



VENDOR DOCUMENT
EPC CPF PHASE 2

SAMSUNG
SAMSUNG ENGINEERING

DOCUMENT DETAILS

EMPLOYER CONTRACT NO.	: 090-13-BD-205-00				
PROJECT	: EPC CPF PHASE 2 AT BADRA OILFIELD, IRAQ				
EMPLOYER	: Gazprom Neft Badra B.V.				
CONTRACTOR	: Samsung Engineering Co. Ltd				
CONTRACTOR PO NO.	: 4500125277				
PURCHASE ORDER DESCRIPTION	: Simple Cycle Power Generation				
SUPPLIER	: Mitsubishi Hitachi Power Systems, Ltd.				
DOCUMENT NO.	: GB090-4500125277-MP-C03-0006				
REVISION NO.	: 0	No. of pages (incl. sheet) : 3			
DOCUMENT DESCRIPTION	: Outline Drawing of Oil Mist Separator Skid				
EQUIPMENT TAG NO.s	: U-27101				

- Code A : Approved
- Code B : Approved with comment
- Code C : Approved with comment and Resubmit
- Code D : Rejected / Resubmit
- Code R : Reviewed / Information Only

THIS APPROVAL OR REVIEW DOES NOT RELIEVE THE VENDOR/SUBCONTRACTOR OF HIS RESPONSIBILITIES TO MEET ALL OF THE SPECIFIED REQUIREMENTS OF THE PURCHASE ORDER

	ORIGINATOR	CHECKED	APPD(PR)
SIGN			
DATE			

SAMSUNG ENGINEERING CO., LTD

Rev	Description	Date	Prepared	Checked	Approved
O	Final Drawing	13/01/2016	T.Shoji	T.Nemoto	Y.Yoshinaka
C	For Final	19/10/2015	T.Shoji	T.Nemoto	Y.Yoshinaka
B	Revised Document	25/03/2014	S.Kurokawa	T.Nemoto/Y.Yoshinaka	N.Kizuka
A	Issued for Information	17/02/2014	S.Kurokawa	T.Nemoto/Y.Yoshinaka	T.Watanabe
Rev	Description	Date	Prepared	Checked	Approved

ENGINEERING SHEET

番号 ES No.	LDE-XIBG-048 *	頁 SHEET	1 / 2
	Rev. 3 *		
訂正回数 REV. NO.	2014-03-25	日付 DATE	
1	S.K T.N/Y.Y N.K		
2	T.S T.Y Y.Y	2015-10-19	
3 *	T.S T.N Y.Y	2016-1-13	
4			
5			

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Regarding to the subjected item, the documents/drawings listed in the below table are issued as attached.

No.	Title of Document/Drawing	Doc./Dwg. No.	Rev.	Remarks
1	LUBE OIL MIST SEPARATOR SKID ASSEMBLY	M14-01900 *	5 *	

Hitachi, Ltd.
Tokyo Japan

2016 - 01 - 13 *

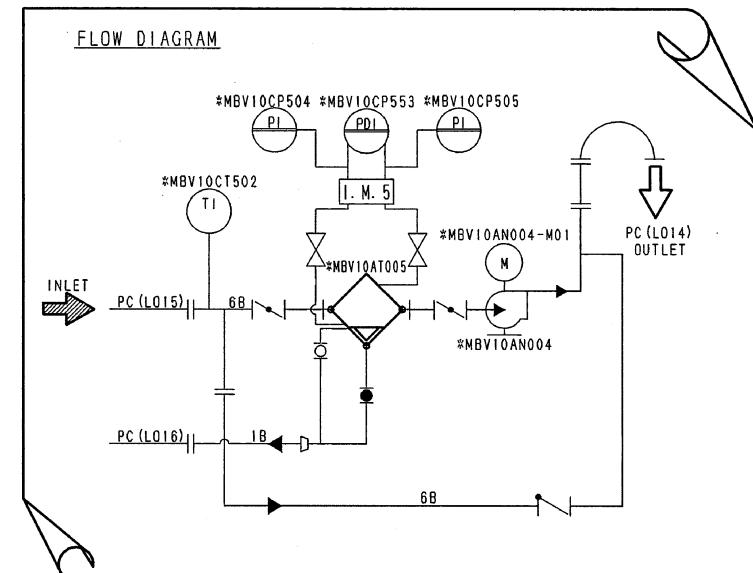
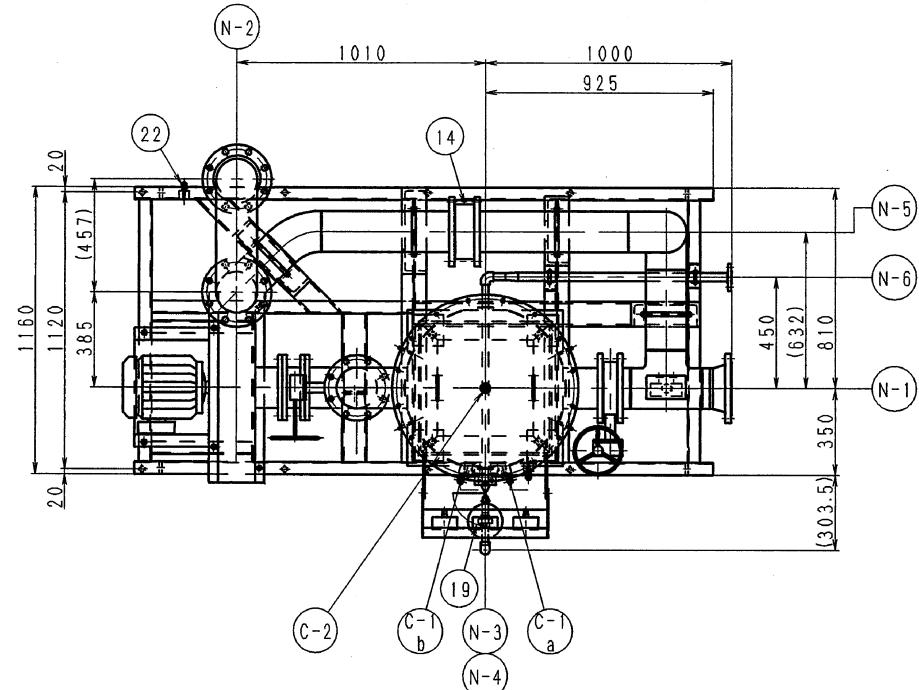
Hitachi Works

Final Drawing

Company	Project Description	Contractor
 GAZPROM NEFT	EPC CPE Phase-2 at BADRA OIL FIELD	 SAMSUNG SAMSUNG ENGINEERING
Drawing No.	GB090-4500125277-MP-C03-0006	Sheets 3 * Rev. 0 * Scale NTS

用途 PURPOSE	発行先 DISTRIBUTION				担当部課 ISSUED BY	Gas Turbine Design Sec.
□ 承認用 FOR APPROVAL	Customer	1	kakusetsu	1	作成日 DATE	2014-02-17
□ 参考用 FOR INFORMATION	Ka-Psui / Hitachi	1	kapusetsu / Hitachi	1	担当 PREPD.	S.Kurokawa
□ 検討用 FOR REVIEW	Kakensetsu / Hitachi	1	kanai / Hitachi	1	審査 CHKD.	T.Nemoto
□ 参照用 FOR REFERENCE	kapukei / Hitachi	1				Y.Yoshinaka
■ 決定図 FOR FINAL					承認 APPD.	T.Watanabe

Mitsubishi Hitachi Power Systems, Ltd.

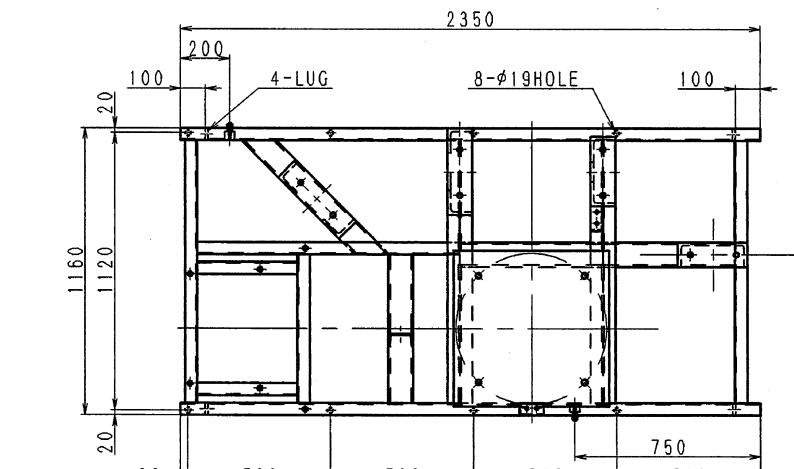
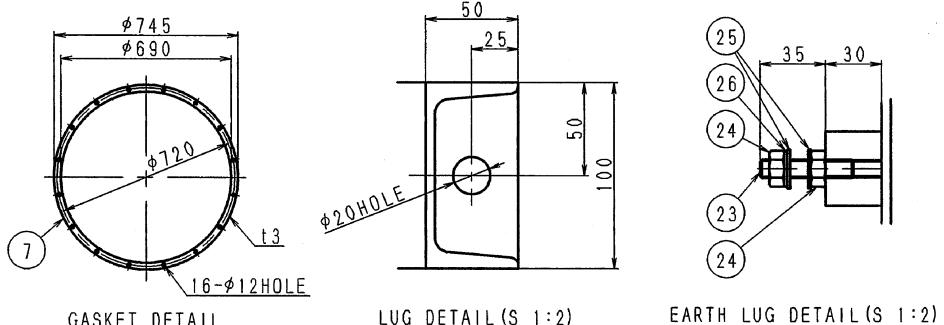
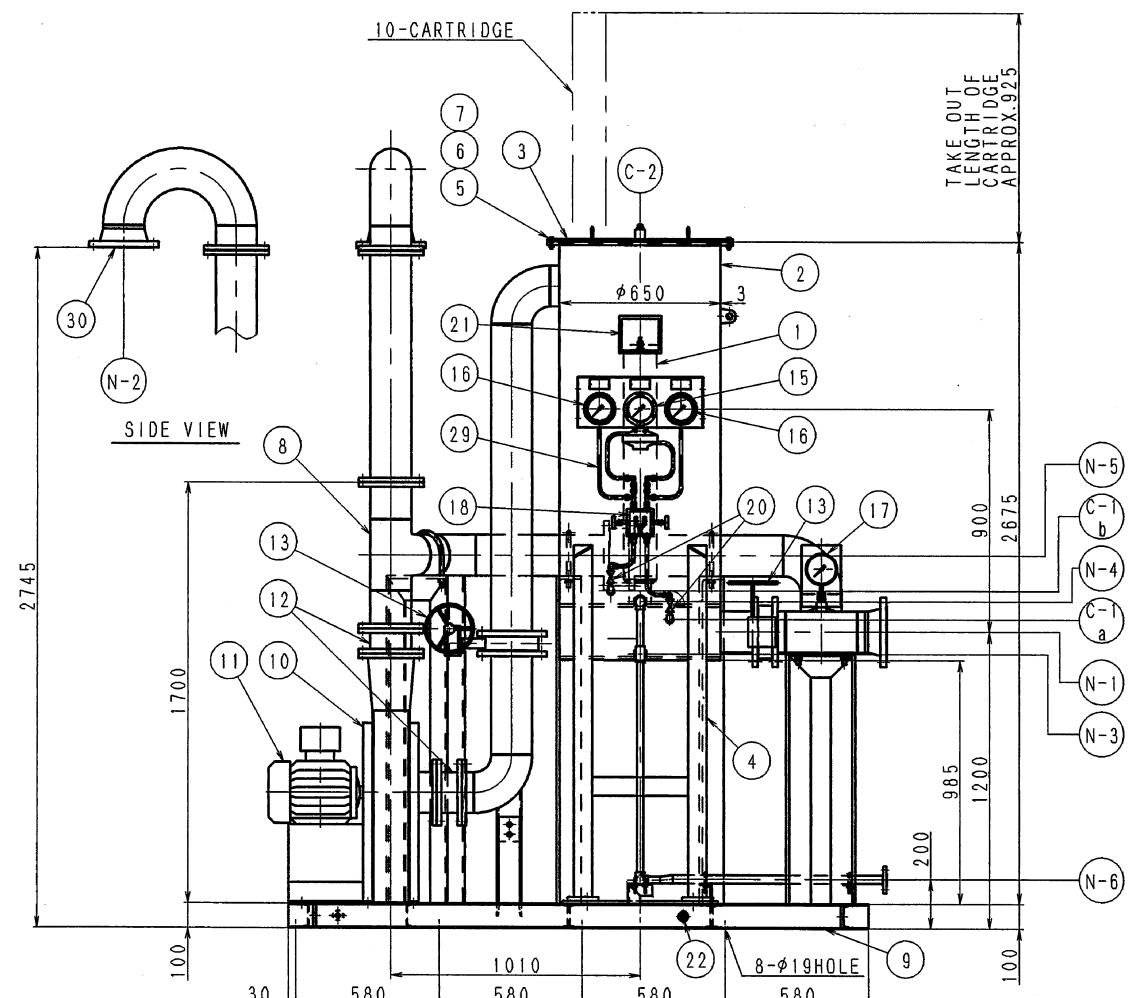


DESIGN DATA		
DESIGN CODE	---	
STANDARD	WAKO-STD.	
FLUID	AIR+OIL MIST (ISO VG32)	
FLOW RATE	540	m ³ /h
OPERATING PRESS.	4.19	kPaG
OPERATING TEMP.	80	°C
DESIGN PRESS.	-5~10	kPaG
DESIGN TEMP.	80	°C
HYDRO. TEST PRESS.	15	kPaG
PNEUM. TEST PRESS.	11	kPaG
PWHT	NO	
RADIOGRAPHIC EXAM.	NO	
JOINT EFFICIENCY	-	
CORROSION ALLOW.	0	mm
INTERNAL COATING	ACID PICKLING	
EXTERNAL PAINT.	ACID PICKLING	
INSULATION	NO	
FIRE PROOFING	NO	
VOLUME	0.56	m ³
EMPTY WEIGHT	18000	N
OPE. WEIGHT	18000	N
FULL OF WATER WEIGHT	23500	N

	C-2	VENT	CLASS#3000	3/4"	1	SUS304L	Rc3/4
	C-1ab	PRESS. GAUGE	CLASS#3000	1/4"	2	---	Rc1/4
L016	N-6	DRAIN	ASME #150 SO. RF	1"	1	SUSF304L	X
	N-5	BYPASS	---	6"	1	---	
	N-4	DRAIN	---	3/4"	1	---	R3/4
	N-3	DRAIN	---	3/4"	1	---	R3/4
L014	N-2	OUTLET	ASME #150 WN. RF	6"	1	SUSF304L	X
L015	N-1	INLET	ASME #150 WN. RF	6"	1	SUSF304L	X
HITACHI SW.	SYM.	SERVICE	RATING	SIZE	QTY.	MATERIAL	REMARKS

NOTE

- . BOLT HOLES IN FLANGES SHALL BE STRADDLE THE CENTER LINE OF THE VESSEL.
- . GASKET CONTACT SURFACE OF NOZZLE FLANGES SHOW TO XMARK SHALL HAVE A SERRATED FINISH IN ACCORDANCE WITH ASME B 16.5 (SPIRAL).
- . GROUND EARTH IS ATTACHED TO THE M10 STUD BOLT SCREWED TO THE EARTH LUG AND IS TIGHTENED WITH NUTS.
(SCOPE OF ATTACHING GROUND CABLE IS CUSTOMER'S.)



SYN.	PART NO.	HITACHI TAG NO.	PART NAME	QTY.	MATERIAL	REMARKS
30			BIRD SCREEN	1	SUS304	1MESH φ1.6
29	-		TUBING	1s	SUS316L	1/2"
28	L76-00790	-	ANCHOR BOLT	8	SS400	M16×125L
27	L76-00745	-	TAPE WASHER	8	SS400	M16 5°
26	S17-21110	-	SPRING WASHER	2	SUS304	M10
25	S16-23310	-	WASHER	4	SUS304	M10
24	L13-40213	-	HEX. NUT	4	SUS304	M10
23	L12-41003	-	STUD BOLT	2	SUS304	M10×50L
22	-		EARTH LUG	2	SUS304	φ40×30
21	M14-01907	-	NAME PLATE	1	SUS304	t0.8
20	L03-33058	-	BALL VALVE	2	SCS13A	Rc1/4
19	M14-01921	-	BALL VALVE	2	SCS13A	Rc3/4
18	M14-01919	-	5-VALVE MANIHOld	1	316 SS	
17	M14-01920	*MBV10CT502	THERMOMETER	1	SS316Ti	0~120°C
16	M14-01918	*MBV10CP504,505	LOW PRESS. GAUGE	2	SS316Ti	-0.1~0bar
15	M14-01917	*MBV10CP553	DIFF. PRESS. GAUGE	1	SS316Ti	0~0.1bar
14	M14-01916	-	BUTTERFLY CHECK VALVE	1	SCS13A	6"
13	M14-01915	-	BUTTERFLY VALVE	2	SCS13A	6"
12	M14-01914	-	EXPANSION	2	SUS304/VITON	6"×100L
11	M14-01912	*MBV10AN004-M01	MOTOR	1	-	400V×50Hz×5.5kW IP55
10	M14-01911	*MBV10AN004	BLOWER	1	-	540m³/h
9	-	-	SKID	1	SUS304	t100×50×5
8	-	-	PIPING	1s	SUS304LTP	6"
7	L76-00674	-	GASKET	1	NBR	t3
6	L13-00213	-	HEX. NUT	16	SS400	M10
5	L27-01307	-	HEX. BOLT	16	SS400	M10×40L
4	-	-	LEG	4s	SUS304	L75×75×9
3	-	-	COVER	1	SUS304L	t9
2		*MBV10AT005	SHELL	1	SUS304L	φ650×13
1	G00-22710		CARTRIDGE	10	-	KT-VSNH-20 φ135x915L

