

**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

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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.

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*Reprakash*

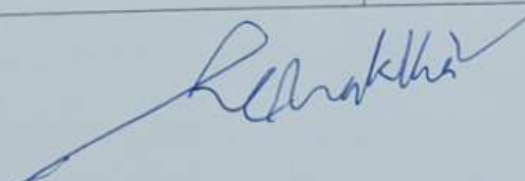
DIRECTOR (T&T)  
SIKKIM STATE ELECTRICITY  
REGULATORY COMMISSION  
GANGTOK, SIKKIM

Sd/-  
(K.B.Kunwar)  
Chairperson

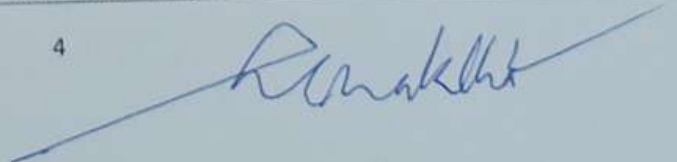
### Annexure-I

Testing/calibration charges for the items mentioned below: -

SL .No.	Item	Qty	Applicable Test/Nomenclature	Applicable Charges  ₹ (Rs)
1	Energy Meter ( Suspected) 1 Or 3 ph , as per DERC & Discoms of Delhi requirements , NO NABL  <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>	1	<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 & 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/tampered/re-fixed viii) Any extra hole in meter box	1000.00
			<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 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	1500.00



		<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</p> <p>ii) Different colour shades on CT unit iii) S.No. Mismatched between nameplates on CT &amp; CT Box</p> <p>iv) S.no. of Sticker refixed / repasted v) Phase indication stickers refixed / repasted</p> <p>vi) Embossing marks not proper</p> <p>vii) CT ration testing</p> <p>viii) Status &amp; physical condition of PINS in Resin cast CT</p> <p>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</p> <p>ii) Pulse LED Status</p> <p>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)</p> <p>2) At 0.5 Lag under Normal mode ( Phase CT)</p> <p>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</p> <p>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></p> <p><b>b) In case accuracy test could not be performed, reason should be mentioned.</b></p>	<p>1500.00</p> <p><b>OR</b></p> <p>3000.00</p>
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.</p> <p>2) Meter RTC Status</p> <p>3) KWH/KVAH reading</p> <p>4) KW/KVA/MD</p> <p>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</p> <p>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.</p> <p>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		

