

SCHEDULE 1: BILL OF QUANTITIES

C2.2.1 SECTION 1: PRELIMINARY AND GENERAL COSTS

Item No.	Description	U O M	Qty (A)	Rate (B)		Total (A*B)	
				R	c	R	c
1,1	Full compliance to legislative requirements as well as Rand Water and external standards referred to in this contract document. (This shall include but is not limited to the requirements of the OSH Act and associated regulations).	Sum	1			0	
1,2	Additional Documentation eg. Quality Control Documents and Test Certificates etc	Sum	1	N/A		0	
1,3	Third Party Inspections	Sum	1	N/A		0	
TOTAL CARRIED FORWARD TO SUMMARY						R	-

SCHEDULE 1.2: Supply, Deliver, Install and Commission Battery Chargers and Batteries at Mapleton Engine Room 1 pumping station, Zwartkopjes Engine room 3,1, Palmiet ER3 and Eikenhof Engine room 3 pumping station.							
ITEM NO.	SHORT DESCRIPTION	UOM	QTY (A)	RATE (B)		AMOUNT (A*B)	
				R		R	
1.2A	Design, Manufacture, Deliver, Install and Commission industrial battery chargers and batteries according to an approved Rand Water spec						
1.2.1	Supply your own 110V DC @ 12 Amp Minimum to connect to the existing load for the duration of the entire work of Chargers and Batteries. This must be done to ensure the plant continues with normal operation during the charger and batteries replacement. (backup 110 DC power supply)		1				
1.2.2	Design, Manufacture, Deliver, Install and Commission industrial battery charger according to the approved Rand Water specification at Zwartkopjes Engine room 3		1				
1.2.3	Design, Manufacture, Deliver, Install and Commission industrial battery charger according to the approved Rand Water specification at Mapleton Engine room 1		1				
1.2.4	Design, Manufacture, Deliver, Install and Commission industrial battery charger according to the approved Rand Water specification at Eikenhof Engine room 3		1				
1.2.5	Design, Manufacture, Deliver, Install and Commission industrial battery charger according to the approved Rand Water specification at Zwartkopjes Engine room 1		1				
1.2.6	Design, Manufacture, Deliver, Install and Commission industrial battery charger according to the approved Rand Water specification at Palmiet Engine room 3		1				
1.2.7	Supply, Deliver, Install and Commission SBS110 Hawker Energy batteries or equivalent technology at Zwartkopjes Engine room 3		18				

1.2.8	Supply, Deliver, Install and Commission SBS110 Hawker Energy batteries or equivalent technology at Zwartkopjes Engine room 1		18				
1.2.9	Supply, Deliver, Install and Commission SBS110 Hawker Energy batteries or equivalent technology at Palmiet Engine room 3		18				
1.2.10	Supply, Deliver, Install and Commission SBS110 Hawker Energy batteries or equivalent technology at Eikenhof Engine room 3		18				
1.2.11	Supply, Deliver, Install and Commission SBS110 Hawker Energy batteries or equivalent technology at Mapleton Engine room 1		18				
1.2.12	Supply spare SBS110 Hawker Energy or equivalent technology batteries		2				
1.2.13	Supply COC(certificate of Compliance) for the electrical installation		4				
1.2.14	Update Rand water drawings on Rand Water approved template to reflect the changes after installation and commission		4				
1.2.15	Should the charger brand be different from existing brands in Rand Water, provide basic training with regards to operation, fault finding and general maintenance to all team members on two different days (All Operations and Maintenance personnel)		2				
1.2.16	Provide Rand Water with recommended spare parts list and quantities		1				
TOTAL CARRIED FORWARD TO SUMMARY						R	-
TOTAL CARRIED FORWARD TO SUMMARY						#REF!	
SCHEDULE 1.4: MANDATORY HANDOVER OF CHARGES AND BATTERIES							
ITEM NO.	SHORT DESCRIPTION	UOM	QTY (A)	RATE (B) R	AMOUNT (A*B) R		

1,3	HANDOVER OF BATTERY CHARGES AND BATTERIES TO SITE.						
1.3.1	Install and commission chargers on site according to the latest SANS10142 regulation.		2				
1.3.2	Site inspection and tests		2				
1.3.3	Test Certificates		2				
1.3.4	Update Rand water drawings on Rand Water approved template to reflect the changes after installation and		2				
1.3.5	Operating and maintenance manuals		2	As per 1.3.9			
TOTAL CARRIED FORWARD TO SUMMARY						R	-

SUMMARY OF PRICE SCHEDULE

SCHEDULE	DESCRIPTION
SCHEDULE 1.1	TOTAL BROUGHT FORWARD - PRELIMINARY AND GENERAL COSTS
SCHEDULE 1.2A	TOTAL BROUGHT FORWARD - Supply, Deliver, Install and Commission Battery Chargers and Batteries at Zwartkopjes Engine room 3 and Mapleton Engine room 1.
SCHEDULE 1.3C	TOTAL BROUGHT FORWARD - HANDOVER TO SITES
TOTAL AMOUNT EXCLUDING VALUE-ADDED TAX (VAT)	
CONTIGENCIES @ 10% OF TOTAL AMOUNT	
SUB-TOTAL	
PROVISION FOR VALUE ADDED TAX (VAT) AT 15%	
TOTAL AMOUNT TAKEN TO SECTION C1.1 – FORM OF OFFER AND ACCEPTANCE	

TOTAL	
R	C
R	-
R	-
R	-
R	-
R	-