

SUMMARY SNAG LIST FOR ELECTRICAL EQUIPMENT

Pay Item	Equipment		Snag	Room No.
16120	Cables and wires		Terminate fibre optic cable in GIS room Test 110 kV cables Test 22 kV cables	
16140	Wiring Devices		Provide electrical plugs (British style) as loose items equal to number of sockets	
16220	Power Transformer	MT1	Bushings: Trapped air to be released in connection with oil filling Purify oil and top up Transformer with insulating oil Air breathers: Add oil too main tank breather Control cable incomings to be corrected in tap changer 110 kV cable termination earthing missing Tap changer box, repair paint to be done Demonstrate parallel operation of Power Transformers	101
		MT2	Bushings: Trapped air to be released in connection with oil filling Purify oil and top up Transformer with insulating oil Tape changer remote indication and control to checked later again Control cable incomings to be corrected 110 kV L1 cable termination earthing to be connected 110 kV L3 cable termination earthing missing	102
16245	High Voltage Switchgear	Diff Relay E01, E05	Add wire from 22 kV bus-copper, indicating parallel operation and test parallel operation	103
		Diff Relay E00 BB2	Replace defective relay in 110 kV GUS busbar protection panel and test	103
		E01, E02, E03, E04, E05	The following tests shall be carried out for all CT, VT: - Insulation test - Ratio test - Voltage test	103
16270	Transistion Yard	Transition Yard Transmission Line	Transition yard to be completed Complete Transmission Line snag list	
16320	Station Auxiliary Transformer	AT1, AT2	Change rating plate to English Connect the second grounding terminal with bare copper	106, 107
16345	Medium Voltage Switchgear	Comiss insp2 22 kV	Field installed CT:s steel frame to earthed 22 kV switchgear earthing to earthed whit second copper wire 22 kV cable incoming to sealed properly Bays J02 and J09 field installed CT wire routing to be corrected Add pad-locks to VT disconnectors Add Bay identification labels on front of panel Tighten the earth wire connections 22kV busbar to be tested (to be done by EVN) After CT-check add missing CT-labels	104
16425	Low Voltage Switchgear	Main AC-board	Switchgear cleaning T1 and T2 Tap changer label text to be corrected F31 terminal covers to be fixed Bay 04 steel cover to be fixed Elevator feeder label to be changed, to spare Grounding bar spare terminals to tighten Bus coupler bay the grounding bar to be installed on level Bay "12" Labeling to be changed to indicate separate UPS secured board, and clearly indicate which MCCB is the incomer Switchgear top cover to be put on alignment Switchgear to be bolted to steel structure Complete and test all LV Switchboard repairs/modifications when agreed as agreed between PMU, Engineer and Contractor	108
		DB1, DB2	Cable channel incoming to be sealed properly	117, 201

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Pay Item	Equipment		Snag	Room No.
16510	Interior Lighting		Complete small items - lighting as detailed on building inspection sheets	
16610	UPS	Main UPS	Add identification label on the UPS and for the battery Cleaning Bonding straps for the door to be installed Bolt the cabinet to the steel structure 2nd floor UPS steel covers to be fixed Install a bare copper grounding wire	105
16620	Diesel Generators		Diesel generator fuel tank vent cap missing (total of 2) Diesel spill tank drain drain line to be identified outside building (total of 2)	109 110
16630	Battery-charger System	Fuse boxes	Battery fuse boxes: Holes to be sealed	114
		Batteries	Battery room and battery rack cleaning	114
16630	Rectifier		Cleaning Use insulating tape in cables that have cable-plugs Bolt the cabinet to the steel structure Put a steel plate in the bottom back section Install a bare copper grounding wire, also for the change-over panel Install labels to indicate the used fuse ratings In the change-over panel change the label 1-0-2, to indicate Automatic operation-no output-Manual feed from AC-board busbar 2	105
16630	DC-board		Install a bare copper grounding wire Add following labels to panels front-doors: Out-going MCB:s, Inverter outgoing, Rectifier incoming feed MCCB	105
16660	Earthing and Lighting Protection Systems		Building lighting protection system to be completed Finncoil radiators on roof to be frame earthed Check tightness of all earth bar/grid bolt/nut connections	302
16720	Fire alarm, Detection and Suppression System		Complete Fire detection and alarm system and test	
16910	Inverter		Inverter 2 found to be broken, will be replaced by new one Cleaning Use insulating tape in cables that have cable-plugs inside the inverter Bolt the cabinet to the steel structure Put a stainless steel plate in the bottom back section Fuse-link protective cover missing Install a bare copper grounding wire Replace defective Inverter section in Inverter unit	105
16910	Distribution Monitoring & Control System	VDU	Scrashes on cube 5 Cube 4 must be checked (are the marks dirt or scratches) Horizontal and Vertical distortion from cubes to cubes (lines are not continue when crossing cubes) Background color varies from one cube to another VDU should be retuned VDU - main flat screen to be set up. Possible defects cube 5	201
		Communication Cabinet	LAN cable must be pulled inside the cable trunc Cable holes must be sealed to avoid mice or insect to get inside the cabinet Cabinet must be cleaned up	201
		LV Cabinet	Cable holes must be sealed to avoid mice or insect to get inside Cable trunc to be covered	201
Common			Provide descriptive name plates for all equipment eg label UPS, battery racks, transformer bays, etc. Calculate and set all relays for temporary operations	