Minutes — FAT witness, power transformer

Field	Detail
Date / site	20 Nov 2026 — transformer works, Hebei (anonymised: Supplier B)
Buyer	Middle-East utility contractor; present: FAT engineer, project QA
Interpreter	TEDIAN — transformer background, supplier side for 10 years
Unit	33/11 kV, 20 MVA, ONAN/ONAF, serial 20MVA-2607

1. Test sequence witnessed

Test	Standard / clause	Result	Witnessed
Winding resistance	IEC 60076-1, §11.2	Pass	yes
Ratio and polarity	IEC 60076-1, §11.3	Pass	yes
Impedance voltage	IEC 60076-1, §11.4	Pass (6.42% vs 6.4% declared)	yes
No-load loss and current	IEC 60076-1, §11.5	Pass	yes
Load loss	IEC 60076-1, §11.6	Pass	yes
Temperature rise	IEC 60076-2	Not witnessed	no — plant ran it earlier
Lightning impulse	IEC 60076-3	Not witnessed	no — separate test slot
Insulation resistance / PI	IEC 60076-1	Pass	yes

2. Findings

Item	Observation	Evidence	Risk
Temperature rise	Report was issued three weeks ago; the buyer had not seen it before arriving	Report TR-26-088, dated 30 Oct	H
Load loss	Measured at 20 °C, not corrected to reference temperature in the summary sheet	Test sheet p.2; correction in appendix only	M
Bushing torque	Nameplate torque value differs from the drawing (28 N·m vs 35 N·m)	Nameplate photo vs drawing 20MVA-EL-07	H
Oil test	Breakdown voltage tested on site in front of us; moisture not measured	Witnessed at the oil lab	M
Deviation log	Two deviations raised verbally were never written into the log	Log has no entries for 20 Nov	H

3. Open items

Item	Owner	Due	Status
Re-issue nameplate torque or drawing, one must change	Supplier B / design	27 Nov	open
Send temperature-rise report with the corrected summary	Supplier B / test	25 Nov	open
Record today's two deviations in the FAT log before the unit ships	Supplier B / QA	23 Nov	open

4. Next steps

- Buyer to confirm whether temperature rise must be witnessed or merely reported; this changes the FAT plan for the next two units.
- Do not accept the nameplate until the drawing conflict is resolved; a wrong torque value outlives the meeting.
- Minutes above are what the buyer receives within 24 hours — forwardable to the quality team without editing.

Note

Sample only. The value of the minutes is not the English — it is that the deviation was written down while the plant was still in the room.