

6.3MVA Multi-tap Transformer Substation Data Sheet			
1	Model		Containerised
2	Maximum Ambient	°C	40
3	Electrical Rating		6300kVA, 0.8pf
4	Transformer		
	Manufacturer		ABB
	Type		-
	Quantity		2
	Rated Output		6300kVA (2 x 3150kVA) 7500kVA (2 x 3750kVA) With fans running
	Rated Voltages		
	Rated High Voltages	YNyn0	20kV ±10%
			15kV (@max 2500kVA)
			10kV ±10%
		Dyn11	11.5kV ±10%
			5.7kV ±10%
	Rated Low Voltage		0.40kV
	Type of Cooling		3150kVA ONAN /3750kVA ONAF
	Impedance (each transformer)		6.5% at 3150kVA ,50Hz
	No Load Losses (each transformer)		3400W, 50Hz
	Load Losses (each transformer)		32000W, 50Hz
5	LV Switchgear		
	Manufacturer		Holec
	Type		QP2500N2
	Number of Poles		4
	Rating		2500A
6	HV Switchgear		
	Manufacturer		ABB
	Type		SafePlus
	Transformer Incomers		2 off SafePlus
	Nominal Voltage		24kV
	Nominal Current		630A
	Breaking Current		12kV : 21kA
	Making Current		12kV : 52.5kA 24kV : 40kA
	HV Cable Feeders		2 off SafePlus
	Nominal Voltage		24kV
	Nominal Current		630A
	Peak Withstand Current		12kV : 63kA & 24kV : 50kA
	Short time Withstand Current (3 sec)		12kV : 21kA & 24kV : 21kA

7	Electrical Terminations		
	LV		M12
	HV		M12
8	Overall Dimensions		
	Length	Metres (feet)	6.06 (20'0")
	Width	Metres (feet)	2.44 (8'0")
	Height	Metres (feet)	2.59 (8'6")
9	Weight	Kg (lbs)	21000 (46297)
	Other information		
	Comments:		