



CLIENT QUESTIONNAIRE
DESALINATION EQUIPMENT

Date: _____

Name of Client _____

Installation site _____

Delivery date required _____

Water production required _____ m³/day

Application of product water _____

Purity of product water required _____ PPM TDS

Purity normally required are:
Potable & Industrial Water 20-50 ppm
Boiler Feed Water 2-10 ppm

Feed water supply:

Salinity (TDS) _____ PPM

Temperature: Minimum _____ °C

Maximum _____ °C

Average _____ °C

Available quantity _____ M³/hr

Site Conditions:

Distance to raw water intake _____ Meters

Elevation above water intake _____ Meters

Intake facilities existing Yes No

Ambient conditions:

Temperature: Minimum _____ °C

Maximum _____ °C

Average _____ °C

Humidity Average _____ %

Availability and type of energy

sources:

High pressure steam (above 4 ata)

Quantity available _____ kg/h

Pressure _____ Ata

Temperature _____ °C

Cost _____ USD/ton



<u>Low pressure steam (below 1 ata)</u>		
Quantity available	_____	kg/h
Pressure	_____	Ata
Temperature	_____	°C
Cost	_____	USD/ton
<u>Electric power</u>		
Quantity available	_____	kW
Voltage	_____	V
Phases		
Frequency	_____	CPS
AC/DC		
Cost	_____	USD/kWh
<u>Compressed air for instruments</u>		
Quantity available	_____	l/min
Pressure	_____	Atg
<u>Cooling water</u>		
Quantity available	_____	m ³ /hr
Temperature	_____	°C
Return temperature required	_____	°C

Scope of Offer

A standard offer normally includes the design, manufacture, delivery to the port of embarkation and on-site technical supervision of erection and commissioning. The following items are out of the Scope of Offer and accordingly are subject to our separate quotation. Please check those additional items required as follows:

- [] Construction work at site
- [] Foundation work at site
- [] Facilities for raw water intake and supply
- [] Brine disposal system
- [] Boiler or waste heat recovery facility
- [] Product water transfer and storage system
- [] Feed water chlorination facility and pretreatment
- [] Others

Water Production Costs

We shall be pleased to give you an estimate of water production costs after you provide the following information: interest rate, depreciation period, number of work days per year, heat source costs (unit prices of steam or fuel), electric power costs and personnel rates.

Raw Water Analysis

(Please provide the following raw water analysis, if available)

Hardness	(as CaCO ₃)	_____	ppm
Alkalinity	(as CaCO ₃)	_____	ppm
Ca		_____	ppm
Mg		_____	ppm
Na		_____	ppm
K		_____	ppm
Cu		_____	ppm
Fe		_____	ppm
SiO ₂		_____	ppm
CO ₂		_____	ppm
O ₂		_____	ppm
HCO ₃		_____	ppm
CO ₃		_____	ppm
SO ₄		_____	ppm
Cl		_____	ppm
NO ₂ /NO ₃		_____	ppm
PO ₄		_____	ppm
H ₂ S		_____	ppm
NH ₃		_____	ppm
Total Suspended Solids		_____	ppm
Oil	Free	_____	ppm
	Total	_____	ppm
Turbidity		_____	NTU
TDS		_____	ppm
PH		_____	Units
Sr		_____	ppm
Ba		_____	ppm
BOD 5/20°C		_____	ppm
TOC		_____	ppm
COD		_____	ppm
Total Volatile Organics		_____	ppm