



VENDOR DOCUMENT
EPC CPF PHASE 2



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
0	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

ENGINEERING SHEET

番 号
ES No.

LDE-XIBG-048 •

Rev. 3 •

頁
SHEET

1 / 2

納 先 PROJECT	SAMSUNG ENGINEERING CO., LTD. CENTRAL PROCESSING FACILITIES PHASE 2	訂正回数 REV. No.	日 付 DATE		
		1	2014-03-25		
品 名 EQUIPMENT	H-25 GAS TURBINE GENERATOR × 5	2	2015-10-19		
		3 •	T.S	T.Y	Y.Y
題 名 SUBJECT	Outline Drawing of Lube Oil Mist Separator Skid	4	2016-1-13 •		
		5	T.S	T.Y	Y.Y

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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 •

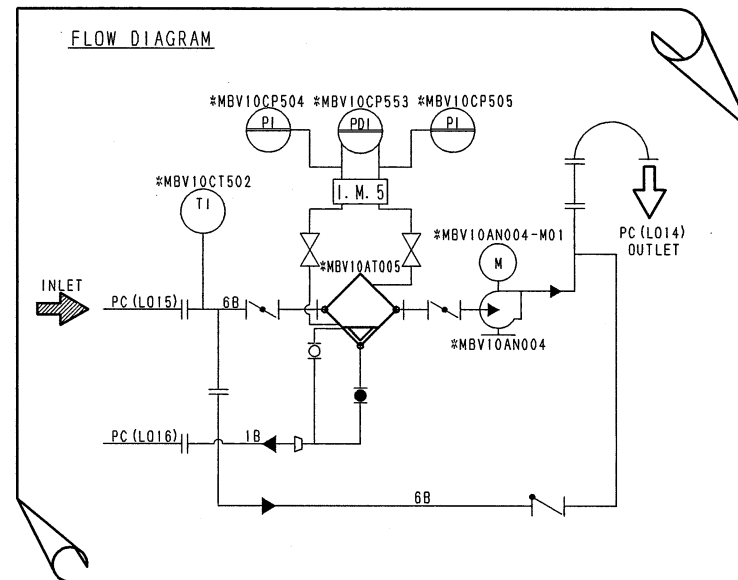
Hitachi Works

Final Drawing

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

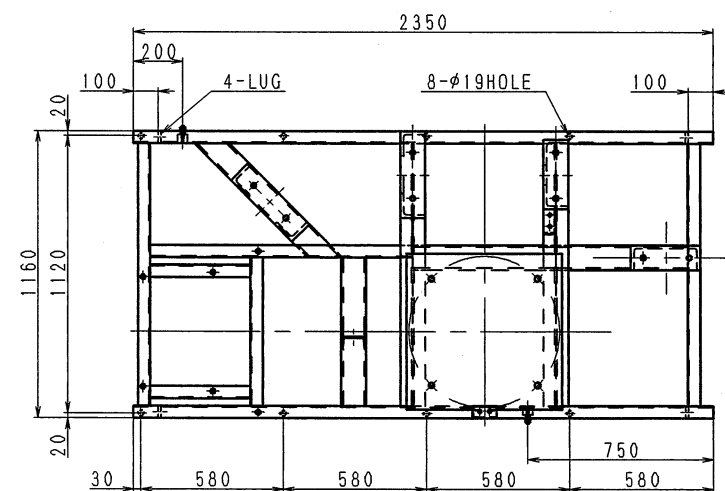
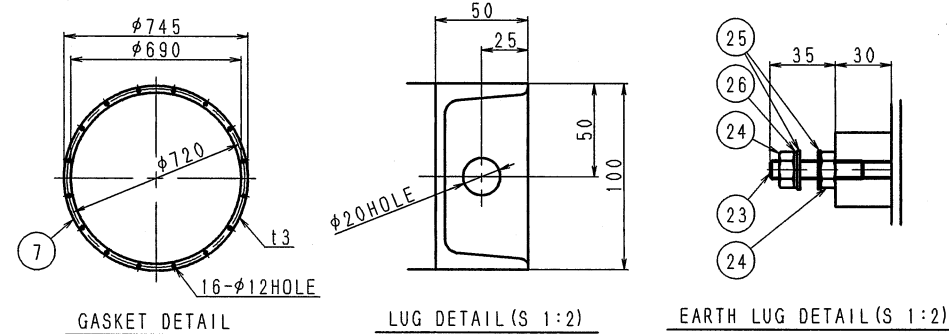
用 途 PURPOSE	発 行 先 DISTRIBUTION				担当部課 ISSUED BY	Gas Turbine Design Sec.
<input type="checkbox"/> 承 認 用 FOR APPROVAL	Customer	1	kakusetsu	1	作 成 日 DATE	2014-02-17
<input type="checkbox"/> 参 考 用 FOR INFORMATION	Ka-Psui / Hitachi	1	kapusetsu / Hitachi	1	担 当 PREPD.	S.Kurokawa
<input type="checkbox"/> 検 討 用 FOR REVIEW	Kakensetsu / Hitachi	1	kanai / Hitachi	1	審 査 CHKD.	T.Nemoto
<input type="checkbox"/> 参 照 用 FOR REFERENCE	kapukei / Hitachi	1				Y.Yoshinaka
<input checked="" type="checkbox"/> 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
LO16	N-6	DRAIN	ASME #150 SO. RF	1"	1	SUSF304L	※
	N-5	BYPASS	---	6"	1	---	
	N-4	DRAIN	---	3/4"	1	---	R3/4
	N-3	DRAIN	---	3/4"	1	---	R3/4
LO14	N-2	OUTLET	ASME #150 WN. RF	6"	1	SUSF304L	※
LO15	N-1	INLET	ASME #150 WN. RF	6"	1	SUSF304L	※
BITACHI SYN.	SYN.	SERVICE		RATING	SIZE	QTY.	MATERIAL
NOZZLE LIST							



1. BOLT HOLES IN FLANGES SHALL BE STRADDLE THE CENTER LINE OF THE VESSEL.
2. GASKET CONTACT SURFACE OF NOZZLE FLANGES SHOW TO MARK SHALL HAVE A SERRATED FINISH IN ACCORDANCE WITH ASME B 16.5 (SPIRAL).
3. 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.)

[illegible]

WAKO FILTER TECHNOLOGY Co., Ltd.