



REQUEST FOR BID CIDB

Scope of Work-10415959

Lifting equipment's and Lifting tackles such as Overhead Cranes, Slings, Chain blocks, Lifting Beams, Shackles, Car hoist/ Car lift, Hydraulic Jacks etc., are used to lift heavy machinery and the equipment's should be load tested to ensure there are no defects that can cause the equipment's to fail under load. This equipment needs to be inspected, serviced, Repaired and Load tested by a certified Lifting Machinery Inspector to ensure compliance with DMR 18.

Scope

1. Safety file with all the necessary competency certificates to be submitted to all Rand Water sites for approval and induction to be attended before any work can commence. Total of 5 Safety files to be submitted – Zwartkopjes, Panfontein, Zuikerbosch, Bulkwater and Vereeniging.
2. Valid COIDA certificate from the Department of Labour and proof of inspector/technician LMI registration with ECSA – Engineering Council of South Africa must be submitted with your response see point T1.3.1 Test for Responsiveness/Pre-Qualification on the RFQ Tender document.
3. A work schedule must be provided before commencing with work so that daily arrangements can be made with relevant departments.
4. Obtain written permission through the responsible Maintenance Supervisor from the Operations Department by means of a work permit before commencing of any work (Access permit to be obtained daily)
5. Follow the safety working procedures
6. Supply of labour, equipment and material to service, repair and load test all overhead cranes (Lifting Machinery)
7. All inspections and testing should be rigidly done in accordance with Driven Machinery Regulation 18.
8. To submit a written report on the condition of individual units, coupled with recommended remedial action after services of each unit
9. Contractor to supply Rand Water with load test certificates in 14 days after completion of load test
10. Quantities are indicated on Annexure 2.2 Pricing Schedule

Site - Palmiet

Inspect, Service, Load test, and compile a comprehensive report of cranes at Palmiet Pump Station as per list:

15 TON H R LASH OVERHEAD CRANE	NO 1 ENGINE ROOM
25 TON MORRIS OVERHEAD CRANE	NO 2 ENGINE ROOM
5 TON MORRIS AUXILIARY CRANE	NO 2 ENGINE ROOM
5 TON VERLINDE AUXILIARY CRANE	NO 3 ENGINE ROOM
20 TON VERLINDE OVERHEAD CRANE	NO 3 ENGINE ROOM
2 TON HITACHI CHAIN HOIST	NO 1 CHLORINE PLANT
2 TON VERLINDE CHAIN HOIST	NO 2 CHLORINE PLANT - EAST

2 TON VERLINDE CHAIN HOIST
2 TON CRAWL BEAM

NO 2 CHLORINE PLANT - WEST
WORKSHOP

Site - Eikenhof

Inspect, Service, Load test, and compile a comprehensive report of cranes at Eikenhof Pump Station as per list:

12 TON MARTIN OVERHEAD CRANE	NO 1 ENGINE ROOM
20 TON MORRIS OVERHEAD CRANE	NO 2 ENGINE ROOM
20 TON SACHMECH OVERHEAD CRANE	NO 3 ENGINE ROOM
5 TON MORRIS AUXILIARY CRANE	NO 2 ENGINE ROOM
5 TON SACHMECH AUXILIARY CRANE	NO 3 ENGINE ROOM
3.2 TON VERLINDE CHAIN HOIST	NO 1 CHLORINE PLANT - EAST
3.2 TON VERLINDE CHAIN HOIST	NO 1 CHLORINE PLANT - WEST
2 TON VERLINDE CHAIN HOIST	B14 CHLORINE PLANT - NORTH
2 TON VERLINDE CHAIN HOIST	B14 CHLORINE PLANT - SOUTH
2 TON CRAWL BEAM	WORKSHOP
2 TON CRAWL BEAM	ANTI HAMMER COMP ROOM

Site - Mapleton

Inspect, Service, Load test, and compile a comprehensive report of cranes at Mapleton Pump Station as per list :

15 TON MORRIS OVERHEAD CRANE	NO: 1 ENGINE ROOM
5 TON VERLINDE OVERHEAD CRANE	NO: 2 ENGINE ROOM
2 TON SACHMECH CHAIN HOIST	OLD CHLORINE PLANT
2 TON VERLINDE CHAIN HOIST	NEW CHLORINE PLANT EAST
2 TON VERLINDE CHAIN HOIST	NEW CHLORINE PLANT WEST

Site – Zwartkopjes

Inspect, Service, Load test, **Repair** and compile a comprehensive report of cranes at Zwartkopjes Pump Station as as per list:

15 TON OVERHEAD CRANE	ZWK NO: 1 ENGINE ROOM EAST
15 TON OVERHEAD CRANE	ZWK NO: 1 ENGINE ROOM WEST
3 TON OVERHEAD CRANE	ZWK NO: 1 ENGINE ROOM EAST
3 TON AUXILIARY CRANE	ZWK NO: 3 ENGINE ROOM
3 TON CHAIN HOIST	ZWK CHLORINE ROOM INSIDE
3 TON OVERHEAD CRANE	ZWK BOILERMAKER WORKSHOP
3 TON CHAIN HOIST	NEW CHLORINE PLANT # DRUM ROOM 1
3 TON CHAIN HOIST	NEW CHLORINE PLANT # DRUM ROOM 2
12,5 TON OVERHEAD CRANE	ZWK NO: 3 ENGINE ROOM GANTRY
12,5 TON OVERHEAD CRANE	ZWK NO: 3 ENGINE ROOM
12,5 TON OVERHEAD CRANE	ZWK NO: 3 ENGINE ROOM BASEMENT
12,5 TON OVERHEAD CRANE	ZWK NO: 3 ENGINE ROOM BASEMENT
12.5 TON OVERHEAD CRANE	ZWK VALVE STORE
2 TON CHAIN HOIST	ZWK CHLORINE ROOM OUTSIDE
2 TON CHAIN HOIST	ZWK SEWERAGE PLANT
12 TON OVERHEAD CRANE	ZWK MECHANICAL WORKSHOP
2 TON BEAM	OIL STORE
500 Kg BEAM	ZWK NO: 3 ENGINE ROOM OIL STORE
1 TON CHAIN BLOCK	ZWK STORE
2 TON CHAIN BLOCK	ZWK STORE
2 TON CHAIN BLOCK	ZWK STORE

2 TON CHAIN BLOCK
1.5TON LEVER HOIST
3 TON LEVER HOIST
3 TON LEVER HOIST
3 TON LEVER HOIST

ZWK STORE
ZWK STORE
ZWK STORE
ZWK STORE
ZWK STORE

Site – Panfontein

Inspect, Service, Load test and compile a comprehensive report of cranes at Panfontein as per list:

SERVICE AND LOAD TEST 5 TON CRANE THICKENING PLANT
SERVICE AND LOAD TEST 200KG CRANES GT1 & GT2
SERVICE AND LOAD TEST 2 TON CRANE POLY PLANT
INSPECT 2000KG CHAIN BLOCKS
INSPECT 750KG LEVER HOIST
INSPECT BUDHA JACK
INSPECT 1000KG WEBBING SLINGS
INSPECT 3000KG WEBBING SLINGS
INSPECT SHACKELS
INSPECT 2000KG CRAWL BEAMS
INSPECT SAFETY HARNESS
INSPECT 2000KG LIFTING TABLE
INSPECT 250KG ELECTRICAL HOIST

Site – Zuikerbosch

Inspect, Service, Load test, and compile a comprehensive report of cranes at Zuikerbosch Water Treatment Plant.

OVERHEAD CRANES:

40 TON OVERHEAD CRANE
25 TON OVERHEAD CRANE
15 TON OVERHEAD CRANE
12.5 TON OVERHEAD CRANE
10 TON OVERHEAD CRANE
6.3 TON OVERHEAD CRANE
5 TON OVERHEAD CRANE
3 TON OVERHEAD CRANE
2.5 TON OVERHEAD CRANE
1 TON OVERHEAD CRANE

AUXILLARY HOIST

5 TON AUXILLARY HOIST
1.6 TON AUXILLARY HOIST

LIFTING BEAMS:

10 TON LIFTING BEAMS
5 TON LIFTING BEAMS
3 TON LIFTING BEAMS
2 TON LIFTING BEAMS
2.5 TON LIFTING BEAMS
1.5 TON LIFING BEAMS
1 TON LIFTING BEAMS
0.5 TON LIFTING BEAMS
0.25 TON LIFTING BEAMS
100KG LIFTING BEAM

ELECTRIC HOIST:

3 TON ELECTRIC HOIST
2.5 TON ELECTRIC HOIST

2 TON ELECTRIC HOIST
1 TON ELECTRIC HOIST
0.5 TON ELECTRIC HOIST
0.25 TON ELECTRIC HOIST

SPREADER BEAMS

3 TON SPREADER BEAMS
2 TON SPREADER BEAMS
1 TON SPREADER BEAMS

SKYJACK

0.5 TON SKYJACK

HYDRAULIC LIFTER

200 PSI LIGHT LIFTER (HYDRAULIC LIFTER)

FORKLIFTS:

5 TON FORKLIFT
3 TON FORKLIFT
2.5 TON FORKLIFT

CRAWL BEAMS

2 TON CRAWL BEAMS
1.5 TON CRAWL BEAMS
1 TON CRAWL BEAMS

SLINGS:

INSPECT SLINGS -CHAIN
INSPECT SLINGS -WIRE ROPE
INSPECT SLINGS -NYLON

INSPECT CHAIN BLOCKS

INSPECT LEVER HOIST

INSPECT EYE BOLTS

INSPECT SHACKLES DEE & BOW

INSPECT SAFETY HARNESS

INSPECT FLAT WEBBING

INSPECT, SERVICE AND LOAD TEST 4 TON TWO POINT HOIST

Site – Various Bulkwater Sites

Inspect, Service, Load test, and compile a comprehensive report of cranes at various Bulkwater Sites

Amamzimtoti

10 ton overhead crane
1 ton lifting beam
2 ton lifting beam
5 ton lifting beam
5ton lifting beam and crawl
3 ton lifting beam and crawl
3 ton chain block

Barnardsvlei

2 ton chain block lifting beams

Barrage Bridge

3 ton chain blocks
2-ton chain block,
5 ton chain block
1 ton chain hoist
2 ton chain hoist
1 x 2 ton jib crawl
1 30 ton overhead crane
138kg fall arrestor
bow shackles
1 ton slings
2 ton sling
3 ton slings
4 ton sling
5 ton sling
3 ton tirfor

Barrage maintenance

3 ton chain blocks
6 ton lever block
1 ton sling
3.5-ton sling
2.5 ton sling
2 ton slings
3 ton sling

Barrage Operations

3 tons chain blocks
6 ton lever hoist
1 ton tirfor

Bloemendal

15 ton overhead crane
9 ton overhead crane

Brakfontein

2 ton lifting beam
2 ton chain block with crawl

Brakpan

1.5 lifting beam
2 ton chain block

Bronburgh

2 ton lifting beam

Buffelshoek

2 ton lifting beam
3 ton plate graber
4 ton chain sling

Central Depot/BWD

2 ton lifting beam
2 ton car lifts
1 ton electric chain hoist
10 ton overhead crane
shackles
15 ton overhead cranes
2 ton vehicle hoist
1 ton hoist chain rope
2.5 ton pallet jack
5 ton plate grab
3 ton plate grab
2.5 ton plate grab
5.5 ton 2 legged chain sling
3.1 ton 4 legged chain sling
2.5 ton 4 legged chain sling
7 ton 4 legged chain sling
7 ton 2 legged chain sling
8 ton 3 legged chain sling
16 ton sling steel wire rope

Cullinan

5 ton beam and overhead crane

Daleside

12.5 ton overhead crane and crawl and beam

Esselin park

2 ton chain blocks
1 ton chain blocks
2 ton crawl beam and chain
dee shackles
1 ton steel wire slings
1.5 ton steel wire slings
3 ton steel wire slings

Forresthill park

1 ton lifting beam and crawl
1 ton chain block
2.5 ton chain sling
4 ton 4 legged chain sling

Hartebeeshoek

3 ton lifting beam
3 ton lifting beam and crawl
3 ton chain block

Ironside

3 ton lifting beam

Klipfontein

2 ton lifting beam
2 ton chain block and crawl

Krugersdorp

2 ton crawl
2 ton lifting beam
2 ton chain block

Libanon

1.5 ton lifting beam and crawl
1.5 ton chain block
8 ton overhead crane
8 ton overhead beam
Dee Shackles
2 ton wire sling
4 ton wire sling
7 ton wire sling
10 ton steel wire sling
1 ton steel wire sling

Mamelodie

5 ton overhead crane
5 ton beam
6 ton steel wire sling rope

Roodepoort

10 ton overhead crane
10 ton beam

Rustenburg

5 ton overhead crane
5 ton beam
Dee Shackles
2 ton sling
3.5 ton steel wire sling

Sasolburg

3 ton lifting beam
3 ton electrical chain hoist
3 ton electrical chain hoist – to be repaired and then load tested
1.5 ton lever block

Spioenkop

2 ton lifting beam and crawl
2 ton chain block

Trichard

2 ton lifting beam
2 ton electrical chain hoist

Viakfontein

3 ton lifting beam

Waterkloof

2 ton lifting beam

Waterval

3 ton lifting beam

Zuurbekom

3.2 ton lifting beam

4.5 ton overhead crane

3.2 ton electric chain hoist

3 ton steel wire rope slings

Site – Vereeniging

Inspect, service and load test lifting equipment at Vereeniging and Lethabo pumping station.

VG Lifting Equipment Inventory	
SWL	Type
Beams	
80kg	Crawl beams
500kg	Crawl beams
1Ton	Crawl beams
1.5 Ton	Crawl beams
2 Ton	Crawl beams
2.5 Ton	Crawl beams
3 Ton	Crawl beams
5 Ton	Crawl beams
14 Ton	Crawl beams
20 Ton	Crawl beams
30 Ton	Spreader beam
Electric Hoist	
2 Ton	Electric hoist
3 Ton	Electric hoist
3.2 Ton	Electric hoist
5 Ton	Electric hoist

Cranes	
100 kg	Jib crane
300 kg	Jib crane
1 Ton	Crane
2 Ton	Crane
5 Ton	Crane
10 Ton	Crane
15 Ton	Crane
22/5 Ton	Double girder
25/5 Ton	Double girder
30/5 Ton	Double girder
40/5 Ton	Double girder
Chain Blocks	
500kg	Chain Block
750kg	Chain Block
1 Ton	Chain Block
2 Ton	Chain Block
3 Ton	Chain Block
3.2 Ton	Chain Block
5 Ton	Chain Block
Crawls	
1 Ton	Crawl
1.5 Ton	Crawl
2 Ton	Crawl
3 Ton	Crawl
Car Lift	
3 Ton	Car Lift
4 Ton	Car Lift
Drum lift	
500 kg	Drum lift
Hydraulic Jacks	
2 Ton	Mobi Jack
3 Ton	Trolley jacks

7.5 Ton	Bottle jack
30 Ton	Trolley jacks
55 Ton	Bottle jack
Safety Harness	
150 kg	Safety harness
Tirfor	
3 Ton	Tirfor
Tressels	
3 Ton	Tressels
6 Ton	Tressels
12 Ton	Tressels
Lifeline	
925kg	Lifeline
2 Ton	Lifeline
Grabs	
800kg	Grabbing hook
2 Ton	Plate grab
Cage	
1 Ton	Tool cage

Site Information – Annexure C 4

RAND WATER ZUIKERBOSCH

Vischgat Road, Three Rivers East

Vereeniging, 1939

GPS Coordinates: S 26° 41.520 and E 28° 00.061

RAND WATER PANFONTEIN

6 Klipwageter avenue

Vischgat Road, Three Rivers East Vereeniging Three rivers

GPs coordinate S26°43.075'E028°0.2476

RAND WATER ZWARTKOPTJIES AND SATELITE SITES

Information was not submitted

RAND WATER BULK WATER DISTRIBUTION & DISTRICTS

Information was not submitted

RAND WATER VEREENIGING

111 Barrage road Vereeniging 1939

THE IMPORTANCE OF WEARING PPE

Everyone accessing the plant will be expected to wear safety shoes, failure to which no access will be granted.

THE IMPORTANCE OF CARRYING YOUR DRIVER'S LICENSE

Everyone accessing the site using personal or company vehicles is requested to always carry their valid driver's license.

VALID CAR DISCS ARE ESSENTIAL

Every company or personal vehicle accessing the site must have a valid car disc. The biometric system will scan and cross-reference these discs to ensure compliance with local regulations. Failure to have a valid car disc may result in the vehicle being refused entry.

DATA SECURITY

The site complies with the principle of Personal Access to Information Act (PAIA) and as such all data collected will be treated with the utmost confidentiality and used solely for security and access control purposes. |