



DỊCH VỤ HỖ TRỢ KỸ THUẬT PHỤC VỤ CÔNG TÁC THAY ÓNG TANKER END CỦA HỆ THỐNG PHAO SPM-NSRP

No.	DESCRIPTION	NUMBER OF PEOPLE/ EQUIPMENT	Q'TY	UNIT	UNIT RATE	AMOUNT	SPECIFICATION/ REQUIREMENTS																										
1	Supervisor	2	3	days			<ul style="list-style-type: none"> - Bachelor of Mechanical Engineering - 5 years of experiences (min.) in Mechanical - Prefer more than 3 years of experiences working for NSRP - Experiences in Oil and Gas, Offshore is a priority 																										
2	Mechanical technician	4	3	days			<ul style="list-style-type: none"> - Certificate of Mechanical Engineering - 3 years of experiences (min.) in Mechanical - Prefer more than 2 years of experiences working for NSRP 																										
3	hydraulic winch 20 Ton	1	5	days			<p>OUTLINE SPECIFICATION</p> <table border="1"> <tr> <td>Line Pull SWL - First Layer Pull</td> <td>30 Tons</td> </tr> <tr> <td>- Top Layer Pull</td> <td>20 Tons</td> </tr> <tr> <td>Hold capacity:</td> <td>30 Tons (Top layer)</td> </tr> <tr> <td>Maximum wire capacity:</td> <td>600 meters of 38mm wire rope</td> </tr> <tr> <td>Available</td> <td>150meters of 38mm Wire rope</td> </tr> <tr> <td>Drive</td> <td>Hydraulic Motor with Planetary gearbox</td> </tr> <tr> <td>Speed:</td> <td>10-20 meter/ min</td> </tr> <tr> <td>Suitable for operating:</td> <td>In no hazardous or hazadous areas</td> </tr> <tr> <td>Structure</td> <td>Offshore Standard</td> </tr> <tr> <td>Drive</td> <td>Hydraulic</td> </tr> <tr> <td>Overall Dimensions</td> <td>LWH:2.4x1.9x1.7m (including second base)</td> </tr> <tr> <td>Gross Weight</td> <td>5.5 tons (including wire rope)</td> </tr> <tr> <td>Certificate:</td> <td>Function& load test</td> </tr> </table>	Line Pull SWL - First Layer Pull	30 Tons	- Top Layer Pull	20 Tons	Hold capacity:	30 Tons (Top layer)	Maximum wire capacity:	600 meters of 38mm wire rope	Available	150meters of 38mm Wire rope	Drive	Hydraulic Motor with Planetary gearbox	Speed:	10-20 meter/ min	Suitable for operating:	In no hazardous or hazadous areas	Structure	Offshore Standard	Drive	Hydraulic	Overall Dimensions	LWH:2.4x1.9x1.7m (including second base)	Gross Weight	5.5 tons (including wire rope)	Certificate:	Function& load test
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4	hydraulic winch operator	1	5	days			Be capable to motivate this below machine (the hydraulic winch machine)																										
5	Generator 75KVA for winch	1	7	days			<ul style="list-style-type: none"> - Engine Specifications 1.800 r.p.m - Rated Output: 77,5 kW prp ; 85,4kW standby - Engine Type: 4-stroke diesel - Injection Type: Direct - Aspiration Type: Turbocharged - Number of cylinders and arrangement: 4-L - Bore and Stroke: 104 x 132 mm - Displacement: 4,5 L - Cooling System: Liquid (water + 50% glycol) <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="font-size: small;"> <p>Model HFW-60 T6 HFW-60 T6 Three phase Diesel Open Skid</p> </div> <div style="font-size: x-small;"> <p>Powered by FPT_IVECO Alternator MECC ALTE</p> <table border="1"> <tr> <td></td> <td>PRP</td> <td>ESP</td> <td>COP</td> </tr> <tr> <td>POWER kVA</td> <td>75</td> <td>83</td> <td></td> </tr> <tr> <td>POWER kW</td> <td>60</td> <td>66</td> <td></td> </tr> </table> <p align="center">Request info.</p> </div> <div style="text-align: center;">  </div> </div>		PRP	ESP	COP	POWER kVA	75	83		POWER kW	60	66															
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6	Bolt tightening machine	1	3	days		<p>Technical</p> <table border="1"> <thead> <tr> <th>Model No.</th> <th>PXD-075</th> <th>PXD-1</th> <th>PXD-1.5</th> <th>PXD-2</th> <th>PXD-4</th> <th>PXD-8</th> <th>PXD-16</th> <th>PXD-32</th> <th>PXD-65</th> </tr> </thead> <tbody> <tr> <td>Tool Size</td> <td>1/2inch 1/4"</td> <td>1/2inch 1/4"</td> <td>1/2inch 1/4"</td> <td>1/2inch 1/4"</td> <td>1/2inch 1/4"</td> <td>1/2inch 1/4"</td> <td>1/2inch 1/4"</td> <td>1/2inch 1/4"</td> <td>1/2inch 1/4"</td> </tr> <tr> <td>Min. Torque (kgm) (PXD-075)</td> <td>5.6(41)</td> <td>6(45)</td> <td>10(75)</td> <td>20(150)</td> <td>50(360)</td> <td>110(790)</td> <td>210(1,530)</td> <td>430(3,140)</td> <td>800(5,880)</td> </tr> <tr> <td>Max. Torque (kgm) (PXD-075)</td> <td>68(500)</td> <td>93(675)</td> <td>157(1,150)</td> <td>310(2,250)</td> <td>620(4,500)</td> <td>1,240(9,000)</td> <td>2,480(18,000)</td> <td>4,960(36,000)</td> <td>9,300(67,500)</td> </tr> <tr> <td>Output Accuracy</td> <td>+/- 3%</td> <td>+/- 3%</td> <td>+/- 3%</td> <td>+/- 3%</td> <td>+/- 3%</td> <td>+/- 3%</td> <td>+/- 3%</td> <td>+/- 3%</td> <td>+/- 3%</td> </tr> <tr> <td>Repeatability</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> </tr> <tr> <td>Duty Cycle</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> <td>100%</td> </tr> <tr> <td>Compliance Protection</td> <td colspan="9">Standard</td> </tr> <tr> <td>Cylinder Weight (kg) (L26)</td> <td>0.38(0.84)</td> <td>0.58(1.27)</td> <td>0.88(1.93)</td> <td>1.38(3.03)</td> <td>2.76(6.08)</td> <td>5.52(12.16)</td> <td>11.04(24.32)</td> <td>22.08(48.64)</td> <td>44.16(97.28)</td> </tr> <tr> <td>Leak Weight from Pipe (L26)</td> <td>0.00(0.0)</td> <td>0.00(0.0)</td> <td>0.00(0.0)</td> <td>0.00(0.0)</td> <td>0.00(0.0)</td> <td>0.00(0.0)</td> <td>0.00(0.0)</td> <td>0.00(0.0)</td> <td>0.00(0.0)</td> </tr> <tr> <td>Wt High (L26)</td> <td>0.47(1.0)</td> <td>0.66(1.4)</td> <td>0.96(2.1)</td> <td>1.44(3.2)</td> <td>2.88(6.4)</td> <td>5.76(12.8)</td> <td>11.52(25.6)</td> <td>23.04(51.2)</td> <td>46.08(102.4)</td> </tr> </tbody> </table> 	Model No.	PXD-075	PXD-1	PXD-1.5	PXD-2	PXD-4	PXD-8	PXD-16	PXD-32	PXD-65	Tool Size	1/2inch 1/4"	1/2inch 1/4"	1/2inch 1/4"	1/2inch 1/4"	1/2inch 1/4"	1/2inch 1/4"	1/2inch 1/4"	1/2inch 1/4"	1/2inch 1/4"	Min. Torque (kgm) (PXD-075)	5.6(41)	6(45)	10(75)	20(150)	50(360)	110(790)	210(1,530)	430(3,140)	800(5,880)	Max. Torque (kgm) (PXD-075)	68(500)	93(675)	157(1,150)	310(2,250)	620(4,500)	1,240(9,000)	2,480(18,000)	4,960(36,000)	9,300(67,500)	Output Accuracy	+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%	Repeatability	100%	100%	100%	100%	100%	100%	100%	100%	100%	Duty Cycle	100%	100%	100%	100%	100%	100%	100%	100%	100%	Compliance Protection	Standard									Cylinder Weight (kg) (L26)	0.38(0.84)	0.58(1.27)	0.88(1.93)	1.38(3.03)	2.76(6.08)	5.52(12.16)	11.04(24.32)	22.08(48.64)	44.16(97.28)	Leak Weight from Pipe (L26)	0.00(0.0)	0.00(0.0)	0.00(0.0)	0.00(0.0)	0.00(0.0)	0.00(0.0)	0.00(0.0)	0.00(0.0)	0.00(0.0)	Wt High (L26)	0.47(1.0)	0.66(1.4)	0.96(2.1)	1.44(3.2)	2.88(6.4)	5.76(12.8)	11.52(25.6)	23.04(51.2)	46.08(102.4)
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8	High pressure jet cleaning machine 35,000 psi	1	2	days		<ul style="list-style-type: none"> - Working pressure: 700 bar - Fitted with 30 degree x 360 degree Uni-Swivel - Designed for tightening & loosening applications - Accurate to +/- 3% with standard torque chart supplied 																																																																																																														
9	Jet cleaning operator	6	2	days		Be capable to motivate this below machine (the jet cleaning machine)																																																																																																														
10	Set of testing equipment	1	3	days		<p>- The leaktest sequence/ requirements</p> 