



### Solids Handling Plant for Sludge Treatment

Technical Data		Plant Description
Storage silos	- 2 off 160 tonne capacity Ø5500 bolted construction Discharger Ø2350 bin activator	<p>De-watered sludge cake, having a dry solids content of 28-35%, is fed to the storage silo by a system of belt conveyors. Discharge is controlled by a sliding frame discharger and weigh belt feeder to a continuous ploughshare mixer.</p> <p>Re-active and stabilising powders are pneumatically conveyed in to the silos from bulk tankers. Discharge is by ISERCO bin activators with screw conveyors feeding the day bins on demand.</p> <p>Accurate metering of the powders in to the mixer is, determined by weight and moisture sensors and is achieved by VSD screw feeders linked to the above instruments.</p> <p>The plant is designed to treat between 5 to 10.5 tonnes per hour of sludge cake.</p>
Storage silo	- 1 off 100 tonne capacity Ø4000 welded construction Discharger Ø1800 bin activator	
Storage silo	- 1 off 30 tonne capacity Ø3400 welded construction Discharger sliding frame	
Screw conveyors	- 6 off Ø125 tubular	
Day bins	- 2 off 3 tonne capacity 1 off 6 tonne capacity	

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