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Title:

**Three-phase shell type transformer GSU 957 MVA
Main accessories list**

	Prepared	Checked	Approved
Nombre/Name			
Fecha/Date	21-Nov-2016	21-Nov-2016	21-Nov-2016
Rev/ Rev	Revision 2		

Component	Supplier	Model / Description
HV bushing	ABB Alamo	345Z3000SE (1175kV BIL)
LV bushing	ABB Alamo	T25B1600DB (150 kV BIL)
Neutral bushing	ABB Alamo	025W0412AT (150 kV BIL)
Tap changer (DETC)	ABB Components/Alamo	DTW™ de-energized tap changer
Motor drive	ABB Components/Alamo	DTW™ de-energized tap changer
Surge arrester	ABB Components	EXLIM- P (P258GA209A)
Surge Monitors	Siemens	3EX5 050
Aircooler	Unifin	FORZPFW-4S-40.5T-150.00F-5R-1P
Motorpump	Cardinal	31343 6x6
Oil flow indicator	QUALITROL	Serie 092
Current transformers	ALCE	
Self-dehydrating breather	WAIKESHA	ARDB2
Oil level indicator	QUALITROL	Serie 042 (for COPS system)
Gas accumulation indicator	QUALITROL	Type 038
Gas sample valve	COMEM	VLV-602-2
Electronic transformer monitor	APT	TTC 1000
Electronic pressure monitor	QUALITROL	Model 930
Rapid pressure rise relays	QUALITROL	Type 900
Bushings monitor	WEIDMANN	InsuLogix B
Oil temperature indicator	QUALITROL	Type AKM OTIWTI
Winding temperature indicator	QUALITROL	Type AKM OTIWTI
RTD	QUALITROL	Cu10
Pressure relief device	QUALITROL	Model 208 XPRD
Ball valves	GBEE	Stainless steel, lockable
Butterfly valves (for coolers and cooling equipment)	TTV	Type LUG
Hardware	Metric&Standard Hardware (Stainless steel M16 and hot galvanized>M16)	
Corrosion protection level	C4. ANSI 70 light gray (acc. Doc. Nº 1ZXX206536-PMB)	
External wiring	LAPP GROUP	MultiStandard SC 2.2
Transportation: Impact recorder (x2) Bottle transport (x2)	CARGOLOG	FAT 90 Dry air
Control cabinet protection class	IP56	