

SUB - CONSUMER SWITCHROOM : RING MAIN UNIT SPECIFICATION

UNIT TYPE AND RATING:

- 50Hz. SF6 3-WAY RING MAIN UNIT RATED AT 630A FULL LOAD CURRENT.
- 20kA FAULT LEVEL FOR 1 sec. AT 50Hz.
- 28kV IMPULSE RMS WITHSTAND VOLTAGE AT 50Hz.

CONFIGURATION:

- 2No. 630A LOAD MAKE, FAULT BREAK SWITCH DISCONNECTORS FOR MUNICIPAL SUPPLY CABLING.
- 1No. 200A SF6 T-OFF CIRCUIT BREAKER FOR TRANSFORMER CABLING.
- INTEGRAL EARTH SWITCHES ON SWITCH DISCONNECTORS AND CIRCUIT BREAKER.

PROTECTION AND INDICATION:

- RING MAIN EARTH FAULT AND OVER CURRENT INDICATION RELAY ON FEEDER LEG
- ELECTRONIC SELF-POWERED ADJUSTABLE TYPE PROTECTION.(VIP 400 OR EQUIVALENT)
- CABLE ALIVE INDICATORS – CABLES
- OPEN, CLOSED, TRIP INDICATION

CABLE ENTRIES

- CABLE BOX WITH REMOVABLE GLAND PLATE ON BOTTOM, WITH NO CROSS BRACE, SUITABLE FOR RAYCHEM HEAT SHRINK TERMINATION, CABLE GLAND AND ELASTIMOLD SCREENED CONNECTORS. FOR TRANSFORMER FEED.
- 6,35/11kV 95mm. 3 CORE XLPE RING FEEDS.

FACTORY TESTS:

- PRESSURE TESTED<sub>2</sub>
- OPERATION OF PROTECTION.
- FUNCTIONAL TEST ON ISOLATORS AND CIRCUIT BREAKERS.

SITE/COMMISSIONING TESTS:


- PRESSURE TEST
- PHASE ROTATTION
- PROTECTION OPERATION.
- FUNCTIONAL TEST ON ISOLATORS AND CIRCUIT BREAKERS.
- SETTING OF PROTECTION.

GENERAL ARRANGEMENT:

- ALL NECESSARY SAFETY AND IDENTIFICATION LABELLING.
- INDOOR TYPE MOUNTED ON A 600mm. BOX STAND

COLOUR:

- COMPLETE UNIT INCLUDING CABLE BOXES AND BOX STAND TO BE GREY

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A	General Revision					KS	26/02/20	MK				
0	Original Issue					VT	22/02/18	AM				
REV.	DESCRIPTION					BY	DATE	CHKD.	LAYERS:			
ENGINEER		DRAWN	DATE	SCALE	CHKD.	TITLE:			PROJECT No.	DRG. No.	REV:	
MK		VT	NOV'17	nts					GOVERNMENT PRINTING WORKS	17052	605	
				PAPER SIZE	Substation Consumer Switchroom - Consumer Ring Main Unit Specification							
				A3								