



**TERMS OF REFERENCE**

**SUPPLY, DELIVERY AND COMMISSIONING OF  
TWO (2) UNITS BRAND NEW CLAMP AMMETER**

**A. General**

1. Scope
  - a. The scope of work is to supply, deliver and commission two (2) units of brand new clamp ammeters.
  
2. Conditions
  - a. The scope of work is to supply, deliver and commission two (2) units of brand new clamp ammeters and its related accessories to CKWD. The units and accessories shall be brand-new, at most three years ex-stock.
  - b. The supplier shall commission the unit within **thirty (30) days** after signing of Contract/ Purchase Order (PO). The 7-day time frame shall be allotted to check the proper alignment/ setting of the units and make necessary corrections of mechanical failures found during installation and construction. The supplier shall inform the CKWD measures and proper procedures on the unit's operation to guarantee a smooth and proper function of the newly unit.
  - c. Field-testing shall be made once the unit is ready for commissioning. CKWD engineers shall conduct field testing with the presence of supplier's representative.
  - d. In case the unit failed during field testing, the supplier shall make necessary corrections, repair, or replace the unit without cost to the owner. All incidental expenses including the pulling out and transporting of the unit shall be borne by the supplier.
  - e. All equipment/ materials must be **brand new**.

**B. Technical Specifications**

1. Application: AC Current Measurement
2. Specifications: AC Current Measurement 660A Max.  
True RMS Measurement Value  
Inrush Current Measurement Capable  
Value Hold Capability  
LCD with Back Light
3. Measurement Range:

ACA:	66/660A
ACV:	600V
DCV:	600V
Resistance:	660 Ω



**C. Additional Requirements** (*Compliance upon submission of quotation*)

1. Must submit catalog/ brochure.
2. The manufacturer should have a valid ISO 14001 Certificate.
3. The manufacturer / supplier should have a valid ISO 9001 Certificate.

**D. Accessories/Additional Requirements** (*Compliance upon Delivery*)

1. The supplier must submit product brochure and operating manual and software.
2. The units shall be covered by a minimum of one (1) year manufacturer's warranty against material and workmanship defects. Supplier must submit warranty certificate.
3. The supplier's technical representative shall be present during commissioning.