	iv) Cut marks	
	v) Meter cut from back side	
	vi) Glue marks found on the periphery of meter	1400
	vii) Some foreign material (Resistor/capacitor/ Chip Resistor/Diode/PCB/Magnetic switch) found connected	
	viii) Re-Soldering/rework found on PCB	
	ix) Meter number plate found re-fixed	
	x) Meter number sticker found changed	
	xi) Path on PCB found shorted	
	Photo Print: Lab shall take photograph of internal parts of meter such that meter no. & any other abnormality as given above is captured.	500
	Witness: per person per day: 3rd part only	700
	GST Extra	



## Gujarat Electricity Regulatory Commission

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E-mail : gerc@gercin.org Website : www.gercin.org

GERC/TECH.-1/2024/  
Dt. 30.01.2024

NO - 0234

30 JAN 2024

To,  
Shri Pushkar Ameta  
Head- Business Development  
Yadav Measurements Pvt. Ltd.  
Plot No. F-373-375, RIICO Bhamasha Industrial Area,  
Kaladwas, Udaipur – 313 003.

Sub.- Renewal/ extension of validity period of approval as Independent Third Party  
Meter Testing Laboratory.

Ref.- (1) This office letter no. GERC/TECH.-1/2024/0183 dated 23.01.2024  
(2) Your office letter no. YMPL/GERC/2901 dated 29.01.2024

With reference to the captioned subject and your letter dated 29.01.2024 revising rates in line with the rates in line with the rates sought by the Commission, it is to state that considering the rates revised by M/s Yadav Measurements Pvt. Ltd. and based on the NABL accreditation in the field of testing valid till 13.10.2025, it is decided to accreditate M/s Yadav Measurements Private Limited as Independent Third Party Meter Testing Laboratory valid till 13.10.2025 i.e till validity of NABL accreditation for the same scope of Testing, with a condition that rates as decided vide letter dated 29.01.2024 would be recovered for testing purpose. This validation shall automatically stand withdrawn after completion of accreditation of NABL unless NABL accreditation is not renewed and submitted to the Commission. The Commission may withdraw accreditation if the testing and other concerned job carried out by the laboratory is not satisfactory and rates recovered are higher than the rates as decided in the letter dated 29.01.2024.

(Ranjeeth Kumar J., IAS)  
Secretary

Gujarat Electricity Regulatory Commission  
Gandhinagar