

Rates of Testing Services to be charged by Central Testing Circle of DVC from outside agencies

| A Testing and Calibration charge of Energy meters as per IS 14697: 2021 and IS 13779: 2020 | | | | | | | | |
|---|---|---------------|--|------------------------|--|-------------------------------------|-----|------|
| | Type of Meters | SI No. | Testing Parameters | Rate (in Rs./-) | 18 % GST (in Rs./-) | Charges incl. Tax (in Rs./-) | | |
| 1 | Energy Meter Test as per IS 14697:2021 [a.c Static Transformer Operated Watthour Meters (class 0.2S and 0.5S) and Var-Hour Meters class (0.2S, 0.5S and 1S)] | 1 | Limits of Error- upto 24 load Point (Active (Kwh) & Reactive(Kvarh) energy), Import (Forward) or Export (Reverse) mode: TRIVECTOR NET METER | 8900 | 1602 | 10502 | | |
| | | 2 | Long Period Registration Test/ Meter Constant (Active and Reactive) | 3100 | 558 | 3658 | | |
| | | 3 | Test of Repeatability of error (Active and Reactive) | 3600 | 648 | 4248 | | |
| | | 4 | Test of Starting Current | 1200 | 216 | 1416 | | |
| | | 5 | No Load Test | 1200 | 216 | 1416 | | |
| | | 6 | Power Consumption Test (Voltage and Current Circuit) | 3600 | 648 | 4248 | | |
| | | 7 | Insulation Resistance Test | 1200 | 216 | 1416 | | |
| | | 8 | AC High Voltage Test | 1200 | 216 | 1416 | | |
| | | 9 | Full Test Full Test Active and Reactive 24 Load Point | 24000 | 4320 | 28320 | | |
| | | 1 | Limits of Error- upto 12 load Point (Active (Kwh) or Reactive (Kvarh) energy), Import (Forward) mode only : TRIVEVOR METER | 4800 | 864 | 5664 | | |
| | | 2 | Long Period Registration Test/ Meter Constant (Active or Reactive) | 1900 | 342 | 2242 | | |
| | | 3 | Test of Repeatability of error (Active or Reactive) | 2200 | 396 | 2596 | | |
| | | 4 | Test of Starting Current | 1200 | 216 | 1416 | | |
| | | 5 | No Load Test | 1200 | 216 | 1416 | | |
| | | 6 | Power Consumption Test (Voltage and Current Circuit) | 3600 | 648 | 4248 | | |
| | | 7 | Insulation Resistance Test | 1200 | 216 | 1416 | | |
| | | 8 | AC High Voltage Test | 1200 | 216 | 1416 | | |
| | | 9 | Full Test Full Test Active or Reactive 12 Point | 17300 | 3114 | 20414 | | |
| | | 1 | Limits of Error- upto 12 load Point (Active (Kwh) or Reactive (Kvarh) energy), Import (Forward) mode only : TRIVEVOR METER | 4800 | 864 | 5664 | | |
| | | 2 | Long Period Registration Test/ Meter Constant (Active or Reactive) | 1900 | 342 | 2242 | | |
| | | 3 | Insulation Resistance Test | 1200 | 216 | 1416 | | |
| | | 4 | AC High Voltage Test | 1200 | 216 | 1416 | | |
| | | 5 | Minimum 4 test Active | 9100 | 1638 | 10738 | | |
| | | | Additional Load point for Limits of Error per point after 24 load points | 150 | | | | |
| | | 2 | Energy Meter Test as per IS 13779:2020 (ac static Watthour Meters, Class 1 and 2) | 1 | Limits of Error- upto12 load Point (Kwh), Import (Forward) mode only | 2900 | 522 | 3422 |
| | | | | 2 | Long Period Registration Test/ Meter Constant | 1200 | 216 | 1416 |
| | | | | 3 | Test of Starting Current | 1000 | 180 | 1180 |
| 4 | No Load Test | | | 1200 | 216 | 1416 | | |
| 5 | Test of Repeatability | | | 1400 | 252 | 1652 | | |
| 6 | Power Consumption Test (Voltage and Current Circuit) | | | 2900 | 522 | 3422 | | |
| 7 | Insulation Resistance Test | | | 700 | 126 | 826 | | |
| 8 | AC High Voltage Test | | | 700 | 126 | 826 | | |
| 9 | Full Test for 3 phase meter | | | 12000 | 2160 | 14160 | | |
| 10 | Minimum 4 Test (SI No.1,2,3,4) for 3 ph meter | | | 6300 | 1134 | 7434 | | |

| | Type of Meters | Sl No. | Testing Parameters | Rate (in Rs./-) | 18 % GST (in Rs./-) | Charges incl. Tax (in Rs./-) |
|-------------------------------------|---|--------|---|-----------------|---------------------|------------------------------|
| 3 | Energy Meter Test as per IS 13779:2020 (ac static Watthour Meters, Class 1 and 2) | 1 | Limits of Error- upto 12 load Point (Kwh), Import (Forward) mode only | 1400 | 252 | 1652 |
| | | 2 | Long Period Registration Test/ Meter Constant | 1000 | 180 | 1180 |
| | | 3 | Test of Starting Current | 700 | 126 | 826 |
| | | 4 | No Load Test | 700 | 126 | 826 |
| | | 5 | Test of Repeatability | 700 | 126 | 826 |
| | | 6 | Power Consumption Test (Voltage and Current Circuit) | 500 | 90 | 590 |
| | | 7 | Insulation Resistance Test | 500 | 90 | 590 |
| | | 8 | AC High Voltage Test | 500 | 90 | 590 |
| | | 9 | Full Test for single phase meter | 6000 | 1080 | 7080 |
| | | 10 | Mininum 3 Test (Sl No.2,3,4) for 1-ph meter | 2400 | 432 | 2832 |
| Calibration Charge of meters | | | | | | |
| 4 | Calibration of Parameters (Energy, Power, Voltage and Current) | 1 | Calibration of Active Energy and/ or Reactive Energy (24 point) | 24000 | 4320 | 28320 |
| | | 2 | Calibration of Active Energy and/ or Reactive Energy (12 point) | 14400 | 2592 | 16992 |
| | | 3 | Calibration of Active Power and / or Reactive power (24 point) | 24000 | 4320 | 28320 |
| | | 4 | Calibration of Active Power and / or Reactive power (12 point) | 14400 | 2592 | 16992 |
| | | 5 | Additional Load point for Energy and Power after 24 Points | 500 | | |
| | | 6 | | | | |
| | | 7 | Calibration of Voltage only upto 15 points | 10100 | 1818 | 11918 |
| | | 8 | Calibration of Voltage only upto 10 points | 6800 | 1224 | 8024 |
| | | 9 | Calibration of Voltage only upto 5 points | 3600 | 648 | 4248 |
| | | 10 | Calibration of Current only upto 15 points | 10100 | 1818 | 11918 |
| | | 11 | Calibration of Voltage only upto 10 points | 6800 | 1224 | 8024 |
| | | 12 | Calibration of Voltage only upto 5 points | 3600 | 648 | 4248 |
| | | 13 | Additional Load point for Voltage and Current after 15 points | 300 | | |

| B Testing Charge of Insulating Oil | | | | |
|---|--|-----------------|---------------------|------------------------------|
| Sl. No. | Testing Parameters | Rate (in Rs./-) | 18 % GST (in Rs./-) | Charges incl. Tax (in Rs./-) |
| 1 | Dissolved Gas Analysis (DGA) | 6600 | 1188 | 7788 |
| 2 | Inter Facial Tension (IFT) | 1400 | 252 | 1652 |
| 3 | Break Down Voltage (BDV) | 1300 | 234 | 1534 |
| 4 | Water Content (Moisture) | 1700 | 306 | 2006 |
| 5 | Dissipation Factor (Tan Delta @ 90 °C) | 1700 | 306 | 2006 |
| 6 | Resistivity (@ 90°C) | 1700 | 306 | 2006 |
| 7 | Total Acid Number | 1400 | 252 | 1652 |
| 8 | Density (@ 29.5°C) | 1300 | 234 | 1534 |

| Testing Charge of Equipment | | | | | | |
|-----------------------------|---|-----------------|---------------------|-----------------------------|--|---|
| Sl No. | Testing Parameters | Rate (in Rs./-) | 18 % Tax (in Rs./-) | Charges With Tax (in Rs./-) | Test facilities At Site/ At CRITL, Maithon | Minimum no. of quantity for deputation of testing team for Site Testing |
| 1 | Transformer Testing (Single Tap) 132 KV or above | 87600 | 15768 | 103368 | At site | One |
| 2 | Transformer Testing (All Taps) 132 KV or above | 131400 | 23652 | 155052 | At site | One |
| 3 | Transformer Testing (Single Tap) below 132 KV | 68200 | 12276 | 80476 | At site | One |
| 4 | Transformer Testing (All Tap) below 132 KV | 102200 | 18396 | 120596 | At site | One |
| 5 | Testing of Generator Stator | 93200 | 16776 | 109976 | At site | One |
| 6 | Testing of Generator Rotor | 75200 | 13536 | 88736 | At site | One |
| 7 | Testing of CT , rating 132 KV or above | 29300 | 5274 | 34574 | At Site/ At CRITL, Maithon | Three |
| 8 | Testing of CT , rating below 132 KV | 20600 | 3708 | 24308 | At Site/ At CRITL, Maithon | Three |
| 9 | Testing of PT , rating 132 KV or above | 20300 | 3654 | 23954 | At Site/ At CRITL, Maithon | Three |
| 10 | Testing of PT , rating below 132 KV | 9500 | 1710 | 11210 | At Site/ At CRITL, Maithon | Three |
| 11 | Testing of Circuit Breaker | 34500 | 6210 | 40710 | At Site/ At CRITL, Maithon | One |
| 12 | Distance relay testing | 25000 | 4500 | 29500 | At Site/ At CRITL, Maithon | Two |
| 13 | Differential Relay Testing | 19400 | 3492 | 22892 | At Site/ At CRITL, Maithon | Two |
| 14 | Directional O/C & E/F Relay Testing | 8600 | 1548 | 10148 | At Site/ At CRITL, Maithon | Five |
| 15 | Non-Directional O/C & E/F Relay Testing | 6500 | 1170 | 7670 | At Site/ At CRITL, Maithon | Ten |
| 16 | Testing of Motor Protection relay | 20700 | 3726 | 24426 | At Site/ At CRITL, Maithon | Three |
| 17 | Auxiliary Relay Testing | 3100 | 558 | 3658 | At Site/ At CRITL, Maithon | Ten |
| 18 | Fault Level Analysis & Setting Calculation per day | 20600 | 3708 | 24308 | At Site/ At CRITL, Maithon | - |
| 19 | Routine Testing of protection panels of rating 220 KV | 249300 | 44874 | 294174 | At site | One |
| 20 | Routine Testing of panels of rating 132 KV | 154900 | 27882 | 182782 | At site | One |
| 21 | Routine Testing of Protection panels of rating below 132 KV | 61000 | 10980 | 71980 | At site | One |
| 22 | Metering Panel Testing | 48600 | 8748 | 57348 | At site | One |
| 23 | Transformer Bushing Testing | 23100 | 4158 | 27258 | At site | Three |
| 24 | DC Hi Pot Testing | 22300 | 4014 | 26314 | At site | Three |
| 25 | AC Hi Pot Testing | 20800 | 3744 | 24544 | At site | Three |
| 26 | Generator Prot-Relay Testing | 34500 | 6210 | 40710 | At Site/ At CRITL, Maithon | Two |