



REQUEST FOR BID

CIDB

Annexure C3.2

SCOPE OF WORK

Important to note – the successful supplier must submit a safety file and attend induction before the work commences

DESCRIPTION OF THE WORKS

Supply, deliver and installation submersible pumps at Rand Water Zuikerbosch

4 Inch submersible pumps for filter house No. 1

Discharge diameter = 102mm (4 inches) - The pump's discharge diameter is to be kept at 102mm, and the weight limited to 80Kg or less. Maximum pump weight restricted to 80kg stainless steel material

The pumps should also be able to drain excavation water as well as slurry solutions - This is water treatment residue commonly made of calcite deposits, sand grains, poly electrolyte deposits, colloidal matter

Suction head = minimum 40 meters - The pumps will be used at different areas, our deepest sump is approximately 30m

Capacity = 20 – 25 litres per second pumped in a 102mm diameter pipe, would result in a pipeline velocity of 306m/s.

Cable = 100 meters

The pumps should also include starter boxes per pump, voltage = 3 phase (380V to 400V) Frequency = 50Hz

300 meter of 102mm diameter layflat pipe rolls - The 300m Layflat should be in 30m lengths, as these are wear and tear items, some pipes would be used as spare.

3 x 30 meter of 102mm diameter heliflex pipe rolls

Usual velocities are in the 1 – 2m/s region.



SITE INFORMATION

Non Compulsory Site Briefing 01.08.2023 @ 10:00

We will meet at Rand Water Zuikerbosch, Risk Control Parking Area –

Vischgat Road, Three Rivers East, Vereeniging

S26 41 520 E28 00 061

Please bring along your ID for access purposes and wear safety shoes. You will not be allowed to enter the plant without safety shoes