

PRODUCTION WATER PUMP					Doc No						
					Rev No.		0				
					Sheet No.						
					Project title.						
					Date.		2019-8-10				
Item Description			Data		Remarks						
	Item		Production Water								
	Item Tag		P-1003A/B/C								
	Item Code										
	Service		Production Water								
	Quantity	No.	3 X (100 % Capacity)								
General Data	Country Installation		Pakistan								
	Location		Out Door								
	Design code		Vendors Standards								
	Inspection authority		NA								
	Ambient temperature min / max		°F -								
	Altitude		Ft -								
	Relative Humidity min / max		%								
	Wind Velocity (max)		mph -								
	Seismic loads(Coefficient)		-								
	Area classification										
Maximum sound pressure level at 1meter		dB(A) < 84									
Site Elevation from sea level		Ft -									
Design Data	Fluid		Production Water		<table border="1"> <tr> <td>Free oil (ppm)</td> <td>50</td> </tr> <tr> <td>TDS(ppm)</td> <td><3500</td> </tr> </table>			Free oil (ppm)	50	TDS(ppm)	<3500
	Free oil (ppm)	50									
	TDS(ppm)	<3500									
	pH		6-9								
	Fluid Type		☒ Corrosive ☐ Non-Corrosive								
	Solids		☒ None ☐ Present								
	Service Conditions		Minimum	Normal	Max/Design						
	Capacity		USGPM	105		PD Pump					
	Pumping Temperature		°F	77							
	Pressure in Vessel		Psi A	14.7							
	Specific Gravity @ pumping temperature										
	Discharge Pressure Outlet RCV		Psig	1450							
	NPSH Available		ft	35							
	NPSH Required		ft	Vendor							
	Pump Type			Vendor							
	No.Of stages		#	Vendor							
	Pump Speed		RPM	Vendor							
Efficiency		%	Vendor								
Hydraulic Power		Kw	88.3								
Driver Power		Kw	Vendor								
Mechanical design temperature		°F	200								
Mechanical Data	Line Size Inlet / Outlet		4" /3"								
	Flange Rating inlet /outlet		Vendor								
	Bearing Type / Lubrication Type		Vendor								
	Casing spilt		Vendor								
	Coupling / Guard		Vendor								
	Mechanical Seal		Vendor								
	Rotation from coupling end		Vendor								
	Flushing / Cooling Plan		Vendor								
	Casing		Vendor								
	Impeller material		Vendor								
	Wear Ring		Vendor								
	Shaft		Vendor								
Electrical Data	Driver Type		Electric Motor								
	BHP		Vendor								
	Starter Type		ASD								
	Frame		Vendor								
	Enclosure / Motor protection class		TEFC / IP55								
	Phase / Cycles / Volts		3 / 50 / 400								
	Temperature Class		T4								
	Insulation class / Max.Temp		F								
Area Classification											
Additional Data & Accessories			Data								
	Suction Strainer Specs / Drawings		Vendor								
	Strainer Delta P		Vendor								
	Recirculation Valve Specs / Drawings		Vendor		N/A						
	Recirculation Valves Delta P		Vendor		N/A						
	Performance Curves		Vendor								
	Minimum Flow Requirement		Lb / hr	Vendor	IF REQUIRED						
	Cooling Water Requirement		Lb / hr	Vendor							
Temperature Max / Min		°F	35 / 25								
Pressure Max / Min		PSIG	4 / 3								
Notes	1)										
	2)										
	3)										
	4)										
	5)										