



## REQUEST FOR BID

### CIDB

## Scope of Work

### Scope of Work - 10401563

Repair/ replace the following defective lifting Equipment as stated below and apply approved standards and procedures to ensure that the equipment complies with the legal requirements regarding lifting equipment

-Please provide proof LME/LMI accreditation.

-Please be specific on skills (Qualified fitter, electrician, welder. Etc), experience, and tools (welding machine, grinders, forklift. Etc) to be used as per the scope of work.

-Please note that Foreign national will be taken through screening that could take up to 6 month and the supplier must prove the Foreign national possesses a special skill that could not be found within SA.

-Test and certify the equipment after repairs/ replacement where applicable

-Ensure that you provide spares with the required specification and please note that NO INFERIOR QUALITY will be accepted

-New test certificates must be submitted with the invoice

1. Supply and Install a 3 Ton electrical crawl on the existing hoist, repair bottom block, install hoist protection roofing and a lifeline (12m line on I-Beams) at the canal screens
2. Supply and Install a 5 Ton electrical crawl on existing hoist and replace the C-track (16m long) in the fore bay dam
3. Repair crane bottom block in Engine Room 1
4. Supply and Install 2 x 2 Ton electrical crawls on the existing hoists inside No1 recovered wash water pump house
5. Install end stops and repair the crawl on ZB=41SMQ01 at 4A Chlorine Plant
6. Install end stops on ZB=41SMQ02 at 4A Chlorine Plant
7. Install end stops on ZB=42SMQ01 at 4B Chlorine Plant
8. Install end stops and replace the towing arm on ZB=42SMQ02 at 4B Chlorine Plant.
9. Supply and install chains at 4 Station Sand Grab ( 2 x 15m chains)
10. Service hoist gearbox and crawl at 3 Station Sand Grab (Replace worn gears, bearings, and oil seals. Install a hoist protection roofing at the service area.
11. Replace a steel wire rope on a 5 Ton Hoist in Engine Room 4 (84 grooves, 900mm drum size, 11.5mm rope thickness)
12. Supply a two speed controller unit and program the controller unit to the existing installation to operate at slow speed and fast speed on the 4B Chlorine hoist
13. Extend and realign the support and replace a bent beam at Central Sludge Sand Grab beams
14. Supply and install a 1Ton A-Frame with an electric chain hoist at the oil store (2.8 m high x 6.5 m long)
15. Recondition, service and load test 3x two post hoist(4 Tons).
16. Submit a safety file
17. Replace ultimate limit switch on the PAC 5 Ton Crane
18. Repair Gearbox Install lower ultimate limit switch and replace dead end pin on 5Ton Sludge crane
19. Install Rope guide, bottom and ultimate limit switches on Engine Room 3 Crane
20. Install a load limit switch and replace breaks on ER 4 Main Crane (40 Ton)
21. Replace load limit switch on 10 Ton sludge crane

22. Replace load limit switch on 15 Ton ER 2 crane
23. Replace load limit switch on 12.5 Ton Engine Room 1 crane
24. Replace load limit switch on 4A Engine Room 5 Ton crane
25. Replace load limit switch on 12.5 Ton Intake plant crane
26. Replace load limit switch on 12.5 Ton 1WA Mech W/Shop crane
27. Replace load limit switch on 10 Ton Raw Water plant crane
28. Replace load limit switch on 1 Ton 1WA Electrical W/Shop crane
29. Replace load limit switch on 5 Ton 2WA Mech W/Shop crane
30. Replace load limit switch on 5 Ton 2WA Elec W/Shop crane
31. Rewind the drum for the tensioner to work properly, adjust upper and lower limits, Repair the bottom lock, and service the long travel motors and their wiring. Replace the load limiter and ultimate limit and its wiring on the 6.3 Ton screens crane.
32. Replace a 3.2 Ton deflective beam at 1WA Chlorine plant
33. Replace load limit switch on 3 Ton hoist and install a serial number sticker at old Chlorine plant
34. Replace chain, chain bag and bottom block on 2 Ton chain hoist a 1WA sludge plant
35. Replace load limit switch on 2 Ton 1WA Sand Grab Hoist
36. Replace load limit switch on 1 Ton 2WA welding W/Shop hoist
37. Replace chain and install a new serial number sticker on 500 kg hoist at lime plant 3
38. Install a serial number sticker on 2.5 Ton Hoist a 2B Filter House
39. Replace twisted hoist rope on 3.2 Ton GT01 crane. **(The diameter is 10mm and length 13m)**
40. Replace load limiter on hoist on 2 Ton GT02 crane
41. Replace Polly plant crane- crawl beam bent i.e high deflection. **(The beam tonnage is 2 ton and the length is 10m)**
42. Replace safety latch on a 5 Ton crane at Thickening plant.
43. Repair a noisy hoist at Chlorine Plant 2 (North Side)

Safety file to be submitted and Induction to be attended before work commences

Inspection and Load Testing:

Name	Inspection	Load Testing	No off	Size
1WA Sludge Crane	Yes	Yes	1	5 Ton
Mobile Crane	Yes	Yes	1	3 Ton
Electric hoist	Yes	Yes	3	2 Ton
Electric hoist	Yes	Yes	1	5 Ton
Electric hoist	Yes	Yes	8	1 Ton
Electric hoist	Yes	Yes	2	250 kg
Crane	Yes	Yes	1	2 Ton
Lifting Beam	Yes	Yes	18	10 Ton
Lifting Beam	Yes	Yes	12	5 Ton
Lifting Beam	Yes	Yes	61	2 Ton
Lifting Beam	Yes	Yes	12	1.5 Ton
Lifting Beam	Yes	Yes	35	1 Ton
Lifting Beam	Yes	Yes	52	0.5 Ton
Lifting Beam	Yes	Yes	2	0.25 Ton
Forklift	Yes	Yes	1	5 Ton
Forklift	Yes	Yes	2	3 Ton
Forklift	Yes	Yes	1	2.5 Ton
Sky Jack	Yes	Yes	1	225 Kg
Sky Jack	Yes	Yes	1	226 KG
Hydraulic light lifter	Yes	Yes	1	2000 PSI
Slings (chain)	Yes	No	8	4 – 22 Ton
Slings (wire rope)	Yes	No	12	0.6 – 10 Ton
Slings (Nylon)	Yes	No	222	1 – 15 Ton
Chain blocks	Yes	No	16	1 – 6 Ton
Lever hoist	Yes	No	2	6 Ton
Eye bolt	Yes	No	40	0.3 – 4 Ton
Shackle Dee & Bow	Yes	No	128	0.75 – 55 Ton
Safety Harness	Yes	No	6	175 Kg
Life Lines	Yes	No	16	175 Kg
Drum Lifter	Yes	No	4	1 Ton
Winch	Yes	No	1	1 Ton
Snatch Block	Yes	No	1	2 Ton
Plate Grabber	Yes	No	3	1 – 2 Ton
Geared Crawls	Yes	No	3	1 – 2 Ton
Chain with connected links	Yes	No	1	2.5 m

## Site Information – Annexure C 4

Site Briefing 15.02.2024 @ 13:00 we will meet at Risk Control Parking Area

Please bring your ID for access purposes and safety shoes as we will be entering the plant. Plant access will be denied to those not wearing safety shoes.

Rand Water Zuikerbosch  
 Vischgat Road  
 Three Rivers East  
 Vereeniging  
 GPS Co-ordinates S26 41 520, E28 00 061