1.4 Checklist Submersible Mixers.
Pump pit, different mixing tasks in wastewater treatment plants.

Project name: _____   **Project country:** _____

Project phase:

☐ Idea phase   ☐ Design phase   ☐ Tendering phase

Installation   ☐ New plant   ☐ Rehabilitation

Basin/pump pit data (please enclose a drawing)

☐ Round tank   ☐ Rectangular tank

No. of tanks: _____ pcs	No. of tanks: _____ pcs
Diameter: _____ m	Length: _____ m
Depth: _____ m	Width: _____ m
Volume: _____ m³	Tank depth: _____ m
	Volume: _____ m³

Constant water level?

☐ Yes

☐ No

Min. water depth: _____ m

Max. water depth: _____ m

Calculation rele-
vant filling level :   _____ m

Inflows and outflows acc. to drawing/sketch + pls. add further details

Data and basic conditions

Application: _____   pH-value: _____

Kind of liquid: _____   Pump pit/tank material ☐ Concrete

Dry solids content: _____ %   ☐ Steel

Sludge volume index: _____ ml/g   Mixer operation: _____ h/year

Density: _____ kg/m³   Energy costs: _____ €/kWh

Dynamic viscosity: _____ mPa s

Technical data

Voltage   _____ V   Temperature
control   ☐ Bimetal sensor

Frequency   ☐ 50 Hz   ☐ Cold type thermistors
(PTC)

☐ 60 Hz

Ex-Approval   ☐ Yes   ☐ No   Leakage control   _____

Type of   ☐ Direct   Length of power cable   _____ m
starting
☐ Frequency transformer

☐ Soft starting   Corrosion protection ☐ Standard

☐ Star delta   ☐ Ceram C0

Additional comments