OSSBERGER

Questionnaire for Hydropower Plant Price Quotation

I. Contact data

PROJECT NAME
(please reference on all correspondence)

PROJECT SITE
(location and country)

Contact name | Company

Address

ZIP code / City | Country

Phone | Mobile

E-mail | Web

☐ Developer ☐ Consulting Agency | Name of Project Owner

II. Status

☐ Feasibility study
☐ Public tender
☐ Construction of a new power plant
☐ Contract pending; construction scheduled for:
Deadline for submitting an offer:
☐ Modernisation of an existing plant
Water license / permit existing ☐ yes ☐ no ☐ in progress
☐ Sketch/plan/pictures of project site attached

III. Technical data (Equipment design, calculation, output and performance guarantees will be based on the head and flow data provided and confirmed!)

1.a) Gross/ static head m
(vertical distance between upstream and downstream level or to turbine floor elevation)

b) Net head m
(in reference to 1.a) less friction losses at rated flow)

measured to: ☐ Tail water level ☐ Turbine floor elevation

2. Elevation

a) Upper water level m

b) Tail water level at min. flow m
Tail water level at max. flow m
Tail water level at flood condition m

3. Available flow

☐ Flow (please indicate average flow for each month!)

January	l/s	May	l/s	September	l/s
February	l/s	June	l/s	October	l/s
March	l/s	July	l/s	November	l/s
April	l/s	August	l/s	December	l/s

☐ Flow duration curve is attached to this questionnaire
☐ Flow is constant. Reason:

4. Altitude of project site above sea level m

5. Has the nominal flow already been approved by authorities? ☐ yes ☐ no; if yes, quantity: l/s

6. Water conveyance

Is a direct connection planned between turbine and intake or canal? ☐ yes ☐ no

If not, please indicate penstock data:

☐ Penstock:	1)	length in m		int. Ø in mm		material	
	2)	length in m		int. Ø in mm		material	
	3)	length in m		int. Ø in mm		material	
		max. permissible pressure rise of penstock in bar					

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

OSSBERGER GmbH + Co. KG
Otto-Rieder-Strasse 5-11
D-91781 Weissenburg / Bavaria
GERMANY
+49 (0) 91 41 / 9 77-0
info@ossberger.de
www.ossberger.de

send form