

ADUTE ELECTRICALS			
REF. NO: ADLITE/20-21/808			
Project :			
Total qty. : 01 Set (1 I/C + 2 O/G VCB PANEL)			
BILL OF MATERIAL			
DESCRIPTION	MAKE	UNIT QTY	UNIT
01 NO. INCOMER			
VACUUM CIRCUIT BREAKER			
11kV, 800A, 18.4KA VCB DRAWOUT TYPE HAVING FOLLOWING ACCESSORIES: 230V AC SPRING CHARGING MOTOR 24V DC CLOSING COIL 24V DC SHUNT TRIP COIL AUX. CONTACT: 6NO+6NC OPERATING COUNTER MECHANICAL ON/OFF PUSH BUTTONS MECHANICAL INDICATORS FOR ON/OFF, SPRING CHARGED/DISCHARGED MANUAL SPRING CHARGING DEVICE.	ABB (V-D4)	1	NO.
INSTRUMENTATION TRANSFORMER			
CURRENT TRANSFORMER INDOOR SINGLE PHASE RESIN CAST RATIO: 200/5-5A CORE-2: 15VA, 5P10-PROTECTION CORE-1: 15VA CLASS : 0.5, METERING	SAVIO/AVCON	P	NO.
POTENTIAL TRANSFORMER FIX TYPE INDOOR SINGLE PHASE RESIN CAST RATIO: 11KV/V3/110V/V3 100VA, CLASS: 0.5 BIL : 12KV/28KVrms/75kvp	SAVIO/AVCON	P	NO.
12KV, 3.15A P.T. FUSE LINKS	PANICKER / REPUTED	P	NO.
INDICATING METERS			
DIGITAL AMMETER WITH ASS	SECURE	P	NO.
DIGITAL VOLT METER WITH VSS	SECURE	P	NO.
PROTECTION RELAY & ACCESSORIES			
3 O/C & 1 E/F NUMERICAL RELAY	C&S/CGL/ASHIDA	P	NO.
MASTER TRIP RELAY	C&S/CGL/ASHIDA	P	NO.
PLA RELAY FOR ANTIPUMPING	ABB/PLA	P	NO.
INDICATION LAMP & ACCESSORIES			
INDICATING LAMP (22.5mm DIA), 110VDC BREAKER ON : RED BREAKER OFF : GREEN SPRING CHARGED : BLUE AUTO TRIP : AMBER	ESBEE/ABB	P P P P	NO. NO. NO. NO.
INDICATING LAMP (22.5mm DIA), 63.5V AC R' PHASE HEALTHY - RED Y' PHASE HEALTHY - YELLOW B' PHASE HEALTHY - BLUE	ESBEE/ABB	P P P	NO. NO. NO.
MCB DOUBLE POLE ,10kA,6A SINGLE POLE 10kA,6A AUX. CONTACTOR 2NO+2NC BREAKER CONTROL SWITCH (TNC) 25A SELECTOR SWITCH 2P 2W WITH OFF 6A HOOTER 110V DC	ABB/HAVELLS	P P P P P	NO. NO. NO. NO. NO.
STRIP HEATER 100W, 218.4V AC	REPUTED	P	NO.
THERMOSTATE, 0-60°C DEGREE CELCIUS , 218.4V AC	REPUTED	P	NO.
EMERGENCY STOP PUSH BUTTON 22.5mm OD	REPUTED	P	NO.
ILLUMINATION PUSH BOTTON 110V DC	REPUTED	P	NO.
15A 218.4VAC 3 PIN POWER SOCKET WITH ON-OFF SWITCH	REPUTED	P	NO.
5W, 218.4VAC, LED BULB	REPUTED	P	NO.
DOOR LIMIT SWITCH FOR CUBICAL LAMP	REPUTED	P	NO.
10A, 218.4V AC, TOGGLE SWITCH	REPUTED	P	NO.
32A NEUTRAL LINK	REPUTED	P	NO.
C.T. TERMINAL 6mm	CONNECTWELL	P	NO.
END PLATE FOR ABOVE		P	NO.
P.T. TERMINAL 6mm	CONNECTWELL	P	NO.
END PLATE FOR ABOVE		P	NO.



02 NOS. OUTGOING			
VACUUM CIRCUIT BREAKER			
11kV, 800A, 18.4kA VCB DRAWOUT TYPE	ABB (V-D4)	2	NO.
HAVING FOLLOWING ACCESSORIES:			
230V AC SPRING CHARGING MOTOR			
24V DC CLOSING COIL			
24V DC SHUNT TRIP COIL			
AUX. CONTACT: 6NO+6NC			
OPERATING COUNTER			
MECHANICAL ON/OFF PUSH BUTTONS			
MECHANICAL INDICATORS FOR ON/OFF,			
SPRING CHARGED/DISCHARGED			
MANUAL SPRING CHARGING DEVICE.			
INSTRUMENTATION TRANSFORMER			
CURRENT TRANSFORMER INDOOR SINGLE PHASE RESIN CAST RATIO: 100/5-5A CORE-2: 15VA, 5P10-PROTECTION CORE-1: 15VA CLASS : 0.5, METERING	SAVIO/AVCON	P	NO.
INDICATING METERS			
DIGITAL AMMETER WITH ASS	SECURE	P	NO.
PROTECTION RELAY & ACCESSORIES			
3 O/C & 1 E/F NUMERICAL RELAY	C&S/CGL/ASHIDA	P	NO.
MASTER TRIP RELAY	C&S/CGL/ASHIDA	P	NO.
AUX. RELAY FOR TRF. PROTECTION	C&S/CGL/ASHIDA	P	NO.
PLA RELAY FOR ANTI-PUMPING	ABB/PLA	P	NO.
INDICATION LAMP & ACCESSORIES			
INDICATING LAMP (22.5mm DIA), 110VDC	ESBEE/ABB	P	NO.
BREAKER ON : RED		P	NO.
BREAKER OFF : GREEN		P	NO.
SPRING CHARGED : BLUE		P	NO.
AUTO TRIP : AMBER		P	NO.
MCB	ABB/HAVELLS		
DOUBLE POLE ,10kA,6A		P	NO.
SINGLE POLE 10kA,6A		P	NO.
BREAKER CONTROL SWITCH (TNC) 25A	SALZER/REPUTED	P	NO.
SELECTOR SWITCH 2P 2W WITH OFF 6A	SALZER/REPUTED	P	NO.
HOOTER 110V DC	ADITYA	P	NO.
STRIP HEATER 100W, 218.4V AC	REPUTED	P	NO.
THERMOSTATE, 0-60°C DEGREE CELCIUS , 218.4V AC	REPUTED	P	NO.
EMERGENCY STOP PUSH BUTTON 22.5mm OD	REPUTED	P	NO.
ILLUMINATION PUSH BOTTON 110V DC	REPUTED	P	NO.
15A 218.4VAC 3 PIN POWER SOCKET WITH ON-OFF SWITCH	REPUTED	P	NO.
5W, 218.4VAC, LED BULB	REPUTED	P	NO.
DOOR LIMIT SWITCH FOR CUBICAL LAMP	REPUTED	P	NO.
10A, 218.4V AC, TOGGLE SWITCH	REPUTED	P	NO.
32A NEUTRAL LINK	REPUTED	P	NO.
C.T. TERMINAL 6mm	CONNECTWELL	P	NO.
END PLATE FOR ABOVE		P	NO.