

## ELECTRICAL EQUIPMENT FOR REFURBISHMENT OF THE INLET WORKS AT RIETSPRUIT WASTEWATER TREATMENT WORKS

### TECHNICAL DATA SHEETS

#### TECHNICAL DATA SHEET NO B2.1

#### SITE CONDITIONS

1	2	3	4
Item	Description	Specified	Offered
B2.1.1	<b>Site conditions</b> a) Site location b) Altitude above sea level m c) Maximum ambient summer temperature °C d) Minimum ambient winter temperature °C e) Mean annual temperature °C f) Humidity % g) Atmospheric conditions h) Pollution level	Rietspruit WWTW, Vereeniging 1434 36 -4 18 2 High lightning incidence Severe	

<b>TECHNICAL DATA SHEET NO B2.2 SWITCHBOARDS, MOTOR CONTROL CENTRES AND SWITCHGEAR</b>		
<b>No</b>	<b>Item</b>	<b>Offered</b>
B2.2.1	<u>Enclosure</u>	
	Material Colour	
B2.2.2	<u>Busbars</u>	
	Material Current density	
B2.2.3	<u>Moulded case circuit breakers</u>	
	Manufacturer Type In accordance with specification	
B2.2.4	<u>Main Isolators</u>	
	Manufacturer Type In accordance with specification	
B2.2.5	<u>Selector Switches</u>	
	Manufacturer Type In accordance with specification	
B2.2.6	<u>Air Circuit Breakers</u>	
	Manufacturer Type In accordance with specification	
B2.2.7	<u>Contactors</u>	
	Manufacturer Type In accordance with specification	
B2.2.8	<u>Control Relays</u>	
	Manufacturer Type In accordance with specification	
B2.2.9	<u>Earth Leakage Relays</u>	
	Manufacturer Type In accordance with specification	

<b>No</b>	<b>Item</b>	<b>Offered</b>
B2.2.10	<u>Pushbuttons</u>	
	Manufacturer	
	Type	
	In accordance with specification	
B2.2.11	<u>Field Control stations</u>	
	Manufacturer	
	Type	
	In accordance with specification	
B2.2.12	<u>Voltmeters</u>	
	Manufacturer	
	Type	
	In accordance with specification	
B2.2.20	<u>Ammeters</u>	
	Manufacturer	
	Type	
	In accordance with specification	
B2.2.21	<u>Power and energy meters</u>	
	Manufacturer	
	Type	
	In accordance with specification	
B2.2.22	<u>Local Isolators 20 A Triple Pole</u>	
	Manufacturer	
	Type	

<b>TECHNICAL DATA SHEET NO B2.3</b>		
<b>MOTOR STARTERS</b>		
<b>No</b>	<b>Item</b>	<b>Offered</b>
B2.3.1	<u>Direct On Line Starter up to 1.5 kW</u>	
	Manufacturer	
	Model	
	Rating	
	Rated current	
B2.3.2	<u>Direct On Line Starter 2.2 kW</u>	
	Manufacturer	
	Model	
	Rating	
	Rated current	
B2.3.3	<u>Direct On Line Starter 4 kW</u>	
	Manufacturer	
	Model	
	Rating	
	Rated current	
B2.3.4	<u>Direct On Line Starter 5-6 kW</u>	
	Manufacturer	
	Model	
	Rating	
	Rated current	

<b>TECHNICAL DATA SHEET NO B2.4 SITE LIGHTING EQUIPMENT</b>		
<b>No</b>	<b>Item</b>	<b>Offered</b>
B2.4.1	<u>Pole</u>	
	Manufacturer	
	Type	
	In accordance with specification	
<b>No</b>	<b>Item</b>	<b>Offered</b>
B2.4.2	<u>Floodlight</u>	
	Manufacturer	
	Type	
	Power consumed	
	Ingress protection rating	
	Luminous flux output	