

Supply & Installation of Containerized Packaged Wastewater Treatment Plants

Meeting 09/09/2014

Technical Services Bureau Co.

Trade of Electromechanical material and equipment.





Plants' Location





Waste Water Treatment Plant Installed

Trickling Filter

 This technology is based upon the process of tackling the hard particles of the sewage water inside the tunnels of the media that is placed inside the main stages of the trickling filter plant, i.e. Trickling filter tanks.

MBR – Membrane BioReactor

• This technology uses micro fibers i.e. membrane fibers, these fibers have holes measured by micro-meters between 0.2 to 0.5 micro-meter diameter.



Waste Water Treatment Plants' Details

Trickling Filter

- Phase: Testing on Tuesday 8/9/2014 & Wednesday 9/9/2014
- Expected Completion Date: 15/9/2014
- Capacity: 1800 cubic M

Membrane BioReactor

- Phase: Pipes Laying & Mechanical equipment installation – 60%
- Expected Completion Date: 15/10/2014
- Capacity: 1800 cubic M



Waste Water Treatment Plants' Details

Trickling Filter

• *Inlet Water Characteristics*:

Q: 1780 cubic M

BOD₅: 1125mg/l

TSS: 1625 mg/l

pH: 6-9

NHS_N: 25mg/l

• Outlet Water Characteristics:

Q:1697 cubic M

BOD₅: 30mg/l

TSS: 50 mg/l

COD: 100mg/l

NHS_N: 16mg/l

Membrane BioReactor

Inlet Water Characteristics:

Q: 1780 cubic M

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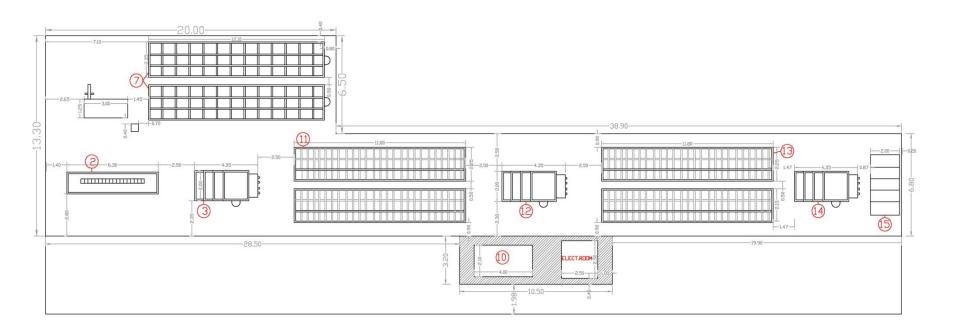
Trickling Filter Plant







Trickling Filter Layout







MBR Plant







MBR Plant Layout

