

## **ANNEXURE C3.2: SCOPE OF WORK (INCLUDING DRAWINGS, WHERE APPLICABLE)**

Design, Construct, Install and load test 9 x 1 Ton A-frame beams with overhangs at various sewage plants.

Supply, install and load test 11 x 1 Ton x crawls and Supply, install and commission 4x 1Ton Electric hoists at various sewage plants

- The A-frame beams have different locations and sizes as follows:

\*House 1 (Sump No 2): 3800 x 3800 mm

\*House 23: 4500 x 3400 mm

\*Rec Club: 5700 x 3500 mm

\*3 Station Offices: 5500 x 4100 mm

\*Old Dosing plant: 5000 x 3900 mm

\*Treatment Plant: 4300 x 4200 mm

\*Salvage yard: 4700 x 2700 mm

\*Engine Room 4 Entrance: 3200 x 3200 mm

\*Supply, install and commission 11x 1Ton crawls

\*Supply, install and commission 4x 1Ton Electric hoists

\*Replace a Mobile A-Frame behind Engine room 4 (10 Ton) (4410 mm x 5100 mm) (it must fit properly on the railway and will use 2 synchronised Motors to drive the front wheels forward and reverse for long travel. It must also have stairs to reach the top like the old one has. An electric hoist (10 Ton) with a remote that can travel Up-down and across must be part of the installation. (NB. The Crane must have a control box mounted on it and Rand Water will supply power with a cable)

### **Additional Information**

Suppliers must quote on the Load testing and certification of all the equipment

Material to be used must be galvanised steel

Chain hoists to have a standard lifting height of 15 m

A-Frame beams to have an overhang of 2m

Power supply will be provided by Rand Water

The beam standard height to be 4m

- After the site meeting, all the suppliers will have to then submit detailed designs of at least the beams for approval by Rand Water as part the evaluation of quotes.
- The selected supplier must bring all the necessary equipment and resources to execute the work as Rand Water will only do supervision.
- All the beams must have overhead shelters installed to protect the hoists from the rain and sun
- The beams and hoists must be properly labelled before handing over to site
- Data books and load testing certificates should be submitted on completion