



## PROJECT

### Standby SRU & Additional Tanks

IOCL - Paradip Refinery

CLIENT

INDIAN OIL CORPORATION LIMITED

DATA SHEET	Project NO.	Document No.	Rev. No.	Page
DATA SHEET	080557C001	080557C-090-SP-0810-008	В	1 of 4

## **DATA SHEET**

**TGTU (090)** 

## **FUEL GAS KO DRUM**

090-V-008

В	7-May-2020	ISSUED FOR DESIGN	KSK	KH	MSS	JMC
Α	29-Nov-2019	ISSUED FOR DESIGN	KSK	KH	MSS	JMC
REV.	DATE	DESCRIPTION	PREPARED	CHECKED	APPROVED	AUTHORIZED





# PROJECT Standby SRU & Additional Tanks IOCL- Paradip Refinery

CLIENT INDIAN OIL CORPORATION LIMITED

Page

2 of 4

**DATA SHEET** 

Project No. 080557C001

Document No.	Rev. No.
080557C-090-SP-0810-008	В

The following notes to be considered for:

PDRP42208100-CE-089-0281 (**090-V-008** : Equipment Datasheet for Fuel Gas KO Drum)

### **General Notes**

- 1. Information shown below supersedes the information indicated in the following pages.
- 2. This document shall be read along with IOCL Specifications, Technip Specifications & FWEL Specifications.
- 3. Wherever "IOCL" is mentioned inside FWEL document, the same shall be read as PMC.
- 4. Wherever "Vendor" is mentioned, same shall be read as CONTRACTOR & VENDOR.
- 5. All dimensions in mm unless specified otherwise.
- 6. All thicknesses specified on the drawing / sketch are minimum after forming and machining. The LSTK contractor / Detail Engineering Contractor (DEC) shall be responsible for detail design.
- 7. All Nozzle sizes, Projections, Elevations, Locations are preliminary and to be finalized during detail design.
- 8. Flange ratings shall also be checked for impact due to loads from connected piping & shall be increased, if required. See code requirements.
- 9. All removable Internals shall be designed to pass through Manhole.
- 10. All carbon steel material shall be in killed quality.
- 11. SS316 spiral wound gasket with graphite filler, SS316 inner ring & CS outer ring shall be used as gasket material.
- 12. Local load analysis for process nozzles shall be carried out as per WRC 107 / 297 or FEA.
- 13. Skirt Height and Anchorage are preliminary. 4.6 type anchor bolt considered. To be finalized by DEC.
- 14. For Additional Technical Requirements, refer other specifications in ITB.

### Specific Notes for 090-V-008

- 15. Quantity: ONE.
- 16. Refer Painting specification for details of surface preparation and Painting.
- 17. Nozzle Flange Type: WN-RF
- 18. Body Flange for Vessel: If standard flange is used as body flange, Minimum 300# shall be followed. Also Body flange thk shall be verified as per ASME Sec VIII, Div-1, Appendix-2 and if required, thickness to be increased.
- 19. Body Flange Gasket: SS 316 Kamprofile gasket with Graphite layers. Min. width of Gasket shall be 15 mm.
- 20. All Pressure part and non-pressure part material shall be as per ASME. ASTM material is not to be used. Wherever ASTM is specified in this document, the same to be read as ASME.
- 21. Nozzle reinforcement : All nozzle openings shall be completely reinforced including those openings in skirt.

TECHNIPFMC DOC. NO: 080557C-090-SP-0810-008

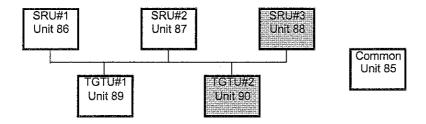
REV. NO PAGE NO. : B :3/4

PDRP42208100-CE-089-0281

FOSTER WHEELER ENERGY LIMITED			PROCESS SPECIFICATION				
CUSTOMERS NAME: Indian Oil Corporation Ltd (IOCL)			PROJECT No:		<del>1-14-4200</del>		
LOCATION: Paradip, Orissa State, India		UNIT No:		TGTU#1 UNIT : <del>89</del> - 090			
SERVICE: FUEL GAS KO DRUM		ITEM No:	090-V-008	No. REQD:	1		
				DOCUMENT CA	TCLASS 1		
REV	O1	F1		DOCUMENT No.	. PDRP4220-8110-PS-089-001		89-0015
DATE	13-Jul-09	02-Oct-09		SHEET	1 o	F 1	
ORIG. BY	SMR	DJL IJL		DOCUMENT SE	QUENCE No.	<del>- 177</del>	73_
APP. BY	SRB	SMR 5ML.					

### **GENERAL NOTES.**

G1. The Licensor Basic Design Package for the SRU/TGTU consists of 3 x 50% SRU trains and 2 x 100% TGTU trains. There being a single redundant SRU train and a single redundant TGTU train. However, at project sanction the redundant units (Units 88 & 90) were deferred as shown in grey below.



G2. The Basic Design Package (BDP) has been provided by a licensor (Black & Veatch). Bidders/vendors should not communicate with Black & Veatch directly with regard to this enquiry. Any questions or clarifications should be forwarded to Foster Wheeler Energy Ltd for resolution with the client IOCL. Note that there are specific instances where design details/specifications must be submitted to Black & Veatch for approval.

### NOTES SPECIFIC TO THE EQUIPMENT WITHIN THIS SPECIFICATION

Referring to the attached licensor engineering datasheet the following notes apply, taking precedence over notes stated in the Black and Veatch Specification Sheets

- 1. Reference to unit 090 shall be ignored
- 2. The quantity required is ONE
- 3. Nozzle N2 size is 200mm not 150mm.
- 4. See nozzle schedule for revisions to flange ratings and inclusions of PSV nozzle sizes.



SHEET

REV. NO : B PAGE NO. : 4/4

PDRP42208100-CE-089-0281

