



# ASSAM ELECTRICITY GRID CORPORATION LIMITED

Regd. Off.: BIJULEE BHAWAN (FIRST FLOOR) PALTANBAZAR; GUWAHATI - 781001  
CIN: U40101AS2003SGC007238 GSTIN: 18AAFCA4973J9Z3

PHONE: 0361-2739520

Web: [www.aegcl.co.in](http://www.aegcl.co.in)



## Corrigendum-II

### **BID IDENTIFICATION NO: AEGCL/MD/Tech-309/O&M(LAR)/NDCP/33KV Feeder Sishugram)/Bid(R)**

With reference to the above bid document for the work namely "Turnkey construction of 33kV Feeder Bay along with associated works at 132kV Sishugram GSS for power supply to National Data Centre" against Bid Identification No. mentioned above, specifications for AC distribution box have been uploaded.

All other terms and conditions of the bidding document remain same.

**-Sd**

Chief General Manager (O&M), LAR  
Assam Electricity Grid Corporation Ltd  
Bijulee Bhawan, Guwahati - 1

Memo No. - AEGCL/MD/Tech-309/O&M(LAR)/NDCP/33KV Feeder Sishugram)/Part-I/12(a-b) Dtd: 05.04.24  
Copy to:

1. The DGM-IT, O/o the MD, AEGCL, for publication of the corrigendum notice in AEGCL website. (Soft copy enclosed)
2. Ref. file.

**-Sd**

Chief General Manager (O&M), LAR  
Assam Electricity Grid Corporation Ltd  
Bijulee Bhawan, Guwahati - 1

## ACDB Specification

### 1. LTAC PANEL (10 number of O/G feeders)

#### 1.1 General Arrangement

The 415 volts L.T.A.C. panels shall be indoor floor mountings sheet metal clad type comprising of MCCBs and MCBs and busbar chambers and equipped with circuits and equipment as specified. The different circuits shall be mounted above and below the bus bar chamber to form a suitable arrangement, except that the incomings will be located at the front and mounted below the bus bar chamber. All equipment shall be suitable for the reception of the cables rising from the ground level. The switchboards shall be so designed as to be readily extensible. IP rating of ACDB shall be IP-52 minimum.

Necessary indication to SAS shall be provided.

#### 1.2 Bus bars

The phase and neutral bus bars shall be of high conductivity copper of adequate uniform cross section. The busbars shall be insulated from the structure by means of durable non-hygroscopic, non-combustible and non-tracking materials. Busbar joints shall be of bolted type. Rating of busbar shall be of 415V, 630A, 25kA for 1 sec, copper busbar.

#### 1.3 Detail Requirements

The 415 Volts, L.T.A.C. Switchgears shall have two Bus Sections with following circuits and equipment:

a) INCOMING: Two numbers each fitted with following (for each Bus Section):

- i. 630 Amp, electrically operated, 4P MCCB and cable glands suitable for 4-core Armored XLPE cable labelled as 'INCOMING'.
- ii. One Voltmeter with VSS.
- iii. One Ammeter with ASS.
- iv. One K.W.H. meter with connected C.T.

b) BUS COUPLER: One number fitted with following:

- i. 630 Amp, 4P MCCB
- ii. One Ammeter with ASS.

c) OUTGOINGS: Each Bus Section shall have following numbers of MCBs for outgoing feeders:

- i. One number 160 Amps 4P MCCB. (total 2 nos)
- ii. One number 100 Amps 4P MCCB. (total 2 nos)
- iii. One numbers 63 Amps 4P MCCB. (total 2 nos)
- iv. One numbers 32 Amps 4P MCB. (total 2 nos)
- v. One numbers 16 Amps 2P MCB. (total 2 nos)

#### 1.4 Automatic AC Source Changeover

Automatic changeover between Incomer I and Incomer II is to be carried out during the failure of supply in any one of the incomers. After the restoration of the supply, system shall be restored to normal condition automatically. The requirement of changeover under various conditions are as below:

a) Under normal conditions i.e. when supply is available in both the incomers, incomers I & II of 415 V LTAC Panel shall be in closed condition and Bus Couplers breaker shall be in open condition.

b) In case of failure of either of the sources, the incomer of that source shall trip and Bus Coupler shall get closed. On restoration of supply, normal conditions described above are to be established automatically.

To avoid unnecessary operation of switchgear for momentary disturbances all changeovers from one state to another shall be initiated after a time delay, after the conditions warranting such change has been detected.

Any devices required to achieve the requirements above shall be deemed to be included in the scope of works.