

	SCREW PUMP	Job No.		Doc. No.	12345		Rev.	A
		Customer		XX	XX	XX	1 of 2	
		Location						
	TECHNICAL BID EVALUATION (TBE)	Item		Prd.	Chk.	App.	Sheet	
		Service						

Description	Units	Required Data	Vendor :	Remarks
			Bid:	
			Date:	

1.	REFERENCE DOCUMENTS				
2.					
3.	TYPE				
4.	MODEL				
5.					
6.	SITE DATA				
7.					
8.	ELECTRIC AREA CLASSIFICATION				
9.					
10.	EC DECLARATION		ATEX / CE Marking Machinery Directive 2006/42/EC		
11.					
12.					
13.	FLUID DATA				
14.	TYPE OR NAME OF LIQUID				
15.	PUMPING TEMPERATURE (NORM/MIN/MAX)	°C			
16.	VISCOSITY (NORM/MIN/MAX)	cP			
17.					
18.	OPERATING CONDITIONS				
19.	CAPACITY	m3/h			
20.	SUCTION PRESSURE	kg/cm2g			
21.	DISCHARGE PRESSURE	kg/cm2g			
22.	DIFFERENTIAL PRESSURE	kg/cm2			
23.					
24.	PERFORMANCE				
25.	RATED CAPACITY	m3/h			
26.	NPSH REQUIRED	m			
27.	RATED SPEED	rpm			
28.	VOLUMETRIC EFFICIENCY	%			
29.	MECHANICAL EFFICIENCY	%			
30.	kW AT MAXIMUM VISCOSITY	kW			
31.	kW AT RELIEF VALVE SETTING	kW			
32.					
33.	MECHANICAL DESIGN CONDITIONS		Static conditions, not in operation		
34.	DESIGN PRESSURE	kg/cm2g			
35.	DESIGN TEMPERATURE (MIN/MAX)	°C			
36.					
37.	CONSTRUCTION				
38.	CASING:				
39.	MAXIMUM ALLOWABLE PRESSURE	kg/cm2g	MAWP ≥ PSV set		
40.	HYDROSTATIC TEST PRESSURE	kg/cm2g			
41.					
42.	CASING CONNECTION:				
43.	FLANGES		As per ASME B16.5		
44.	SURFACE ROUGHNESS		125 AARH		
45.	RATING		300#		
46.					
47.	SHAFT SEAL:				
48.	TYPE				
49.	MANUFACTURER				
50.	MODEL				
51.					
52.	BEARING:				
53.	TYPE				
54.	MANUFACTURER				
55.	MODEL				
56.					
57.	LUBRICATION TYPE				
58.	LUBRICANT TYPE				

	SCREW PUMP	Job No.		Doc. No.	12345		Rev.	A
		Customer		XX	XX	XX	2 of 2	
		Location						
	TECHNICAL BID EVALUATION (TBE)	Item		Prd.	Chk.	App.	Sheet	
		Service						

Description	Units	Required Data	Vendor :	Remarks
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59.	MATERIALS		Mfr. Std. for the specified operating conditions		
60.	CASING				
61.	END PLATES				
62.	ROTOR(S)				
63.	SHAFT				
64.	SLEEVE				
65.	BEARING HOUSING				
66.					
67.	MATERIAL CERTIFICATION				
68.	PRESSURE RETAINING PARTS		EN 10204 Type 3.1		
69.	LIFTING LUGS, CASING BOLTS, ETC.		EN 10204 Type 3.1		
70.	NON-PRESSURE PARTS		EN 10204 Type 2.1		
71.					
72.	COUPLING				
73.	MANUFACTURER				
74.	TYPE		Flexible type		
75.	SPACER LENGTH	mm			
76.	SERVICE FACTOR				
77.	LIMITED END FLOAT		Required, since the drivers have no thrust bearing		
78.					
79.	COUPLING GUARD		Non-sparking type		
80.	MATERIAL				
81.					
82.	BASEPLATE		Common steel baseplate for driven and driver equipments shall be suitable for the installation on steel structure.		
83.					
84.	PAINTING		As per Vendor's standard		
85.	PUMP		RAL 6011 (green)		
86.	COUPLING GUARD		RAL 2004 (orange)		
87.	BASE PLATE		RAL 7004 (grey)		
88.					
89.	NAMEPLATE				
90.					
91.	WELDING				
92.					
93.	TESTING				
94.	CASING HYDRAULIC TEST				
95.	PERF. AND MECHANICAL RUNNING TEST				
96.	NPSH TEST				
97.	SOUND LEVEL TESTING				
98.	RADIOGRAPHY				
99.	ULTRASUONIC INSPECTION				
100.	MAGNETIC PARTICLE INSPECTION				
101.	LIQUID PENETRANT INSPECTION				
102.					
103.	COMMISSIONING AND START UP SPARES		Included in Vendor Scope of Supply. Vendor shall indicate which parts are recommended for commissioning and start-up		
104.					
105.	OPTIONAL SPARE PARTS FOR 2 YEARS		Vendor shall indicate which parts are recommended for for two (2) years operation		
106.					
107.	CAPITAL SPARE PARTS		Not required		
108.					
109.	VENDOR DATA COMMITMENT		As per doc. No. XXX sheet Y		
110.					
111.					
112.					