

**PURCHASE ORDER Nº EW-2013-0173-1**

**MANUFACTURER:** CROMPTON GREAVES LTD (SWITCHGEAR DIVISION)  
A-3 M.I.D.C. Ambad Nasik-422010 India  
Tel.: +(91)-(253)-2382271

**RESPONSIBLE:** Manoj Deore (manoj.deore@cgglobal.com)

**INVOICE TO:** ELECTROWERKE S.A.  
Calle Maria Reiche 159, 4to. Piso Urb. Higuiereta - Surco Lima, Peru  
Tel.: 271-2700

**DELIVERY TO:** ELECTROWERKE S.A.  
Calle Maria Reiche 159, 4to. Piso Urb. Higuiereta - Surco Lima, Peru  
Tel.: 271-2700

**CONTACT:** Herbert Paredes (herbert.paredes@electrowerke.com.pe)  
Marilyn Salazar (marilyn.salazar@electrowerke.com.pe)

**SUPPLIER' REF.:** XSws/ E-16590R1

**PROJECT:** FL-0-740-1

**SHIPPING MARKS:** ELECTROWERKE S.A.  
EW-2013-0173-1  
CALLAO - PERU  
LUZ DEL SUR

**DATE :**27/11/2013

| Item | Description  | Quantity | Unit Price | Total     |
|------|--|----------|------------|-----------|
| 1    | <b>SF6 Gas Circuit Breaker 245 kV, 3150 A, STC 40 kA / 3 sec, BIL 460 kVrms / 1050 kVp, Creepage 31 mm/kV, Single Phase Auto-reclosing, as per IEC 62271-100. Monopolar Type .</b>   | 1        | 35,000.00  | 35,000.00 |
| 2    | <b>Current Transformers 245 kV,150-300/1-1-1-1 A,</b><br>Core 1 - Cl. 0.2, 15 VA,<br>Core 2 - Cl. 5P30, 15 VA,<br>Core 3 - Cl. 5P30, 15 VA,<br>Core 4 - Cl. 5P30, 15 VA<br>BIL 460 kVrms / 1050 kVp, STC 40 kA / 1 sec, Creepage distance 31 mm/kV, Extended range 120%, as per IEC 60044-1. Horizontal Seismic acceleration 0.5g as per IEEE:693 (2005) | 3        | 9,800.00   | 29,400.00 |
| 3    | <b>Current Transformers 145 kV,100-200/1-1-1 A,</b><br>Core 1 - Cl. 0.2, 15 VA,<br>Core 2 & 3 - Cl. 5P20, 15 VA,<br>BIL 275 kVrms / 650 kVp, STC 40 kA / 1 sec, Creepage distance 31 mm/kV, Extended range 120%, as per IEC 60044-1. Horizontal Seismic acceleration 0.5g as per IEEE:693 (2005)   | 3        | 4,500.00   | 13,500.00 |
| 4    | <b>Capacitive Voltage Transformers 245 kV,</b><br>230000/ 3:110/ 3 V:110/ 3 V,<br>Winding 1 - Cl. 0.2, 15 VA,<br>Winding 2 - Cl. 3P, 15 VA,<br>BIL 460 kVrms / 1050 kVp, Creepage distance 31 mm/kV, Voltage Factor 1.2, as per IEC 60044-5. Simultaneous VA as 15 VA and accuracy cl. of 0.2 and Capacitance of 4400 pF.                                | 3        | 6,100.00   | 18,300.00 |
| 5    | <b>Capacitive Voltage Transformers 145 kV,</b><br>132000/ 3:110/ 3 V:110/ 3 V,<br>Winding 1 - Cl. 0.2, 15 VA,<br>Winding 2 - Cl. 3P, 15 VA,<br>BIL 275 kVrms / 650 kVp, Creepage distance 31 mm/kV, Voltage Factor 1.2, as per IEC 60044-5. Simultaneous VA as 15 VA and accuracy cl. of 0.2 in both cases and Capacitance of 4400 pF                    | 4        | 4,975.00   | 19,900.00 |
| 6    | <b>ZnO Surge Arrester 245 kV, Nominal Voltage 220 kV, MCOV 168 kV, Class 3, 10 kA, Brown Porcelain, BIL 460 kVrms / 1050 kVp, Creepage 31 mm/kV, as per IEC 60099-4 (with insulating base and discharge counter).</b>  | 3        | 2,650.00   | 7,950.00  |
| 7    | <b>ZnO Surge Arrester 145 kV, Nominal Voltage 120 kV, MCOV 96 kV, Class 3, 10 kA, Brown Porcelain, BIL 275 kVrms / 650 kVp, Creepage 31 mm/kV, as per IEC 60099-4 (with insulating base and discharge counter).</b>  | 3        | 2,100.00   | 6,300.00  |

|                  |            |
|------------------|------------|
| Total Price US\$ | 130,350.00 |
|------------------|------------|

|               |                                      |
|---------------|--------------------------------------|
| Incoterms     | FOB Mumbai                           |
| Delivery time | 12 weeks (Feb. 20, 2014)             |
| Payment terms | 100% L/C at 90 days from date of BL. |
| Via           | Sea freight                          |

**Shipping Document Required:**

- Comercial Invoice
- Packing list
- Bill of Loading ( 3 / 3 )

**APPROVED BY:****Notes:**

- 1.- After completion of tests and before shipment, you must send to us two (02) copies of the technical file, consisting of test report, operating manual and asbuilt drawings. One additional copy should be dispatched together with the goods, in the same box.
- 2.- Draft of Commercial Invoice should be mailed to EW contact person one week prior to dispatch to get the necessary approval before final issuing. All shipping documents shall indicate the number of this Order and Projects name. Packing List must indicate Dimension (LxWxH), Weight and Number of Packages.
- 3.- Packing should be according to new intl standards ( wooden crates should be fumigated )
- 4.- TRANSHIPMENTS ARE NOT ALLOWED.