



PETROCHINA HALFAYA

EPCCOM FOR GAS PROCESSING PLANT



DETAIL DESIGN

DOC. NO.: HFY-3800-1600-VED-165-QC-PD-0004

REV.: C

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HFY-CON/F&C0940-0964

VENDOR NAME: LESER GMBH & Co. KG

PO NO: IQP-3020-IN-165

PO TITLE: Supply of PSV and TSV

SSC Procedures for PSV & TSV

PetroChina Halfaya		
Approval Code	<input checked="" type="checkbox"/> Here	Remarks
Code A		Approved.
Code B		Revise & resubmit. Work may proceed subject to the incorporation of changes indicated.
Code C		Rejected. To be revised & resubmitted. Work may not proceed.
Code D		Reference and information only.
An Jiangwei		9 June, 2021
Approval Authority	Signature	Date
Any comments made do not relieve the contractor/ vendor and/ or their sub-contractors of their responsibilities to meet the requirements of the Contract.		

C	ISSUED FOR INFORMATION	18 May 2021	Julia Herber	Angela Ulrich	Jörn Lubosch	Dirk Heine
B	ISSUED FOR INFORMATION	08 April 2021	Julia Herber	Angela Ulrich	Jörn Lubosch	Dirk Heine
A	ISSUED FOR INFORMATION	08 March 2021	Julia Herber	Angela Ulrich	Jörn Lubosch	Dirk Heine
REV.	DESCRIPTION	DATE	PREP'D	CHK'D	REV'D	APP'D



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HALFAYA GAS PROCESSING PLANT		
<input checked="" type="checkbox"/> A	Approved	
<input type="checkbox"/> B	With Minor Comments. Revise and Resubmit. Works may Proceed	
<input type="checkbox"/> C	With Major Comments. Revise and Resubmit. Works may NOT Proceed.	
<input type="checkbox"/> D	Reference and information only	
Note: Authorization on to proceed does not release Vendor/Sub-contractor of their responsibility or liability under the contract		
ARC _____	CIV _____	
CP _____	ELE _____	
HVA _____	INT <i>[Signature]</i>	
PIP _____	PRO _____	
QC <i>[Signature]</i>	SAF _____	
STR _____	TEL _____	
MEC _____	MAT _____	
PROJECT MANAGER <i>[Signature]</i> DATE 24May'21		
CHINA PETROLEUM & ENGINEERING CONSTRUCTION CORPORATION (CPECC)		
PEG ENGINEERING & CONTRACTING DMCC (PEG)		

CPECC QAQC:
Approval Subject to closure of
PMC comments in CRS.

[Signatures]

REV.	DESCRIPTION	DATE	PREP'D	CHK'D	REV'D	APP'D
C	ISSUED FOR INFORMATION	18 May 2021	<i>Herber J</i> Julia Herber	<i>Ulrich</i> Angela Ulrich	<i>Jörn Lubosch</i> Jörn Lubosch	<i>Dirk Heine</i> Dirk Heine
B	ISSUED FOR INFORMATION	08 April 2021	Julia Herber	Angela Ulrich	Jörn Lubosch	Dirk Heine
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Quality Control Procedure

NACE TM0177-2016

Laboratory Testing of Metals for Resistance Sulfide Stress Cracking in H₂S Environments.

As per ASTM G39 - (Four Point Bend Specimen) & ANSI/NACE TM0177-2016

Client: M/s Anugraha Valve Castings Limited
Project Specific Addendum Sheet

Job Description:

PEG PO No.: PE19518-033

Project PO No.: IQP-3020-IN-165

Scope: Supply of PSV & TSV

PROJECT : EPCCOM FOR GAS PROCESSING PLANT

COMPANY : Petro China International Iraq FZE Iraq Branch

EPC CONTRACTOR : China Petroleum Engineering & Construction Corporation (CPECC)

SUB CONTRACTOR : PEG Engineering & Contracting DMCC

Reference Documents for compliance:

Purchase Order

HFY-3800-1600-VED-165-INT-DST-0001_Equipment & Instrument Data Sheet(s) For PSV & TSV

HFY-3800-1600-VED-165-INT-DWG-0001_General Arrangement Cross Sectional Drawings & complete Bill of Material For PSV & TSV

HFY-3800-1600-INT-MR-0007 _ MATERIAL REQUISITION FOR PSV & TSV

HFY-3800-1600-INT-DST-0025 Data sheet for PSV/TSV

HFY-3800-0000-PIP-DST-0003 Datasheet for Globe Valves

HFY-3800-0000-PIP-SPC-0004 Specification for Piping Materials

HFY-3800-0000-MAT-SPC-0006 Specification for Valve material in Sour Service

HFY-3800-0000-PIP-SPC-0005 Specification for valves

HFY-3800-0000-QC-PD-0008 Control of non -conforming product

NACE MR-0175/ ISO 15156

NACE TM 0177 (Test method - Laboratory testing of metals for resistance to Sulfide Stress Cracking in H₂S Environments).



ASTM-G39 (Preparation and use of Bent-Beam Stress-Corrosion test specimens).

Standard Test Method
Laboratory Testing of Metals for Resistance Sulfide Stress Cracking in H₂S Environments.

Procedure Scope:



This document describes the test procedure and acceptance criteria of material testing for SSC resistance (carbon steel and low alloy steel used in sour service) for PSV & TSV under the PO IQP-3020-IN-165 for CPECC Gas Processing Plant Halfaya. This test is applicable for the raw material used for pressure containing, tensile stressed and wet components such as body, bonnet and trims such as stem. Lab's standard test procedure Work Instruction No.QCP-TCR-02 is attached herewith for testing details.

 Manoj Singh PREPARED BY		 Mukesh Kumar APPROVED BY
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