

6. Water conveyance

Is a direct connection planned between turbine and intake or canal?

yes no

If not, please indicate penstock data:

<input type="checkbox"/> Penstock:	1)	length in m	<input type="text"/>	int. Ø in mm	<input type="text"/>	material	<input type="text"/>	
	2)	length in m	<input type="text"/>	int. Ø in mm	<input type="text"/>	material	<input type="text"/>	
	3)	length in m	<input type="text"/>	int. Ø in mm	<input type="text"/>	material	<input type="text"/>	
							max. permissible pressure rise of penstock in bar	<input type="text"/>

7. Generator

Synchronous generator Asynchronous/Induction generator

Frequency in Hz Generator voltage in V Grid voltage in V

8. Operation mode

Off-grid (autonomous/stand-alone energy production for the supply of an isolated grid)

On-grid (run-of-river operation, grid parallel power supply into utility grid)

Off-grid plus On-grid in combination

9. Water quality

Use in potable water system Sea water Highly abrasive/silt content pH value

Max. temperature in °C Others

IV. Scope of supplies

- Turbine
- Speed increaser
- Generator
- Hydraulic system for turbine regulation
- Service valve
- Trash rack cleaner (please complete TRC questionnaire)

- Automation:
 - Turbine regulator/governor
 - Switch board for grid connection
 - SMS warning system
 - SCADA-system
- Step-up transformer
- Medium voltage switch board

V. Comments

Date, place

Signature

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