

**Bharat Heavy Electricals Limited**  
**Ramachandrapuram : : Hyderabad – 502032**  
**M&S – DIVISION**  
**SCOPE OF WORK (ANNEXURE-I)**

**Tender No.:** M&S/P&S/2022/15, Dt.: 14.06.2022

**Name of Work:** Servicing (3 Nos.) and Commissioning (2 Nos.) of ABB make ACB's of DCS800 Drive system in NBT and OBT.

The DCS 800 drive system was commissioned in 2015 in NBT & OBT, The ACB's (Emax Series of ABB SACE model Air Circuit Breakers) are part of the drive system for closing & opening operations of mains power to the drive system.

The Work includes the following:

- Cleaning of breaker with CRC-226.
- Removal of old grease and re-greasing the same with recommended grease.
- Checking the condition of arcing contact and gap between fixed and moving arcing contacts shall be checked and adjusted as per the recommendations.
- Cleaning of breaker with CRC-226.
- Checking the proper function of Mechanism.
- Checking tripping of ACB through protection release.
- Checking presence and proper tightening of hardware.
- Checking condition and alignment of jaw contact with cradle terminals.
- Checking the healthiness of Jaw contact & Cradle terminals.
- Checking alignment of Sliding in contact.
- Checking & cleaning of arc chutes.
- Checking of ACB tripping through shunt release.
- Checking of motor operation in case of EDO ACB.
- Checking of closing coil operation in case of EDO ACB.
- Checking of continuity and proper changeover of aux contact block.
- Checking of release by Release Testing Kit PR010/T/EKIP Test kit for LSIG Functions.
- Setting of parameters/configurations as per OEM standards with load calculations.
- Test report shall be submitted after completion of work execution.

Note: In case of any faulty part taken out of any switchgear and replaced, the same shall be handed over to BHEL.