

Delhi Electricity Regulatory Commission

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

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

Notification of Laboratory for Testing of Tampered Meter under Delhi Electricity Regulatory Commission (Supply Code and In the matter of:

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 Phone: 011-26386206,26386498, 26386118 Email: ertInorth@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. Phone: +91-9723531064 Email: 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. Phone: +91-9650394924 Email: rameshwar.sr@yadavmeasurements.com & Mr. Rameshwar Singh (Manager- Marketing) 4th Floor, Millennium Plaza Tower-A, SushantLok Phase-I, Sector-43, Gurugram, Haryana 122022. Phone: +91-9650394924 Email: rameshwar.sr@yadavmeasurements.com	
4.	M/s QA Lab, Flash Electronics (India) Private Limited.	Mr. Rajendra Kumar (Manager- Technical) Plot No 3, 1st Floor, Sector 27 B, Faridabad- 121003. Phone: +91-9891066921 Email:rk.em@flashgroup.in & Mr. Rajendra Kumar (Manager- Technical) 202, Western Avenue, Sainik Farms, New Delhi- 110062. Phone: +91-9891066921 Email: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 (RERC), 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'sauthorized 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 DistributionLicensee 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 Laboratorieson 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	वस्तु/	मात्रा/	उपयुक्त परीक्षण/नाम	लागू शुल्क
संख्या/SL	Item	Qty	Applicable Test / Nomenclature	Applicable
.No.	itom	αιy		Charges
				₹ (Rs)
1	Energy Meter (Suspected) 1	1	Physical/Visual Observation: Condition of Meter box with respect to :	3000.00
•	Or 3 ph, as per DERC &	'	i) Breakage/break-open on box,	3000.00
	Discoms of Delhi		ii) Scratch mark on meter box	
	requirements , NO NABL		iii)Hole on meter box hinges & meter box back side	
	requirements, NO NADE		iv) Adhesive on hinges	
	(NOTE: 1.Software used for		v)Cut on Meter box glands	
	reading/downloading data also		vi) Breakage/open of meter box glands	
	required		vii) Meter box seals conditions:burnts/tempered/re-fixed	
	2.Interface cable		viii)Any extra hole in meter box	
	3.Procedure to open the		VIII/Ally extra fible in fileter box	
	ultra-sonic welded meter with			
	demo)			
	demo)			
			Condition of Meter w.r.to :	6000.00
			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	
			Condition of CT unit with respect to (in case of poly phase meter) :	3000.00
			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	

2 Functional Test :	3000.00
Following test shall be carried out on the meter on application of rated	
voltage & basic current:	
i) Display/LCD Status	
ii) Pulse LED Status	
iii) Sl.No. & RTC (date & Time) status, if displayed on LCD panel	
3 Accuracy Test:	
i) For Single Phase Meter : Single phase meter shall be tested at rated	3000.00
voltage & basic current :	
1) At UPF under Normal mode (Phase CT)	OR
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	3000.00
voltage & basic current :	
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.	
b) In case accuracy test could not be performed, reason should be	
mentioned.	
4 Meter Data Download :	3000.00
i) The following observations during meter data download shall be	
reported:	
1) Meter SI. No.	
2) Meter RTC Status	
3) KWH/KVAH reading	
4) KW/KVA/MD	
5) Event report recorded or downloaded	
ii) Downloaded data shall be checked for :	
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.	
3)Flags recorded in the data during last 12 months	

5 Physical /Visual observation (internally after removing the cov	/er of 3000.00
meter):	3000.00
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	
Photo Print :Lab shall take photograph of internal parts of meter	r such that 500.00
meter no. & any other abnormality as given above is captu	
Witness:per person per day : 3rd part only	1500.00
Withess. per person per day . Sid part only	1300.00
TERMS & Conditions agreed during GNCTD meeting held on	19.1.18:
1.ERTL(North) being an Independent Third party Test lab do no	t undertake
any investigative or exploratory testing. The testing is perfo	ormed only
against well defined test requirements. Our NABL Accreditation	is not valid
for checking any tampering of Energy Meters.NO NABL Logo wi	III be issued
with Test Report.	
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 & m	atter being
referred to court of law by any stakeholder , ERTL(N) shall no	t send their
test engineer as witness in Hon"ble court.	
3.Technical Officer of Public Grievance Cell may also be asso	ociated with
ERTL(N) Test engineer for checking of suspected meter in lab 8	& will jointly
sign the test report	
4.Distribution companies while sending the suspected meter for	r Testing in
ERTL(N) will have to give specific parameters/issue	es 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 tes	sted at the
premises of ERTL(N) & will also collect the same after testing	ig from the
premises of ERTL(N).	
7.Any person/organisation other than the government departme	nt will have
to deposit witness charges + applicable Taxes as per STQC Te	est charges
Policy.	
8.All the test charges with witness charges if any will h	nave to be
deposited in advance along with the Filled in SRF (Service	ce Request
Form) in original & duly signed by the rep. of the indenting a	authority i.e
distribution company in this case. Witnessing , if required shall b	pe limited to
consumers only.	

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

Annexure-II

	Testing Charges in case of Suspected Tampered Meter	
	Applicable Test / Nomenclature	
	Physical/Visual Observation:	
	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	100
((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)	
i	i) Push button/push button seal status	
i	ii) Scratch mark on terminal block & meter body	
i	v) Meter ultrasonic welding status	
\	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	15
\	viii) Terminal cover & screw status	150
i	x) Burnt (external or internal burnt/terminal burnt/totally burnt)	
>	Burn marks on meter display LCD	
>	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	
>	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) :	
	Datab Marks on resin cost of CT unit	
	Patch Marks on resin cast of CT unit	
	i) Different colour shades on CT unit	
	iii) S.No. mismatched between nameplates on CT & CT Box	200
-	v) S.No. of sticker refixed/repasted	200
	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	
	x) Phase association of Resin cast current & potential PINS	
	Functional Test: Following test shall be carried out on the meter on application of rated	
	voltage & basic current:	70
	Display/LCD status	70
	i) Pulse LED status	
	iii) Sl.No. & RTC (date & time) status, if displayed on LCD panel	
	Accuracy Test:	
i) For Single Phase Meter:	
	Single phase meter shall be tested at rated voltage & basic current:	150
9	1) At UPF under Normal mode (Phase CT)	
1	2) At 0.5 Lag under Normal mode (Phase CT)	
1 2		
1 2	3) At UPF under Normal mode (Neutral CT)	
2		

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 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	700
ii) Download data shall be checked for :	
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) 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	1200
vii) Some foreign material (Resistor/capacitor/ Chip Resistor/Diode/PCB/Magnetic switch) found	1200
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	300
 as given above is captured.	F00
Witness: per person per day: 3rd part only	500
 GST Extra	

	ng Charges in case of Suspected Tampered Meter	
No.	Applicable Test / Nomenclature	
1	Physical/Visual Observation:	
	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	200
	(iv) Adhesive on hinges	200
	(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	
	viii) Terminal cover & screw status	
	ix) Burnt (external or internal burnt/terminal burnt/totally bu	250
	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	
	partially burnt meters	
	partially burnt meters Condition of CT unit with respect to (in case of poly phase meter)	
	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	
	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	
	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	400
	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	400
	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	400
	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	400
	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	400
	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	400
	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	400
	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 Functional Test: Following test shall be carried out on the meter	400
2	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 Functional Test: Following test shall be carried out on the meter on application of rated	
2	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 Functional Test: Following test shall be carried out on the meter on application of rated i) Display/LCD status	
2	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 Functional Test: Following test shall be carried out on the meter on application of rated i) Display/LCD status ii) Pulse LED status	
	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 Functional Test: Following test shall be carried out on the meter on application of rated i) Display/LCD status ii) Pulse LED status iii) SI.No. & RTC (date & time) status, if displayed on LCD	
	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 Functional Test: Following test shall be carried out on the meter on application of rated i) Display/LCD status ii) Pulse LED status iii) SI.No. & RTC (date & time) status, if displayed on LCD Accuracy Test:	
	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 Functional Test: Following test shall be carried out on the meter on application of rated i) Display/LCD status ii) Pulse LED status iii) SI.No. & RTC (date & time) status, if displayed on LCD Accuracy Test: i) For Single Phase Meter:	
	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 Functional Test: Following test shall be carried out on the meter on application of rated i) Display/LCD status ii) Pulse LED status iii) SI.No. & RTC (date & time) status, if displayed on LCD Accuracy Test: i) For Single Phase Meter: Single phase meter shall be tested at rated voltage & basic	400 500
	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 Functional Test: Following test shall be carried out on the meter on application of rated i) Display/LCD status ii) Pulse LED status iii) SI.No. & RTC (date & time) status, if displayed on LCD Accuracy Test: i) For Single Phase Meter: Single phase meter shall be tested at rated voltage & basic 1) At UPF under Normal mode (Phase CT)	
	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 Functional Test: Following test shall be carried out on the meter on application of rated i) Display/LCD status ii) Pulse LED status iii) SI.No. & RTC (date & time) status, if displayed on LCD Accuracy Test: i) For Single Phase Meter: Single phase meter shall be tested at rated voltage & basic	500

	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)	2500
	Note: a) For LTCT Meter, meter will be tested with & without CT	3500
	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 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	850
	ii) Download data shall be checked for :	
-	Daily energy history for previous 65 days	
	Ty Duny chergy history for previous as 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	
	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	4.400
	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	500
	captured.	
	Witness: per person per day: 3rd part only	700
	GST Extra	
	1	