

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	☐ Contract pending; construction scheduled for:	
☐ Public tender	Deadline for submitting an offer:	
☐ Construction of a new power plant	☐ 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!)

☐ Maximal annual power generation preferred	☐ Minimal maintenance requirements preferred
1.a) Gross/ static head in m 	b) Net head in m
(vertical distance between upstream and downstream level or to turbine floor elevation)	(in reference to 1.a) less friction losses at rated flow)
measured to: ☐ Tail water level ☐ Turbine floor elevation	
2. Elevation in m	
a) Upper water level 	b) Tail water level at Q min.
	at Q max.
	at flood condition
3. Available flow in liters/sec	
☐ Flow (please indicate average flow for each month!)	
January l/s	May l/s
February l/s	June l/s
March l/s	July l/s
April l/s	August l/s
September l/s	October l/s
November 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 in m	
5. Power output expected at generator terminals in kW	

6. Water conveyance

☐ Open canal:	length in m		width in m		depth in m	
☐ 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

☐ Potable water	☐ Sea water	☐ Highly abrasive/silt content	☐ pH value
☐ Max. temperature in °C	☐ Others		

IV. Scope of supplies

☐ Turbine ☐ Speed increaser ☐ Generator ☐ Service valve ☐ Step-up transformer ☐ Medium voltage switch board ☐ Trash rack cleaner (please complete TRC questionnaire)	☐ Automation: ☐ Turbine regulator/governor ☐ Switch board for grid connection ☐ SMS warning system ☐ Visualisation/display ☐ SCADA-system
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V. Comments
 Date, place

 Signature