

SCAMAG (Boiler Water Treatment) SURVEY FORM			
Date		Example	
Project /Client			
Boiler Details			
Boiler Make & Model			
Number of Boilers and Capacity			
Standby Boiler	Yes/No (if yes, operational sequence)		
Type of boiler	Fire/Water Tube		Fire tube, 5 ton/hr
Feed Water Tank Information			
Feed water tank material and dimension	Metallic or Non-metallic (specify material type)		SS / dia 1m x Length 3m
Return Condensate and feed water maximum temperature/pressure	Yes/No		Yes, 90°C, atmospheric pressure
Feed water tank water volume	m ³		
Amount of top up water	m ³ /h		
Existing Problem			
Treatment type	Chemical/Non-chemical /Chemical Used		Chemical, Oxygen Scavenger, Softener, Descalant etc.
Scaling	Yes/No, hard scaling/silica scaling		Yes, steam can't hit required pressure or operating temperature is high for the same steam pressure
Corrosion	Yes/No, water appearance		Yes, brownish
Water Quality			
Type of makeup water	City Water/ Bore Water, RO, Softener etc.		City Water/Tube Well
		FEED WATER	BOILER
pH value*			7-12
Conductivity*	µS/cm		100-150
Calcium Hardness as CaCO ₃ *	mg/L or ppm		30-50
Total Alkalinity as CaCO ₃ *	mg/L or ppm		120
Chloride* (Cl)	mg/L or ppm		10-20
Dissolved Silica*	mg/L or ppm		<5
Fe ion	mg/L or ppm		<1
Phosphate (PO ₄ ³⁻)	mg/L or ppm		<1
Other Information			
Boiler water sample reports	Past 3-6 months		Please attach
Process steam with direct contact	Yes/No		Direct contact with food process
Drawings/Site Photos	P&ID/Process Flow Diagram/Site Photos/Boiler/Feed water tank etc		Yes/No