

Item	Description	Unit	Rate
N4	Hot Water Heaters		
	Supply and delivery.		
N4.1	10 litre, 230V, 50Hz, 2400Watt, 340mm wide x 205mm deep x 630mm high, Instant boiling water dispenser with recovery rate of 1.5 cups per minute, white epoxy. (10 litre Zip Hydroboil Code 2610012 or equivalent).	no.	
N4.2	10 litre, 800kPa, under basin mounted, electric water heater including thermostat, 1.5kW element and safety valve. (KWIKOT Code: Prisma Deluxe 10lt Under Basin or equivalent).	no.	
N4.3	150 litre, 600kPa, Geyser including thermostat, 3kW element, drain cock and safety valve, standard or slimline. (KWIKOT Code: ESG-150 600 Dual Slimline or EF-150-2D 600 Dual Standard, IPX4 or equivalent).	no.	
N4.4	3.5kW heating capacity heat pump, 150L water heater capacity, 900W input power, 75lt/h output (KWIKOT Code: Domestic Standard Heat Pump HP-003 or equivalent).	no.	

N5	Drainage Pumps		
	Supply and delivery.		
N5.1	0.55kW, 220V Submersible Drainage Pump with Automatic Float Switches, Minimum Operating Requirements: Flow Max 166l/min and Head Max 9m.	no.	
N5.2	0.75kW, 220V Submersible Drainage Pump with Automatic Float Switches, Minimum Operating Requirements: Flow Max 300l/min and Head Max 12m. Capable of pumping dirty water with solid particle size up to 38mm.	no.	

N6	SCADA LOGGING SYSTEM		
	Supply and delivery.		
N6.1	SCADA PC including monitor, keyboard and mouse peripherals complete.	no.	
N6.2	Administrative PC including monitor, keyboard and mouse peripherals complete.	no.	
N6.3	Industrial PC (IPC)	no.	
N6.4	Moxa Profinet compatible 16 port switch.	no.	
N6.5	Moxa Profinet compatible 5 port switch.	no.	
N6.6	Enclosure, wall mounted with racks, minimum 15U adequately sized for PS and Network Attached Storage (NAS).	no.	
N6.7	1500VA UPS, minimum run time 30minutes during power failure	no.	
N6.8	Backup Network Attached Storage (NAS), 2TB Synology or equivalent	no.	
N6.9	SCADA licensing, unlimited Perspective Ignition	no.	
N6.10	Windows 11 Pro or equivalent	no.	

O	EXTRA OVER		
O1.1	Allow for provisional sum for the selection, supply, delivery to site and installation of any component, material or spare not detailed above. As per SCM policy.	Prov-Sum	R200 000.00
O1.2	Allow for profit on the above provisional sum.	%	