




 OIEC	General arrangement drawing 102-P-105 A/B	 N I O C																										
<p>EQUIPMENT NAME: Rich MEG pumps</p> <p>DOCUMENT TITLE: General arrangement drawing</p>																												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Code1</td> <td><input checked="" type="checkbox"/> (Approved) Vendor to submits " For Final " (No comment & release for manufacturing)</td> </tr> <tr> <td>Code2</td> <td><input type="checkbox"/> (Approved with comments) : Vendor shall correct / revise & resubmit it as " For Final " (Released for manufacturing if change incorporated as indicated)</td> </tr> <tr> <td>Code3</td> <td><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)</td> </tr> <tr> <td>Code4</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 style="text-align: center;">  OIEC – SP20 &21 </td> <td> Date: 15.Feb.2015 Dept: Machinery Signature: A.Shahderian </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>			Code1	<input checked="" type="checkbox"/> (Approved) Vendor to submits " For Final " (No comment & release for manufacturing)	Code2	<input type="checkbox"/> (Approved with comments) : Vendor shall correct / revise & resubmit it as " For Final " (Released for manufacturing if change incorporated as indicated)	Code3	<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)	Code4	<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: 15.Feb.2015 Dept: Machinery Signature: A.Shahderian	Only for internal review		CV	PI	EL	IN	ME	MA	ST	BU	PR	SA	HV	TL
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05	Jan,26,15	FOR FINAL	S.Ta	S.Ra	A.Ar																							
04	Jul,22,14	FOR FINAL	A.Na	S.Ra	A.Ar																							
03	May,08,14	FOR FINAL	A.Na	S.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,08,13	ISSUED FOR APPROVAL	A.Na	S.Ta	A.Ar																							
REV.	DATE	DESCRIPTION	PRE'D	CHK'D	APP'D																							
SOUTH PARS GAS FIELD DEVELOPMENT (PHASES 20&21), ASSALUYEH, IRAN ONSHORE FACILITIES			CONTRACT NO.: POGC 572-88-35 REQ'N NO.: MR-SP2021-ON-MA-0910-0006																									
 I.I.P. Group IRAN INDUSTRIAL PUMPS			ITEM NO.: 102-P-105 A/B DOCUMENT NO.: VP-SP2021-ON-MA-102-P105-0002																									



General arrangement drawing

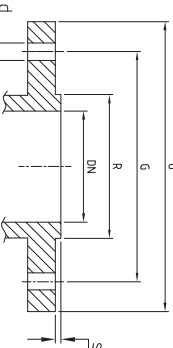
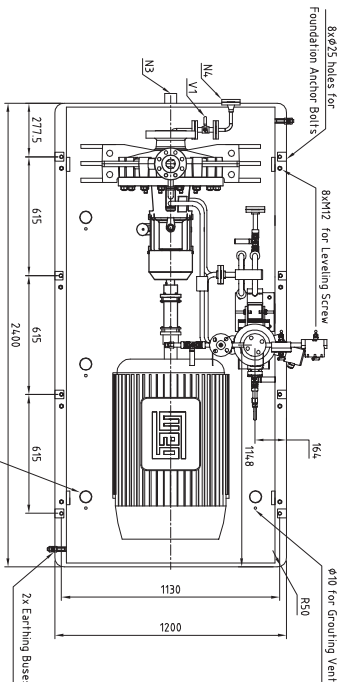
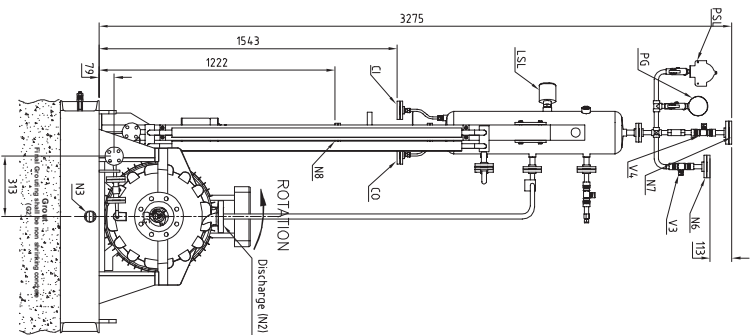
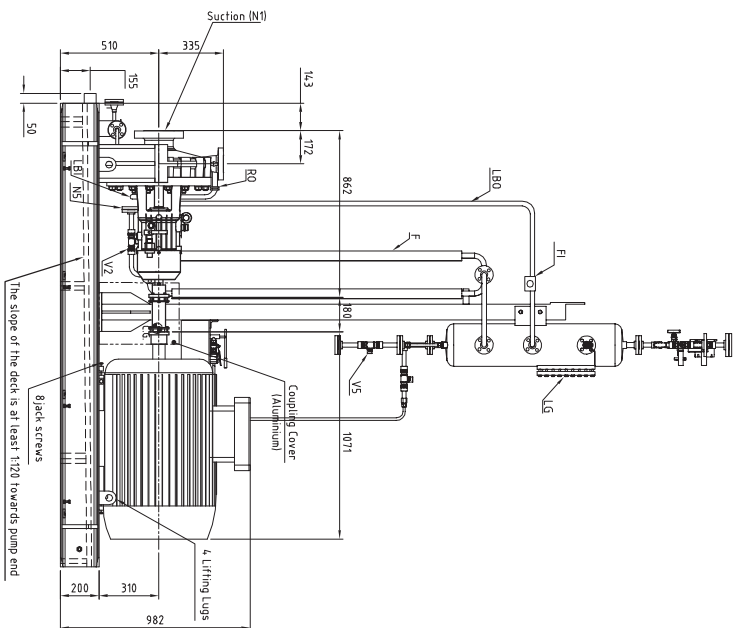
102-P-105 A/B



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	X					
2.	X	X	X	X	X	X					
3.	X	X	X	X	X	X					
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I.I.P. Group
IRAN INDUSTRIAL PUMPS






Note: 1) Disassembling area required: NDE: 15m other sides 1m.
 2) The pump is self vented
 3) Critical speed is 3706/25 RPM
 4) Rotor Weight is 245.3 KG.
 5) Dynamic load are calculated based on the center of gravity.

VIBRATION LEVEL

Alarm :	V(RMS) > 3 mm/sec
Tripping :	V(RMS) > 5.9 mm/sec

PUMP NOZZLES: ANSI B16.5



					
1.5 mm FORCE		0.65 (mm)		0.5 (degree)	
N		2 + 4P1 610		2 + 4P1 610	
F ₁	F ₂	F ₃	M ₁	M ₂	M ₃
15420	11460	17380	920	640	700
1620	2840	2150	2660	1360	2000
FOUNDATION LOADS (approx. weight)					
PIPE :			315 kg		
BASE & COUPLING & SEALING SYSTEM :			806 kg		
WIND :			664 kg		

[illegible]

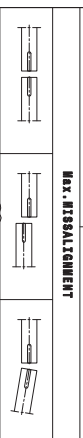
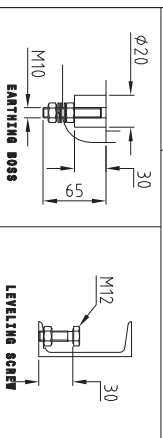
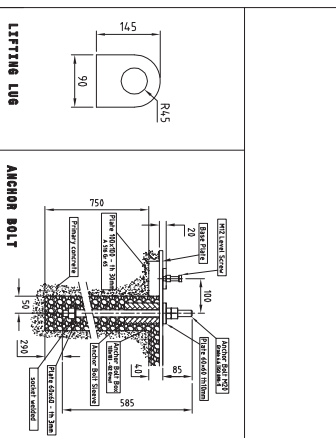
90 mm DIA. for Growing

Dynamic Load	
Horizontal load (N) = 2803	
Vertical load (N) = 5512	
ELECTRICAL MOTOR	
EL.MOTOR :	MES
PRIME :	FASE : 3
NAME :	280 S/A
POWER :	400
W :	75
HP :	50
END :	1575 / 5cm IB 13 Synchronous Speed : 3000 rpm
COUPLING	
COUPLING :	IP
TYPE :	IP55-075-251-180

CENTER OF GRAVITY		(mm)	
	DRIVER C.O.G.	X	503
	TOTAL C.O.G.	Y	-2
	PUMP C.O.G.	Z	550
		X	1745
		Y	0
	DRIVER	Z	542
		Y	0
		X	1880
		Y	-22
		Z	217
	BASE & COUPL & SEALING SYS.	X	1165
		Y	-14
		Z	500
	TOTAL	X	
		Y	
		Z	

PROJECT No.: POCG-572-BB-35	DOC CLASS: 01	SCALE: 1/18
Vendor:  LLP GROUP BAN INDUSTRIAL PUPUS CO.	Purchaser:	 DIEC
Document Title: GENERAL ARRANGEMENT RICH MEG PUPUS 102-P-105 A/B	Pump Type: OHC 50-400	
DRAWING No.	SHEET No. 3 OF 3	REV. 05

REFERENCE DRAWINGS	
DESCRIPTION	DWG. NO.
PAVING DATA SHEET	VP-59(202) - 04-MA-102-PI-05-0001
SECTIONAL DRAWING	VP-59(202) - 04-MA-102-PI-05-0004
MECHANICAL SECT. DRAWING & BOM	VP-59(202) - 04-MA-102-PI-05-0005
CONCRETE DRAWING	VP-59(202) - 04-MA-102-PI-05-0006
ELECTRICAL MOTOR DATA SHEET	VP-59(202) - 04-MA-102-PI-05-0007
ELECTRICAL MOTOR OUTLINE DRAWING	VP-59(202) - 04-MA-102-PI-05-0008
SEAL PLAN DWG AND P&ID	VP-59(202) - 04-MA-102-PI-05-0020
Seal Plan	Rev 11 / 5A



		0.5 (degree)	
FORCE		MOMENTS	
N		Nm	
2 * M ₀ 610		2 * M ₀ 610	
F ₁	F ₂	M ₁	M ₂
DISCHARGE :	1420	1160	5260
SUCTION :	3560	2840	2130
		2560	1560
		1460	700
		2000	3600

FOUNDATION LOADS (approx. weight)

PUMP : 315 kg

BASE & COUPLING & SEALING SYSTEM : 806 kg

TOTAL : 1788 kg

WATER : 664 kg



05. Jan.26.15	For Final	U.L.P	S.Ro	S.Ro	A.A.V	ORIG
04. Jul.21.14	For Final	U.L.P	A.Ns	S.Ro	A.A.V	ORIG
03. May.24.14	For Final	U.L.P	A.Ns	S.Ro	A.A.V	ORIG
02. Feb.19.14	Issued for Approval	U.L.P	A.Ns	D.Ro	A.A.V	ORIG
01. Feb.19.14	Issued for Approval	U.L.P	A.Ns	D.Ro	A.A.V	ORIG
00. Jan.25.12	Issued for Approval	U.L.P	A.Ns	S.Ro	A.A.V	ORIG
REV	DATE	DESCRIPTION	ORIG	PREP.	CHKD.	APPD.
						CONFORM

SCOUT PARIS OAS FIELD DEVELOPMENT

PHASES 50&61

ASSAULTER ONBOARD FACILITIES

NOIC

<p>PROJECT No.: P00C-572-B8-55</p> <p>Vendor:  LLP GROUP 1841 INDUSTRIAL PARKS DR.</p>		<p>DOC CLASS: 01</p> <p>Purchaser:</p>		<p>SCALE : 1/18</p>	
<p>Document Title: GENERAL ARRANGEMENT</p> <p>RCR1 MEG PUMPS 102-P-105 A/B</p>		<p> OIECO</p>		<p>Pump Type: OHC 50-400</p>	
<p>DRAWING No.</p> <p>WP-SR2021-0N-M-A- 102-P-105-0002</p>		<p>SHEET No. 3 OF 3</p>		<p>REV. 05</p>	