									Rev.
1	APPLICABLE TO:	○ PROPOSAL	● DESIGN	○ PURCHASE	○ AS BUILT				
2			UNIT	**FIRE WATER**					
3			NO. REQUIRED	**2 OF**	**JOCKEY FIRE WATER PUMPS**				
4	SERVICE	**Fire water**	PUMP SIZE, TYPE & NO. OF STAGES				**Horizontal**		
5	VENDOR		MODEL	**By vendor**			SERIAL NO.	**By vendor**	
6	Note: ❍ Represents data to be completed by CONTRACTOR		☐ by VENDOR	[❍❁ by VENDOR if not by CONTRACTOR					
7	**GENERAL**								
8	PUMPS TO OPERATE IN (PARALLEL)	**YES**							
9	NO. MOTOR DRIVEN	**2**							
10	PUMP ITEM NO.	**P-203 A/B**							
11	MOTOR ITEM NO.	**M-203 A/B**							
12	MOTOR PROVIDED BY	**BY VENDOR**							
13	MOTOR MOUNTED BY	**BY VENDOR**							
14	APPLICABLE OVERLAY STANDARD	**NFPA 20, IPS,API 610**							
15	**OPERATING CONDITIONS**					**LIQUID**			
16	● CAPACITY:	(Normal / Rated)	15 / 16.5	m³/hr		● TYPE OR NAME OF LIQUID	**Raw Water**		
17						LIQUIDS ○ TOXIC	○ FLAMMABLE	○ OTHER	
18	● SUCTION PRESSURE	(MAX / RATED)	**1.40 / -0.08**	**Barg**		● PUMPING TEMPERATURE (PT)	NORMAL	˚C	
19	● DISCHARGE PRESSURE @ RATED FLOW		**8.40 / 6.92**	**Barg**		MAXIMUM **47 (Note 2)** ˚C	MINIMUM	**13** ˚C	
20	● DIFFERENTIAL PRESSURE		**7.00**	**Bar**		● SPECIFIC GRAVITY	**1** @	PT	
21	● DIFFERENTIAL HEAD		71.43	**m**		○ MAXIMUM SPECIFIC GRAVITY	**1** @	˚C	
22	● NPSHA		**10.00**	**m**		● SPECIFIC HEAT	**4.18** (KJ/KG.˚C)		
23	○ HYDRAULIC POWER		**3.20833**	KW		● VAPOUR PRESSURE @ PUMPING TEMP	**0.1** Bara		
24	SERVICE: ○ CONTINUOUS	● INTERMITTENT				● VISCOSITY	**0.60** cP @	**50**	
25	PROCESS VARIATION					○ MAX VISCOSITY @ MIN TEMP	cP @ COLD START		
26	STARTING CONDITION					○ CORROSIVE/EROSIVE AGENT			
27	● PARALLEL OPERATION CONDITION REQ'D					● CHLORIDE CONCENTRATION			
28	**SITE AND UTILITY DATA**					○ H2S CONCENTRATION			
29	**LOCATION**					**CONVENTIONS**			
30	○ INDOOR ○ OUTDOOR	● UNDER ROOF	○ PARTIAL SIDES			NPSH REFERENCE DATUM			
31	● UNHEATED ○ HEATED	○ GRADE	○ MEZZANINE			○ PUMP CENTRELINE	○ UNDERSIDE OF BASEPLATE		
32	○ ELECTRICAL AREA CLASSIFICATION					○ SUCTION NOZZLE CENTRELINE	○ OTHER		
33	TEMP CLASS	GAS GROUP	ZONE	**SAFE AREA**		❍ **ESTIMATED POWER**			
34	○ WINTERISATION REQ'D	● TROPICALISATION REQ'D				ESTIMATED PUMP EFFICIENCY			
35	**SITE DATA:**					ESTIMATED RATED PUMP ABSORBED POWER		KW	
36	● ELEVATION	**29** m	● BAROMETER, Bara	**1.028**		ESTIMATED PUMP ABSORBED POWER AT MAX. SG		KW	
37	● RANGE OF AMBIENT TEMPS: MIN/MAX	**13.2/46.2**	˚C			DRIVER RATING FACTOR PER API 610			
38	● RELATIVE HUMIDITY: MAX/MIN	**87 / 48**	%			ESTIMATED DRIVER RATING		KW	
39	**UNUSUAL CONDITIONS**					**RATED PERFORMANCE**			
40	● DUST ○ FUMES	○ OTHER	● SEA BREEZE			☐ rpm			
41	**UTILITIES**					☐ PROPOSAL CURVE NO			
42	STEAM: Press. (Max/./ Min.)		Temp. (Max./ r Min.)			☐ IMPELLER Dia mm:	RATED		
43				˚C		MAX.	MIN.		
44	ELECTRICITY DRIVERS	HEATING	CONTROL	SHUTDOWN		■ RATED POWER KW	EFFICIENCY	**%**	
45	MAIN	AUX				☐ MINIMUM CONTINUOUS FLOW			
46	VOLTAGE					THERMAL m³/H	STABLE	m³/H	
47	HERTZ					☐ MAX HEAD RATED IMPELLER		m	
48	PHASE					☐ MAX POWER RATED IMPELLER		KW	
49	COOLING WATER					☐ NPSH REQUIRED AT RATED CAPACITY		m	
50	TEMP INLET ˚C		MAX RETURN	˚C		☐ SUCTION SPECIFIC SPEED		(rpm,m³/H,m)	
51	PRESS NORMAL Barg		DESIGN	Barg		■ MAX SOUND PRESSURE LEVEL	**85 @ 1M**	dB(A)	
52	MIN RETURN Barg		MAX ALLOW DP	Bar					
53	WATER SOURCE	**Raw Water**							
54	INSTRUMENT AIR PRESSURE (Barg)								
55	MAX.	NORMAL	MIN.						

	NOTES	Rev.
Note 1 :	Break horse power is calculated at 70% efficiency- Vendor to confirm	
Note 2:	Pump design temperature 85 ◦C	
Note 3:	Max. allowable pressure at shut off shall be 1.2 rated pressure	
Note 4:	Pumps shall comply with NFPA 20 and API 610 requirements.	