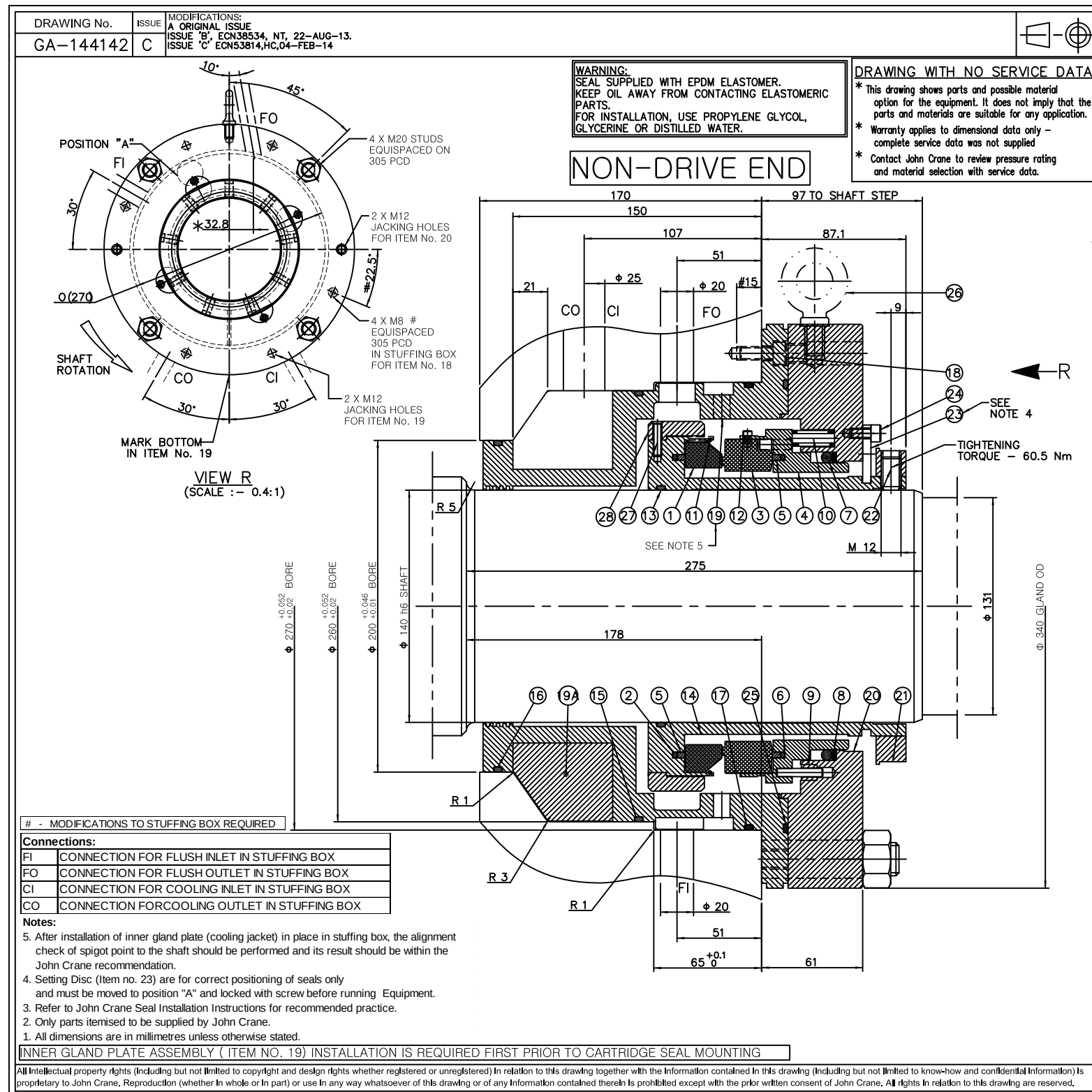


[illegible]

REFERENCE DRAWING LIST:
 OUTLINE DRAWING FOR MAIN BFP & BP
 (TB2-SDC.VP103-00LAC-M-M1B-DGA-0001)
 SECTIONAL DRAWING FOR MAIN BFP
 (TB2-SDC.VP103-00LAC-M-M1B-DSE-0001)

FOR FINAL

DOCUMENT SUBMISSION STATUS: FF						
NOTE:						
	OCT.09.2014	FOR FINAL			J.W.SHIN D.H.LEE	J.Y.AHN
REV	DATE	DESCRIPTION			PREP	CHKD APPR APRD
OWNER		OWNER'S CONSULTANT				
EPC CONTRACTOR				FICTHNER	FV POWER PCC	
POWER ISLAND PACKAGE SUPPLIER	DAELIM INDUSTRIAL CO., LTD.					
DRAWING TITLE	THAI BINH2 THERMAL POWER PLANT 2 x 600MW					
DRAWING TITLE		MECHANICAL SEAL DRAWING FOR MBFP(1/2)				
VENDOR NAME				FUNCTION	NAME	SIGN DATE
 HYUNDAI HEAVY INDUSTRIES				DRWN	J.W.SHIN	A- OCT.09.2014
				CHKD	D.H.LEE	H HLE OCT.09.2014
				APPD		
				APPD	J.Y.AHN	KJ OCT.09.2014
				JOB NO.	110180	SCALE 1/25 REV.NO.
DRAWING NO. TB2-SDC.VIP103-OOLAC-M-M1B-DSE-0004				FILE NAME : I:\20~SDC\VIP103-HM AC-M1B-B-DSE-0004		



Item	Drawing Number	Matl Code	Description	Material	Qty	Spares
1	87832-0388	9225	ROTARY SEAL RING	SILICON CARBIDE	1	X
2	0000262	5995	RSR PACKING	ETHYLENE PROPYLENE	1	X
3	901148-0318	9048	PRIMARY RING	CARBON	1	X
4	1500K02/5501	5501	SSR CARRIER ASSEMBLY	316 S.S. / JTC COAT. / MONEL K-500	1	X
5	H-1400M-1371	8368	ANTI - EXTRUSION CAP	FLUOROLOK V	2	
6	0000262	5995	SSR PACKING	ETHYLENE PROPYLENE	1	X
7	0000441	5995	SSR CARRIER PACKING	ETHYLENE PROPYLENE	1	X
8	68603-0264	7510	ANTI-EXTRUSION WASHER	PTFE	1	
9	0400K03696	5080	BUSH	POLYIMIDE	2	
10	18129-0154	0550	SPRING	316 S.S.	20	X
11	75524-0152	0550	CLIP	302 S.S.	1	
12	7103054-0005	0550	SCREW	316 S.S.	3	X
13		9579	O-RING	PERFLUOROELASTOMER	1	X
14	H-1400M-1363	0550	SLEEVE	316 S.S.	1	
15	0000273	5995	O-RING	ETHYLENE PROPYLENE	1	X
16	0000264	9579	O-RING	PERFLUOROELASTOMER	1	X
17	0000274	5995	O-RING	ETHYLENE PROPYLENE	1	X
18	71081250020	0550	SCREW	316 S.S.	4	X
19	H-1400M-1378	0550	INNER GLAND PLATE ASSEMBLY	316 S.S.	1	X
20	H-1400M-1365	0550	OUTER GLAND PLATE	316 S.S.	1	
21	H-1400M-1366	0550	DRIVE COLLAR	316 S.S.	1	
22	67121750020	0236	SCREW	HIGH TENSILE STEEL	9	X
23	97609370001	0550	SETTING DISC	316 S.S.	4	X
24	71081020012	0550	SCREW	316 S.S.	4	X
25	0000276	5995	O-RING	ETHYLENE PROPYLENE	1	X
26	8200345/951	8401	EYE BOLT	PURCHASED ITEM	1	
27	67058080020	0550	SCREW	316 S.S.	4	X
28	H-1400M-1367	0550	PUMPING RING	316 S.S.	1	
10			INNER GLAND PLATE ASSEMBLY CONSIST OF			
19	H-1400M-1368	0550	COOLING JACKET PLATE	316 S.S.	1	

HEADER CODE : 1400/RREP/--/GA144142

KKS NO.:11/21LAC10AP018/019

SEAL ASSY NO.		ASSEMBLY		BILL OF MATERIALS NUMBER	
IN :		SEAL HEAD			
OUT:		SPARES KIT			
DESCRIPTION		ITEMS		NUMBER	
EQUIPMENT REFERENCE			SEAL DATA		
OEM: HHI			API PLAN: 23	API CODE: BSPXN (C1A1A23)	
EQUIPMENT TYPE: MAIN BFP			INSTRUCTION MANUAL REF.		
MODEL, FRAME / SIZE			MATERIAL CODE:		
SERIAL / DRAWING No.			079 F48 1 079 095 1 316/316		
CUSTOMER INFORMATION			SERVICE DATA		
CUSTOMER: HHI			FLUID: BOILER FEED WATER		
P.O. NUMBER: 110180-18-101-001	PLANT ITEM NO: 11/21LACIOAPO18/019		BARRIER FLUID:		
END USER: VIETNAM OIL AND GAS GROUP(PVN)			CHAMBER PRESSURE:		
LOCATION: VIETNAM			20.1 Bar.g		
PLANT: THAI BINH 2 THERMAL POWER PLANT 2 x 600MW			SUCTION PRESSURE:		
REFERENCE DATA: DOR036166			20.1 Bar.g		
GA-143682 ISSUE 'A'			DISCHARGE PRESSURE:		
SEAL FLUSH RATE:			221.4 Bar.g		
FLUID SYSTEM DRG:			PROCESS TEMPERATURE:		
PROJECTS NO:			181 °C		
97568-KR			SHAFT SPEED:		VAPOUR PRESSURE:
			5010 RPM		
			SPECIFIC GRAVITY:		VISCOSITY:
SEAL SIZE: Ø150.00 mm				DE / NDE DRG NO:	
SEAL TYPE: RREP SINGLE CARTRIDGE				GA-144141	
SCALE	DATE	DRAWN	CHECKED	APPROVED	DESIGN AUTH.
1:1	31-May-13	NGS	SD	HC Jeon	KR02
DRAWING No.					ISSUE
					C
GA-144142					

REFERENCE DRAWING LIST:
 OUTLINE DRAWING FOR MAIN BFP & BP
 (TB2-SDC.VP103-00LAC-M-M1B-DGA-0001)
 SECTIONAL DRAWING FOR MAIN BFP
 (TB2-SDC.VP103-00LAC-M-M1B-DSE-0001)

FOR FINAL

DOCUMENT SUBMISSION STATUS:FF										
NOTE:										
	OCT.09.2014			FOR FINAL		J.W.SHIN		D.H.LEE		J.YAHN
REV	DATE		DESCRIPTION			PREP	CHKD	APRD		APRD
OWNER				OWNER'S CONSULTANT						
 VIETNAM OIL AND GAS GROUP (VNG)				 GmbH & Co. KG FICHTNER				 PV POWER PCC		
EPC CONTRACTOR				EPC CONTRACTOR'S CONSULTANT						
 PETROVIETNAM CONSTRUCTION JOINT STOCK CORPORATION (PVC)				 WorleyParsons innovations & energy WORLEYPARSONS						
POWER ISLAND PACKAGE SUPPLIER				DAELIM INDUSTRIAL CO., LTD.						
 SOJITZ CORPORATION										
PROJECT TITLE										
THAI BINH2 THERMAL POWER PLANT 2 x 600MW										
DRAWING TITLE										
MECHANICAL SEAL DRAWING FOR MBFP(2/2)										
VENDOR NAME					FUNCTION	NAME	SIGN	DATE		
					DRWN	J.W.SHIN		OCT.09.2014		
					CHKD	D.H.LEE		OCT.09.2014		
					APPD	J.YAHN		OCT.09.2014		
					APPD	J.YAHN		OCT.09.2014		
DRAWING NO.					JOB NO.	SCALE		REV.NO.		
TB2-SDC.VP103-00LAC-M-M1B-DSE-0004					110180	1/25				
1.0					1.1	FILE NAME : TB2-SDC.VP103-00LAC-M-M1B-DSE-0004				