

1. ACTIVITY SCHEDULES:

All prices **exclude Vat** and additional items listed (with prices) shall be clearly labelled as optional or essential.

Item	Qty	Price per item	Total Price
Next to SOE new bay			
Clear, prepare surface, construct new concrete slab (size 10m x 30m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Pressed Stainless Steel Water tank 80000ℓ. <ol style="list-style-type: none"> Tank type: Pressed Stainless steel sectional water tank constructed with hydraulically flanged panels. Material: Tank panels, tie rods, stays cleats must be made of stainless-steel Grade 304 Flanges of plates: Tank panels pressed with a 90-degree. Ladder: Internal ladder shall be made of stainless steel 304 and external ladder must be Aluminium 	1		
50mm to 150mm reducer	3		
50mm to 250mm reducer	3		
ND250 gate valve	6		
ND150 gate valve	6		
65mm ball valves with PVC flanges	2		
8-inch PVCu (Class 16)	20m		
10-inch PVCu (Class 16)	15m		
8-inch 45 degrees elbow	5		
10-inch 90 degrees elbow	5		
10-inch Straight coupler	5		
10-inch 45 degrees elbow	5		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	2		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	2		
<u>Motor coupled with pump.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 55 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. 	3		
<u>Pump</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with pedestal oil lubrication Delivery specification – max 15 bar @ 65m ³ /h			

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<ul style="list-style-type: none"> Pump efficiency – 36.8 %-Discharge size: 50 mm, Suction size: 65 mm Pump and motor base – with motor and pump readily coupled and aligned. Pump and motor coupling. 			
Item	Qty	Price per item	Total Price
A18			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe.	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m3/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		

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VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A48			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve			
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		

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<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. 	1		
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
HR			
Item	Qty	Price per item	Total Price
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must be vertical, and SABS approved in accordance with SANS	1		

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1731:2017 standard			
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> • Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. • Power output: 15 kw. • Power supply: 3 phase 400V AC 50hz, Power factor :0.9 • Efficiency of 89% or more Speed: 2900 r/min speed. 	1		
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> • Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		

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Item	Qty	Price per item	Total Price
A17			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve			
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		

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Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A20			
Plinth, design, and construction	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe.	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve.			
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe.	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u>	1		

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<ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <p><u>Pump- Closed couple mono block</u></p> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm 			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A50			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		

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Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 11kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump – closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block - max 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm Pump and motor coupling.	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
Canteen			
Clear, prepare surface, construct new concrete slab (size	1		

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5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath			
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<p><u>Motor coupled with pump- Closed couple mono block.</u></p> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <p><u>Pump- Closed couple mono block</u></p> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h <p>Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm</p>	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		

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Item	Qty	Price per item	Total Price
A16 (Redundancy)			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. 	2		
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		

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Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A15			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. 	1		
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		

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Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A46			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> • Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. • Power output: 15 kw. • Power supply: 3 phase 400V AC 50hz, Power factor :0.9 • Efficiency of 89% or more Speed: 2900 r/min speed. 	1		
Item	Qty	Price per item	Total Price
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> • Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm,			

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Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A44			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe.	5		
T piece with flanges to connect to 2-inch PVC pipe			
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe.	1		

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Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A14			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		

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T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A13			
Clear, prepare surface, construct new concrete slab (size	1		

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5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath			
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<p><u>Motor coupled with pump- Closed couple mono block.</u></p> <ul style="list-style-type: none"> • Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. • Power output: 15 kw. • Power supply: 3 phase 400V AC 50hz, Power factor :0.9 • Efficiency of 89% or more Speed: 2900 r/min speed. <p><u>Pump- Closed couple mono block</u></p> <ul style="list-style-type: none"> • Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h <p>Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm</p>	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		

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65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A42			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> • Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. • Power output: 15 kw. • Power supply: 3 phase 400V AC 50hz, Power factor :0.9 • Efficiency of 89% or more Speed: 2900 r/min speed. 	1		

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<u>Pump- Closed couple mono block</u> • Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m ³ /h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A12			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe.	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		

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<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. 	1		
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A40			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with adapter to	5		

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connect to 2-inch PVC pie			
T piece with flange adaptor to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator			
Electrical actuator ball valve, controlled by level indicator sensor, with an adaptor to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm	1		
T compression, 2 inches	1		
Motor coupled with pump	1		
Non-return valves	2		
42mm PVCu (Class 16)	15m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
Certificate of compliance	1		
Item	Qty	Price per item	Total Price
A34			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with adapter to connect to 2-inch PVC pie	5		
T piece with flange adaptor to connect to 2-inch PVC pipe,	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator			
Electrical actuator ball valve, controlled by level indicator sensor, with an adaptor to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm	1		
T compression, 2 inches	1		
Motor coupled with pump	1		
Non-return valves	2		
42mm PVCu (Class 16)	15m		

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Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
Certificate of compliance	1		
Item	Qty	Price per item	Total Price
A9			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h 	1		

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Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A39			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> • Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. • Power output: 15 kw. • Power supply: 3 phase 400V AC 50hz, Power factor :0.9 • Efficiency of 89% or more Speed: 2900 r/min speed. 	1		

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<u>Pump- Closed couple mono block</u> • Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m ³ /h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
The contractor to make provision for power cables, connect to nearest DB's and control panels.			
Item	Qty	Price per item	Total Price
A5 (Redundancy)			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		

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T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m3/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	2		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A4			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		

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Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. 	1		
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A8			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		

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Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
Alstom Park homes D5-D8			
Plinth, design, and construction	1		
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must	1		

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be vertical, and SABS approved in accordance with SANS 1731:2017 standard			
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. 	1		
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		

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Item	Qty	Price per item	Total Price
Nagoya opp. new FOE			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		

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Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
A45 (Redundancy)			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> • Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. • Power output: 15 kw. • Power supply: 3 phase 400V AC 50hz, Power factor :0.9 • Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> • Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	2		

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VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
Admin A and B			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 20000ℓ Ø 2750 mm x H 3500 The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Pressed Stainless Steel Water tank 3000ℓ. to be placed above place above admin block A and Block B <ol style="list-style-type: none"> Tank type: Pressed Stainless steel sectional water tank constructed with hydraulically flanged panels. Material: Tank panels, tie rods, stays cleats must be made of stainless-steel Grade 304 Flanges of plates: Tank panels pressed with a 90-degree. Ladder: Internal ladder shall be made of stainless steel 304 and external ladder must be Aluminium 	2		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		

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T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m3/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Bayhead Wagons			
Repair siding			
Item	Qty	Price per item	Total Price
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and	1		

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water proofing membrane underneath			
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. 	1		
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Kings Rest Tank Washout			
Item	Qty	Price per item	Total Price

Signature of Bidder/s: _____

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Plinth, design, and construction	1		
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. 	1		
<u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Kings Rest Yard			
Item	Qty	Price per item	Total Price
Clear, prepare surface, construct new concrete slab (size	1		

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5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath			
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Bayhead Yard			
Item	Qty	Price per	Total Price

Signature of Bidder/s: _____

Date: _____

		item	
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> • Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. • Power output: 15 kw. • Power supply: 3 phase 400V AC 50hz, Power factor :0.9 • Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> • Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		

Signature of Bidder/s: _____

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Item	Qty	Price per item	Total Price
Bayhead Out-Services			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 2500ℓ Ø 1300 mm x H 1800 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 	1		
<ul style="list-style-type: none"> Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @	1		

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10 bar)			
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Wentworth Diesel Depot			
Item	Qty	Price per item	Total Price
Next to Canteen and Boiler Room			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 10000ℓ Ø 2200 mm x H 3000 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m3/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components	1		

Signature of Bidder/s: _____

Date: _____

and control system			
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
New shed building			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 10000ℓ Ø 2200 mm x H 3000 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
Motor coupled with pump- Closed couple mono block.	1		

Signature of Bidder/s: _____

Date: _____

<ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <p><u>Pump- Closed couple mono block</u></p> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h <p>Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm</p>			
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
Trade hands abluion by the gate			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 10000ℓ Ø 2200 mm x H 3000 mm The The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		

Signature of Bidder/s: _____

Date: _____

T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m3/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
Ablution block by sand house			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 10000ℓ Ø 2200 mm x H 3000 mmThe tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve			
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		

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Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m3/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
Breakdown section			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete.	1		

Signature of Bidder/s: _____

Date: _____

Sensor, radar technology level indicator to give signal to actuator valve.			
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe.	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <p><u>Pump- Closed couple mono block</u></p> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h <p>Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm</p>	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Masons Mill			
Item	Qty	Price per item	Total Price
Next to main shed building			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 10000ℓ Ø 2200 mm x H 3000 mm The tank must be vertical, and SABS approved in accordance with SANS 1731:2017 standard	1		
Reducer, 54mm x 42mm	1		

Signature of Bidder/s: _____

Date: _____

Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <p><u>Pump- Closed couple mono block</u></p> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h <p>Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm</p>	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Item	Qty	Price per item	Total Price
Ablutions (Male & Female)			
Clear, prepare surface, construct new concrete slab (size 5m x 5m x 0.2m) 30Mpa/19mm concrete slab on a compacted surface with Ref 245 mesh (galvanised) and water proofing membrane underneath	1		
Water tank 5000ℓ Ø 1800 mm x H 2150 mm The tank must be vertical, and SABS approved in accordance with SANS	1		

Signature of Bidder/s: _____

Date: _____

1731:2017 standard			
Reducer, 54mm x 42mm	1		
Mechanical ball valve, 2 inches galvanised with flanges to connect to 2-inch PVC pipe	5		
T piece with flanges to connect to 2-inch PVC pipe	1		
Electrical control panel, wired and complete	1		
Sensor, radar technology level indicator to give signal to actuator valve	1		
Electrical actuator ball valve, controlled by level indicator sensor, with flanges to connect to 2-inch PVC pipe	1		
Ball valve @ 65mm with flanges for PVC pipe.	1		
T compression fitting, 2 inches	2		
<u>Motor coupled with pump- Closed couple mono block.</u> <ul style="list-style-type: none"> Motor shall have the SABS approval and the manufacturer shall have the recognized and valid ISO 9001: Quality certificate. Power output: 15 kw. Power supply: 3 phase 400V AC 50hz, Power factor :0.9 Efficiency of 89% or more Speed: 2900 r/min speed. <u>Pump- Closed couple mono block</u> <ul style="list-style-type: none"> Pump type – centrifugal pump with closed couple mono block – 10 bars @ 20m³/h Pump efficiency – 36.8 %-Discharge size: 40 mm, Suction size: 65 mm	1		
VSD, compatible with motor, pump, rest of components and control system	1		
2-inch non-return valve copper pipe compression fitting	1		
2-inch PVCu (Class 16)	25m		
65mm PVCu (Class 16)	1.5m		
Accumulator pressure tank (to handle 100 – 200 litres @ 10 bar)	1		
VSD, compatible with motor, pump, rest of components and control system	1		
Gauge	1		
Testing and commissioning.	1		
The electrical contractor shall do the electrical installation, test, and issue the COC.	1		
Total (Excl. VAT) to tender form			R

Name: Zolani Mngqithi Designation: Engineering Technician Signature and date:  04.03.2024

Name: Stanley Mchunu Designation: Project Manager Signature and date: 

Name: Mhlonipheni Nxumalo Designation: Executive Manager Signature and date: 

Signature of Bidder/s: _____

Date: _____