




 OIEC	<b>General arrangement drawing</b> 140-P-103/203 A/B	 N I O C																												
<p>EQUIPMENT NAME:    MP flare pumps</p> <p>DOCUMENT TITLE:    <b>General arrangement drawing</b></p>																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><b>Code1</b></td> <td><input checked="" type="checkbox"/> (Approved ) Vendor to submits " For Final" (No comment &amp; release for manufacturing)</td> </tr> <tr> <td><b>Code2</b></td> <td><input type="checkbox"/> ( Approved with comments ) : Vendor shall correct / revise &amp; resubmit it as " For Final " (Released for manufacturing if change incorporated as indicated)</td> </tr> <tr> <td><b>Code3</b></td> <td><input type="checkbox"/> (Commented ) : Vendor shall correct / revise &amp; resubmit . It as " For Approval" of the date specified : ( Corrected documents to be resubmitted before starting manufacturing )</td> </tr> <tr> <td><b>Code4</b></td> <td><input type="checkbox"/> Not Acceptable quality (Reject)</td> </tr> <tr> <td colspan="2">           The above checking result by OIEC shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing         </td> </tr> <tr> <td colspan="2" style="text-align: center;">             OIEC – SP20 &amp;21         </td> </tr> <tr> <td colspan="2">           Date: <b>15.Feb.2015</b>            Dept: <b>Machinery</b>            Signature: <b>A.Shahderian</b> </td> </tr> <tr> <td colspan="2" style="text-align: center;">Only for internal review</td> </tr> <tr> <td>CV</td> <td>PI</td> <td>EL</td> <td>IN</td> <td>ME</td> <td>MA</td> </tr> <tr> <td>ST</td> <td>BU</td> <td>PR</td> <td>SA</td> <td>HV</td> <td>TL</td> </tr> </table>			<b>Code1</b>	<input checked="" type="checkbox"/> (Approved ) Vendor to submits " For Final" (No comment & release for manufacturing)	<b>Code2</b>	<input type="checkbox"/> ( Approved with comments ) : Vendor shall correct / revise & resubmit it as " For Final " (Released for manufacturing if change incorporated as indicated)	<b>Code3</b>	<input type="checkbox"/> (Commented ) : Vendor shall correct / revise & resubmit . It as " For Approval" of the date specified : ( Corrected documents to be resubmitted before starting manufacturing )	<b>Code4</b>	<input type="checkbox"/> Not Acceptable quality (Reject)	The above checking result by OIEC shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing		 OIEC – SP20 &21		Date: <b>15.Feb.2015</b> Dept: <b>Machinery</b> Signature: <b>A.Shahderian</b>		Only for internal review		CV	PI	EL	IN	ME	MA	ST	BU	PR	SA	HV	TL
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04	Jan,26,15	ISSUED FOR APPROVAL	S.Ta	S.Ra	A.Ar																									
03	Mar,26,14	ISSUED FOR APPROVAL	A.Na	D.Ra	A.Ar																									
02	Mar,26,14	ISSUED FOR APPROVAL	A.Na	D.Ra	A.Ar																									
01	Feb,18,14	ISSUED FOR APPROVAL	A.Na	D.ra	A.Ar																									
00	May,08,12	ISSUED FOR APPROVAL	A.Na	S.Ta	A.Ar																									
REV.	DATE	DESCRIPTION	PRE'D	CHK'D	APP'D																									
<b>SOUTH PARS GAS FIELD DEVELOPMENT (PHASES 20&amp;21), ASSALUYEH, IRAN ONSHORE FACILITIES</b>			CONTRACT NO.: POGC 572-88-35 REQ'N NO.: MR-SP2021-ON-MA-0910-0006																											
 I.I.P. Group IRAN INDUSTRIAL PUMPS			ITEM NO.: 140-P-103/203 A/B DOCUMENT NO.: VP-SP2021-ON-MA-140-P103-0002																											



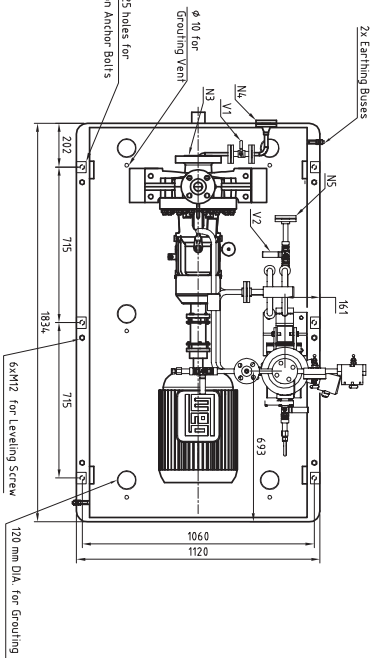
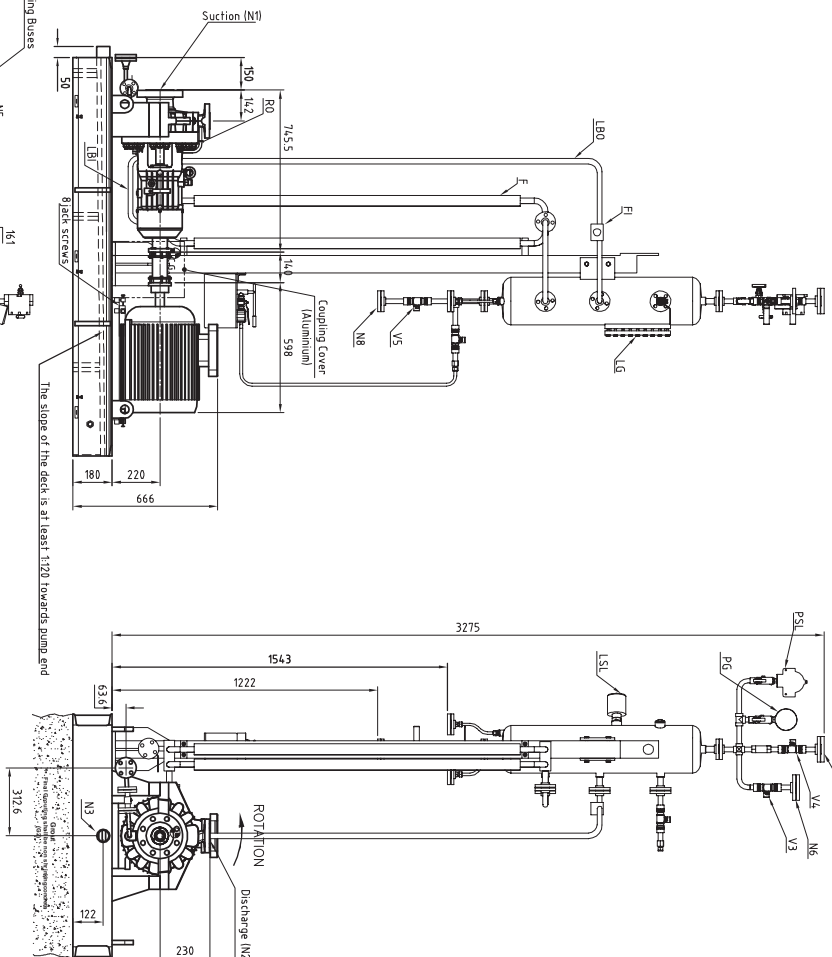
## General arrangement drawing

140-P-103/203 A/B

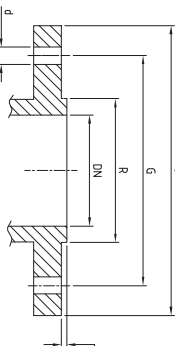
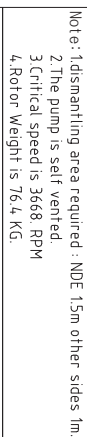


Page	Rev 0	Rev 1	Rev 2	Rev 3	Rev 4	Rev 5	Rev 6	Rev 7	Rev 8	Rev 9	Rev 10
1.	X	X	X	X	X						
2.	X	X	X	X	X						
3.	X	X	X	X	X						
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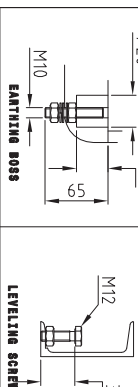
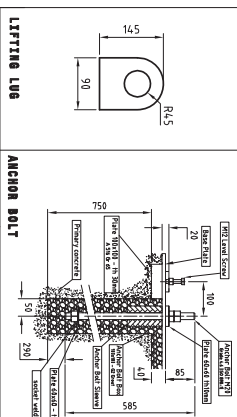
[illegible]

<b>DYNAMIC LOAD</b>	
Horizontal load (N) = 2190	
Vertical load (N) = 26321	
<b>ELECTRICAL MOTOR</b>	
EL.MOTOR :	WEG
FRAME :	160 M
kW :	11
ENCL. :	TEFC/Exem B 13
synchronous speed : 3000 rpm	
<b>COUPLING</b>	
COUPLING :	IP
IP55-0.3-2512-140	
TYPE :	



CENTER OF GRAVITY			(mm)	
	DWHER COG	X	431	
	TOTAL COG	Y	-2	
	PUMP COG	Z	416	
	PUMP	X	1600	
		DWHER	X	0
		Z	110	
		Y	860	
	BSE & COUPL	Y	-350	
		Z	160	
	SEALING SYS	X	900	
Y		-14		
TOTAL	Z	470		




REFERENCE DRAWINGS	
DESCRIPTION	DWG. NO.
PUMP DATA SHEETS	VP-59-0021 - 0N-MW-140-P103-0001
SECTIONAL DRAWING	VP-59-0021 - 0N-MW-140-P103-0004
Mechanical SEAL DRAWING & BOM	VP-59-0021 - 0N-MW-140-P103-0006
COUPLER DRAWING	VP-59-0021 - 0N-MW-140-P103-0006
ELECTRICAL MOTOR DATA SHEET	VP-59-0021 - 0N-MW-140-P103-0007
ELECTRICAL MOTOR OUTLINE DRAWING	VP-59-0021 - 0N-MW-140-P103-0008
SEAL PLAN (DWG. AND PHOTO)	VP-59-0021 - 0N-MW-140-P103-0020
Seal Photo	APR 1944 11 / 53A



	0.3 (mm)		0.5 (degree)	
FORCE	N		MOMENTS Nm	
	$F_v$	$F_h$	$M_x$	$M_y$
	2 x API 610			
DISCHARGE :	1420	1160	2560	920
			460	700
SUCTION :	2660	2140	1780	3860
			1900	940
			1440	7

**FOUNDATION LOADS (approx. weight)**

BEE & COUPING & STAINING SYSTEM :									
MOTOR :									
TOTAL :									
01	02	03	04	05	06	07	08	09	10
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION
QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY	QTY
UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT	UNIT
PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE
AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT	AMOUNT
									859.99

<p>SOOTH PANS GAS FIELD DEVELOPMENT</p> <p>PHASE 2&amp;3A</p> <p>ASSAULTER ONSHORE PLATFORM</p>		 <p>NIOC</p> <p>NAFIS</p>	
<p>PROJECT No.: POCG-572-88-35</p>	<p>DOC CLASS: 01</p>	<p>SCALE: 1:16</p>	
<p>Vendor:</p> <div style="text-align: center;">  <p><b>LIP GROUP</b></p> <p>LOCAL INDUSTRIAL PARTS CO.</p> </div>	<p>Purchaser:</p> <div style="text-align: center;">  <p><b>OIEC</b></p> </div>	<p>7/2011</p> <p>REV. 001</p>	
<p>Document Title: <b>GENERAL ARRANGEMENT</b></p>		<p>Pump Types:</p>	<p>10/11</p>
<p>WP PHASE FOURS</p> <p>140-P-103/203 A/B</p>		<p>OHC 40-2</p>	
<p>DRAWING No.</p> <p>WP-SPR021-ON-WA-140-P103-0002</p>	<p>SHEET No. 3 OF 3</p>	<p>REV.</p>	