

# Power Source



# Kristu Jayanti College

**AUTONOMOUS**

**Bengaluru**

Reaccredited A++ Grade by NAAC | Affiliated to Bengaluru North University



# Transformer & Meter



# Power Source



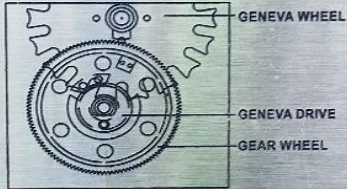
# Kristu Jayanti College

**AUTONOMOUS**

**Bengaluru**

Reaccredited A++ Grade by NAAC | Affiliated to Bengaluru North University

Tap Changers are very salient unit of transformers in the power system. In order to maintain the stability of the voltage supply based on the capacity of the transformer, we use the tapping concept. Beyond doubt we have the Tough Art of Taming Power. From MACPOWER you can expect zero tolerance in quality and supreme dependability. Opt the tap changer in the safe hands of MACPOWER and enjoy the advantages of our complete range of products.



## MAINTENANCE CHART

| OLTC USAGE   | MAINTENANCE CHECK   | DETAILS / LIMITS  |
|--|---|---|
| ONCE IN A YEAR OR EVERY 10,000 OPERATIONS WHICHEVER IS EARLIER     | LUBRICATE GENEVA, GEAR WHEEL, MECHANICAL LOCK AND GENEVA DRIVE TAP CHANGER LINK BELT TENSION SHALL BE CHECKED | USE BRB 30 GREASE.<br>REMOVE ONE LINK FROM BELT TO INCREASE THE TENSION |
| ONCE IN 2 YEARS OR EVERY 20,000 OPERATIONS WHICHEVER IS EARLIER    | CHECK BDV OF OIL WATER CONTENT  | BM > 30 KV<br>WATER CONTENT < 50 PPM                                    |
| ONCE IN 3 YEARS OR EVERY 30000 OPERATIONS WHICHEVER IS EARLIER     | REMOVE CARBON FROM OLTC TANK AND FILTER THE OIL   |   |
| ONCE IN 10 YEARS OR EVERY 1,00,000 OPERATIONS WHICHEVER IS EARLIER | OLTC OVERHAULING AND CHECK GENEVA DRIVE, FIXED AND MOVING CONTACT WEAR & TEAR                                 |   |

## NAME PLATE DETAILS

|                         |        |                 |              |         |             |
|-------------------------|--------|-----------------|--------------|---------|-------------|
| MODEL                   | R11    | SR NO           | R21102479    | REF. NO | 01601P/2023 |
| SERVICE VOLTAGE         | 11 KV  | YEAR            | 2023         | MONTH   | JUNE        |
| MAX. RATED CURRENT(PH)  | 35.65A | MAXIMUM CURRENT | 200 A        |         |             |
| PHASE                   | 3      | FREQUENCY       | 50HZ         | STEPS   | 16          |
|                         |        | STEP VOLTAGE    | 137.5 V      |         |             |
| MOTOR                   | 415 V  | FREQUENCY       | 50 HZ        | CONTROL | 110 V       |
| TAP CHANGER WITHOUT OIL | 320 KG |                 |              |         |             |
| OIL                     | 172 KG | 200 LTRS        | TOTAL WEIGHT | 492 KG  |             |

**MACPOWER**  
The Tough Art of Taming Power

MACPOWER SWITCHGEAR PVT LTD.  
Plot No 31, Kinfra Hi - Tech Park, Kalamassery,  
Ernakulam, Kerala, India - 683503.  
Phone - 0484 2956642, 2545280  
E-mail: info@macpower.in www.macpower.in

# Maintenance Chart