



Delhi Electricity Regulatory Commission

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

F.17(44)/Engg./DERC/2013-14/PGC/3978

In the matter of : Notification of Laboratory for testing of tampered meter under Delhi Electricity Regulatory Commission (Supply Code & Performance Standards) Regulations, 2017

Order

(Date of Order : 05.09.2018)

In exercise of the powers conferred by Regulation 32(8) of Delhi Electricity Regulatory Commission (Supply Code and Performance Standards) Regulations, 2017, the Delhi Electricity Regulatory Commission hereby notifies Electronics Regional Test Laboratory (North), S-Block, Okhla Industrial Area, Phase-II, New Delhi- 110020, as laboratory for carrying out testing of suspected tampered meter, as finalized by Public Grievances Cell, Department of Power, Government of NCT of Delhi.

2. Charges for testing

The testing charges in case of suspected tampered meter for various testing activities shall be as per the rates mentioned in Annexure-I enclosed herewith.

3. Protocol/ Guidelines

(1) The 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 Licensee shall prepare a seizure memo at the time of removal of meter, duly signed by Licensee's 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 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 Licensee shall fill the Service Request Form, as provided by Electronics Regional Test Laboratory (North), and deposit the same to the laboratory along with the sealed meter.

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

(5) Electronics Regional Test Laboratory (North) 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 Licensee shall schedule a date and time for the testing of meter in consultation with Electronics Regional Test Laboratory (North) 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) A technical officer of Public Grievances Cell, Department of Power, Government of NCT of Delhi shall be positioned in Electronics Regional Test Laboratory (North), who shall witness the testing of tampered meter and shall jointly sign the test report.

(8) It shall be the responsibility of the Licensee to collect the meter test report from Electronics Regional Test Laboratory (North) on the intimated date.

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.

Sd/-
(B.P. Singh)
Member

Sd/-
(Justice S. S. Chauhan)
Chairman

Testing Charges in case of Suspected Tampered Meter

S.No.	Applicable Test / Nomenclature	Applicable Charges (Rs.)
1	<p>Physical/Visual Observation: Condition of Meter box with respect to :</p> <ul style="list-style-type: none"> (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 	2000.00
	<p>Conditions of Meter w.r.t. :</p> <ul style="list-style-type: none"> 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 <p>Condition of CT unit with respect to (in case of poly phase meter) :</p> <ul style="list-style-type: none"> 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 	4000.00
	<ul style="list-style-type: none"> 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 	2000.00
2	<p>Functional Test : Following test shall be carried out on the meter on application of rated voltage & basic current:</p> <ul style="list-style-type: none"> i) Display/LCD status ii) Pulse LED status iii) SI.No. & RTC (date & time) status, if displayed on LCD panel 	2000.00
3	<p>Accuracy Test:</p> <ul style="list-style-type: none"> i) For Single Phase Meter: Single phase meter shall be tested at rated voltage & basic current: <ul style="list-style-type: none"> 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 current: <ul style="list-style-type: none"> 1) Accuracy at balanced load 2) Three phase voltage with single phase load (i.e. Rph, Yph & Bph load individually) 	2000.00
	<p>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.</p>	

4	Meter Data Download: 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 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	2000.00
5	Physical / Visual observation (internally after removing the cover of meter): 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	2000.00
	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: 3 rd part only	1500.00
GST extra as applicable		