NIT NO: CMC/BY/25-26/RS/SkS/ASR/30 (RFx - 2200000158)

Corrigendum 3			Dated 09.01.2026
Corrigendum regarding Technical Specification No. BSES-TS-166-CFLHV-R0:			
S.no	**Clause No. of Technical Specifications**	**Original Clause Description**	**Updated Requirements**
1	3.9	**Insulation Measurements / capacitive measurement:** Insulation measurement must function up to a minimum of 2 GΩ (plus a test voltage of 500 V minimum preferably 1000 V) with integrated capacity measurement up to a minimum of 19 µF. The insulation module should be fully controllable by the central control unit and be integrated in the system.	Insulation Measurements /Capacitive measurements : **Integrated** Insulation resistance measurement is must function up to a minimum of 2G Ohm (test voltage of 500 V minimum preferably upto min **5,000 V**) with integrated capacitance measurement up to a minimum of 19 µF. The insulation resistance module should be fully controllable by the central control unit and be integrated in the system.
2	3.10	**DC Testing** High Voltage DC Test operations up to a minimum 80kV shall be accessible from central control unit with automatic cut off after Breakdown or over current and recording & logging of Voltage and current during the testing period shall be provided The DC Module can be used for Dielectric testing of cables according to IEEE 400.1 and also as a HV power supply to charge the surge generator. The following minimum requirements must be fulfilled: DC Testing shall be available in minimum three steps: 0 – 8kV, 500 mA(Burning) 0 – 40kV, 250 mA(Burning) 0 – 80kV, 180 mA(Burning)	**DC Testing** High Voltage DC Test operations up to a minimum 32kV shall be provided. It shall be accessible from central control unit with automatic cut off incase of Breakdown or over current. Recording & logging of voltage and current during the testing period shall be provided. The DC Module can be used for Dielectric testing of cables according to IEEE 400.1 and also as a HV power supply to charge the surge generator. The following minimum requirements must be fulfilled: DC Testing shall be available in minimum three steps: 0 – 8kV, 500 mA(Burning) 0 – 16kV, 250 mA(Burning) 0 – 32kV, 125 mA(Burning)
3	3.13	**Fault Pinpointing** - The integrated surge generator should have Surge steps for ARM/SIM, ICE, ARM with double surge method/decay method as following: Voltage Range: i. For 11 KV Machine – 4 kV, 8 kV, 16 kV ii. For 33 & 66 KV Machine – 8 kV, 16 kV, 32 kV Energy Range: i. For 11 kV Machine – 2000 Joules (min) ii. For 33 & 66 kV Machine – 2400 Joules (min). The module should contain all the important safety features for the operator and the cable under test. The output voltage of the surge generator should be continuously adjustable between 0 and the maximum value of the selected range. All operations should be possible via the central control unit.	Fault Pinpointing - The integrated surge generator should have Surge steps for ARM/SIM, ICE, ARM with double surge method/decay method as following: Voltage Range: i. For 11 KV Machine – 4 kV, 8 kV, 16 kV ii. For 33 & 66 KV Machine – 8 kV, 16 kV, 32 kV Energy Range: i. For 11 kV Machine – **1000 Joules (min) @4kV,** 2000 Joules **(min) at 8/16kV** ii. For 33 & 66 kV Machine – **2000 Joules** (min) at 8/16/32kV The module should contain all the important safety features for the operator and the cable under test. The output voltage of the surge generator should be continuously adjustable between 0 and the maximum value of the selected range. All operations should be possible via the central control unit.
4	3.14 and 31.5	**VLF Testing ,Tan Delta Diagnosis and Partial Discharge measurement** 3. VLF Sinus/- For 11 kV: 21 kV rms(min),14 mA (min) For 33 kV & 66 kV: 84 kV rms(min), 20 mA (min)	**VLF Testing , Tan Delta Diagnosis and Partial Discharge measurement** i. For 11 kV: VLF Sinus 21 kV rms(min),14 mA (min) ii. **For 33 kV & 66 kV: VLF sinus upto min 1.15 Uo of 66 kV i.e. 44 kV(rms) and Beyond 44 kV (rms);** **"VLF Sinus upto min 1.5 Uo of 66 kV i.e. 57 kV rms" OR** **"VLF cosine rectangular of min 57 kV rms with DAC of min. 57 kV peak"**
5	3.12	Fault Prelocation c. To support the operator, the TDR should also have the feature.	Pulse amplitude of Time Domain Reflectometer shall be minimum 200V
6	Add-on	Deputation of one no's Technical manpower with each cable fault locating machine for duration of 6 months from the date of material dispatch. Deputed manpower shall work in coordination with BYPL Team in general shift (10:00 AM to 6:00 PM). Deputed technical manpower shall be utilized in training's of BYPL manpower during cable fault location and diagnostic activities. 2. In price bid: "Comprehensive AMC FOR 5 Year After Warranty Period for EHV and 11 kV Cable Fault Locating Machine"**instead of normal AMC.**	