

SSGC/LP/Ends/30/208/523

 SSGC	SUI SOUTHERN GAS COMPANY LIMITED TECHNICAL SPECIFICATIONS WELD NECK RAISED FACE FLANGES (2" to 12" SIZE) ANSI CLASS 300LB	Specification No. W.Flanges-002/14 Page 1 of 2
1. GENERAL REQUIREMENTS: This Specification covers the supply of Weld Neck Flanges, for above ground installations in natural gas Distribution pipelines, designed for a maximum operating pressure of 720 psig and a maximum operating temperature of 60 degree C. Design factor for flanges shall be 0.50. 2. SPECIFIC REQUIREMENTS: 2.1. Weld Neck: The flange shall be of weld neck type. 2.2. Pressure Rating: The flanges shall be of ANSI Class 300 lb. 2.3. Internal Diameter(I.D) Internal diameter of flanges shall be: 2" NB = 2.067", 4" NB = 4.026", 6" NB = 6.065", 8" NB = 7.981", 12" NB = 12.00" or as mentioned in the schedule of requirement. 2.4. Weld Ends: Suitable for welding with API 5L Grade B line pipes having standard thickness as per ANSI B 36.10 or as mentioned in the schedule of requirement. All finished ends of flanges shall be free from laminations or other defects and shall be inspected by ultrasonic method over a length of 25 mm (1") from the ends. 2.5. Dimensions & Tolerances: All dimensional standards and tolerances shall conform to ANSI B.16.5(latest edition) 2.6. Material: The flanges shall be forged from carbon steel (ASTM A-105). 2.7. Raised Face: Flange shall have 1/16" raised face. The raised face surface shall be free of cuts, dents etc. 2.8. Marking: Material and pressure rating should be die-stamped on the flange. 2.9. Finish: Flange shall be coated with rust inhabiting paints.		
Prepared By:  ALTAF SOOMRO Sr. Engineer (Construction) Central Region Sui Southern Gas Company Ltd. Karachi	Checked By:  SALAHUDDIN AHMED Asst. EGM (Dist.) Sui Southern Gas Co. Ltd. Distribution-Central Karachi	Verified By:  SAEED AHMED LARIK General Manager (D) Central Sui Southern Gas Co. Ltd. Revision No. 05 Date: November, 2014



SUI SOUTHERN GAS COMPANY LIMITED
TECHNICAL SPECIFICATIONS
WELD NECK RAISED FACE FLANGES
(2" to 12" SIZE) ANSI CLASS 300LB

Specification No.
W Flanges-002/14
Page 2 of 2

2.10. Test Certificate:

The supplier shall submit six certified copies of inspection and testing certificates pertaining to physical properties and chemical composition/properties to the purchaser. Each certificate shall show the results of tests made under this specification (such as yield strength, ultimate tensile strength, elongation, toughness, correct dimensions and chemical composition), date of inspection and the purchase order number.

3. MANDATORY REQUIREMENTS:

3.1. Printed Literature:

Original printed technical literature/ catalogue of the manufacturer must accompany the bid showing technical details of all the quoted items.

3.2. Warranty / Authority:

Agents / Stockiest must provide authority and purchase record with source along with principals' warranty and all relevant necessary certifications and documentations.

3.3. Sales Track Record:

The bidder shall provide sales track record of the offered flanges for the last five (05) years to the renowned / multinational oil or gas companies. The detail should include purchase order number, size, material detail, pressure rating and e-mail address of the purchasing companies.

3.4. Quality Certificate:

The manufacturer shall provide documentation with the bidding documents for the in-house quality control program which is strictly adhered to for the products of all manufactured items. This program must adhere to an internationally accepted quality control standard such as ISO 9001 series or equivalent. Failure to provide certification of proof of compliance may result in rejection of the bid.

4. Inspection:

SSGC or its authorized inspector reserves the right to inspect the fittings at the manufacturer's premises / warehouse.

Prepared By: ALTAF SOOMRO Sr. Engineer Construction Central Region Sui Southern Gas Company Ltd. Karachi.	Checked By: SALAHUDDIN AHMED Act. DGM (Dist.) Sui Southern Gas Co. Ltd. Distribution Central Region	Verified By: SAEED AHMED LARI General Manager (D. Control) Sui Southern Gas Co. Ltd.	Revision No. 05 Date: November, 2014
 SHAKIL A. BOKHARI SGM (Dist.) South Sui Southern Gas Co. Ltd. SGM (Distribution) - South	 ABDUL MAJID MALIK SGM (Dist.) North Sui Southern Gas Co. Ltd. SGM (Distribution) - North		