



AQUA MACHINERIES PVT LTD

Revision no. r2

PRECOMMISSIONING CHECKLIST

Date : 11/08/2025

GENERAL INFORMATION

Name Of Pumping Station :		Location of Pumping Station :	
Contactor :		End Client :	
Name of Person (Contact no / Email) :		(Contact no / Email) :	

PUMPING STATION BASIC DETAIL

Incomming Supply (Voltage) : Power Supply available at site

Transformer Charged	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	(if Yes, Rating)		kVA
D G Set	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	(if Yes, Rating)		kVA

Pumpset Type			Pumpset Detail			
Sewage	SPS / TSPS / STP	<input type="checkbox"/>	Pumpset Rating		hp/kw	
Raw Water	Intake / Canal / Reservoir / Lake	<input type="checkbox"/>	Voltage		kV	
Clear Water	Sump / Underground Reservoir	<input type="checkbox"/>	Discharge		m3/hr	
Mine Dewatering	Open Cast / Under Ground	<input type="checkbox"/>	Head		m	
Industry	Private / Govt.	<input type="checkbox"/>	Qty		No's	
Other			Auto Coupling	<input type="checkbox"/>	Vertical PS	<input type="checkbox"/>
			Horizontal PS	<input type="checkbox"/>	Tube Installed	<input type="checkbox"/>
			Vertical Suspended	<input type="checkbox"/>	Pontoon	<input type="checkbox"/>

MEASURING EQUIPMENT INSTALLED (Pressure Gauge,Flow Meter,etc)

Item Detail	Type	Manufacturer	Technical Detail	Condition
Pressure Gauge				
Flowmeter				

2. MECHANICAL INSTALLATIONS

2.1 Is the Mechanical equipment installed correctly ?		Yes	No
*	Are Valves,Flow meters, Pressure Gauge installed ?	<input type="checkbox"/>	<input type="checkbox"/>
*	Are the EoT/HoT Installed ?	<input type="checkbox"/>	<input type="checkbox"/>
*	Is the piping clean and free from debris ?	<input type="checkbox"/>	<input type="checkbox"/>
*	Are the pumpset guide pipes correctly installed ? (If applicable)	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Are the Auto Coupling correctly installed ? (If applicable)		Yes	No
*	Is the Auto coupling Pedestal properly installed (horizontal & vertical) ?	<input type="checkbox"/>	<input type="checkbox"/>
*	Are the contact surface of the Auto Coupling Pesestals flat and without damages ?	<input type="checkbox"/>	<input type="checkbox"/>
*	Does the pumpset meet the Autocoupling Pedestal in a tight connection without gaps ?	<input type="checkbox"/>	<input type="checkbox"/>
*	Does the delivery pipes have sufficient rotation stops ? (If applicable)	<input type="checkbox"/>	<input type="checkbox"/>
*	Is the suction piping made according to AQUA design recommendations ? (For Dry installed pumpsets)	<input type="checkbox"/>	<input type="checkbox"/>

3. ELECTRICAL INSTALLATIONS

CONTROL PANEL INSTALLED

Item Detail	Type		
*	FCMA / Soft Starter	<input type="checkbox"/>	Star/Delta
*	VFD	<input type="checkbox"/>	DOL
*	ATS	<input type="checkbox"/>	

3.1 Electrical Settings	ASPECT	Measured Value	Recommendation
*	Overload Protections :	Measurement	Recommendation < 1.1 x I _{max}
*	Phase to Earth Insulation : (Note : While measuring - VFD and / or Soft starter must be disconnected)	Measurement	Recommendation > 10 M Ohms
*	Condition of Inbuilt Protections (PSLD / SBWLD / CCWLD / WTD / BTD)	Measurement	Recommendation (noramly opened/closed)

Comments (if any) :

Report Issued By :	Contractor :	Contact detail :	Sign :
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Note : Photos of the Site must be attached with the Checklist.