

Date:

# Inquiry of Desalination Plant

TO:  **水処理工一水株式会社**  
**Ace Water Treatment Co. LTD**

FROM: Messrs. \_\_\_\_\_

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Type of rawwater	Seawater / Deep seawater / Industrial water / Well water / Other ( _____ )		
Use for RO product water	Potable water / Industrial water / Construction / Other ( _____ )		
Pretreatment system (If existing)	Coagulation (Clarifier) / Sand filter / Activated carbon filter / Other ( _____ )		
Amount of rawwater per day (If existing)	m <sup>3</sup> /Day		
Size of rawwater tank (If existing)	m <sup>3</sup>	×	tank(s)
Operational availability hours	hrs/Day		
Power source	Public power grid / Generator / Other ( _____ ) and AC		V × _____ Hz

Item		Design value of product water (Requirement)	Sample water name		
			Rawwater ( _____ )	Rawwater ( _____ )	_____
Water analysis	Total dissolved solids	TDS [ppm]			
	pH	pH -			
	Calcium	Ca [ppm]			
	Magnesium	Mg [ppm]			
	Sodium	Na [ppm]			
	Potassium	K [ppm]			
	Ammonium ion	NH <sub>4</sub> [ppm]			
	Boron	B [ppm]			
	Carbonate ion	CO <sub>3</sub> [ppm]			
	Alkalinity	HCO <sub>3</sub> [ppm]			
	Sulfate [Sulphate] ion	SO <sub>4</sub> [ppm]			
	Chloride ion	Cl [ppm]			
	Fluoride	F [ppm]			
	Nitric acid ion	NO <sub>3</sub> [ppm]			
	Total silica	SiO <sub>2</sub> [ppm]			
	Electric conductivity	EC [mS/m]			
Other	Suspended solids	SS [ppm]			
	Turbidity	[NTU]			
	Color	[NTU]			
	BOD	[ppm]			
	COD	[ppm]			
	Iron	Fe [ppm]			
	Manganese	Mn [ppm]			
	Water temperature	°C			
Arsenic	As [ppm]				