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Water Filtration Solutions for irrigation and Industrial applications

Questionnaire for Water Treatment Filtration Application

Date:	Tel:	Email:
Name:		
Job Name or Reference No.		

A. General Information

Water Source	River, Lake ,Well, Dam, municipal				
filtered water usage					
Existing water treatment					
Daily water consumption		M ³ /Day			
Working flow-rate		M ³ /Hr	Max. flow-rate		M ³ /Hr
Working pressure		[bar]	Max working pressure		[bar]
Treated Water Pressure requirements				Bar	
Distance between raw water feeding to treatment plant.				Meter	
Reservoir for raw water ?			Existing	Yes /No	M ³
Reservoir for treated water ?			Existing	Yes / No	M ³
Distance from the first water customer.				Meter	

B. Special Requirements

Storage tanks:	
Booster pumps:	
Construction materials:	
Space limitations:	
Specific standards:	

C. Existing Site Services

Electric power:	V = _____	Hz = _____	Phases = _____
Compressed air:			
Drainage point:			

Please Fill In The Available Water Quality Data

Parameter		Result	Parameter		Result
pH (*)			Dissolved O ₂	[mg/l]	
Turbidity (*)	[NTU]		Dissolved CO ₂	[mg/l]	
TSS - Total Suspended Solids (*)	[mg/l]		H ₂ S	[mg/l]	
VSS - Volatile Suspended Solids (*)	[mg/l]		Sulfate (SO ₄ ⁻²)	[mg/l]	
Iron Total (Fe) (*)	[mg/l]		P Total	[mg/l]	
Manganese (Mn) (*)	[mg/l]		Nitrate (NO ₃ ⁻)	[MicroMho/cm]	
NH ₄ ⁺ (*)	[mg/l]		Nitrite (NO ₂ ⁻²)	[mg/l]	
TDS- Total Dissolved Solids (**)	[mg/l]		Kjeldahl (TKN-N)	[mg/l]	
BOD (**)	[mg/l]		Chlorides (Cl ⁻)	[mg/l]	
COD (**)	[mg/l]		Detergent	[mg/l]	
TOC	[mg/l]		Boron (B)	[mg/l]	
Ca ⁺² (**)	[mg/l]		Temperature	[°C]	
Mg ⁺²	[mg/l]		Conductivity	[MicroMho/cm]	
Hardness (as CaCO ₃)	[mg/l]		Color (descriptive)		
Alkalinity (as CaCO ₃)	[mg/l]		Odor	[odorless, stagnant, rotten eggs]	

Parameter		Result	Particle Distribution	
Total Bacteria	[No./ml]		Less than 10 Micron	
Total Coliform (*)	[No./100 ml]		10-20 Micrometer	
Fecal Coliform (*)	[No./100 ml]		20-30 Micrometer	
Fecal Streptococci	[No./100 ml]		30-60 Micrometer	
			60-100 Micrometer	
			100-300 Micrometer	
			Greater than 300 Micrometer	
			TOTAL	

Remarks :

(*) – First priority analysis

() – Second priority analysis**

pH, Temperature and O₂ must be check on site

SDI, TSS (SS_{105°}), VSS (SS_{550°}) and Particle Size Distribution must be check within 4 hour from sampling.