

## **LINE PIPE 3/4"**

(ONLY FOR LOCAL MANUFACTURER HAVING VALID API & ISO9001 CERTIFICATIONS)  
(UNDER SINGLE STAGE ONE ENVELOPE BIDDING PROCEDURE)  
AS PER PPRA RULES 2004

**TENDER ENQUIRY NO:**  
**SSGC/LP/EPADS/PT/2096704**

Bid Closing date & time: 09-10-2025 at 1500 hrs

Bid Opening date & time: 09-10-2025 at 1530 hrs

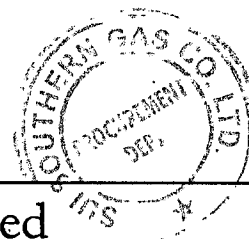
Supplier must be active in FBR Active Tax Payer List (ATL)  
Sealed quotation of above referred requirement to be submitted in PKR

### Venue:

Tender Room, CRD Building, Ground Floor  
SSGC Head office complex Karachi -75300  
Ph. +92-21-99021024, +92-21-99021173, +92-21-99021116.

**Earnest Money (Fixed Bid Bond): PKR 620,000/-**

"Note: Tender document is also available online on SSGC website for view only. Bidder is eligible to participate in bidding process only after purchasing the tender documents from Tender Room SSGC Head Office as per the procedure mentioned in the Press Publication / SSGC website. It is mandatory for bidders to attach original Token Slip in front of the Sealed Envelope (issued at the time of Purchasing) as an evidence that supplier has purchased the Tender documents. Further, any Corrigendum/Clarifications/Addendums/Extensions issued to be notified to only those bidders who have purchased Tender documents."



**Sui Southern Gas Company Limited**

**Procurement Department**

ST-4/B, Block-14, Sir Shah Suleman Road, Gulshan-e-Iqbal, Karachi-Pakistan

Phone: +92-21-99021223,

Fax: +92-21-99231583

[www.ssgc.com.pk/ssgc](http://www.ssgc.com.pk/ssgc)

# Sui Southern Gas Company Limited

## Schedule of Requirement & Bid Form

SECTION - 3

RFQ_Number		SSGC/LP/EPADS/PT/2096704		Open Bidding Date		16-SEP-25 11:45	
Document_Number		2096704		Close Bidding Date		09-OCT-25 15:00	

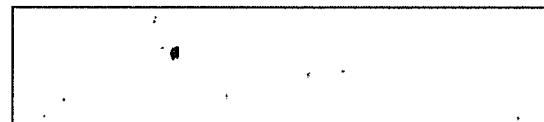
S#	Item_Code	Item Description	Unit	Quantity	Make / Brand	Unit Price inclusive of all discount (if any) & Exclusive of GST	Value PKR
1	2	3	4	5		6	7 = 5 x 6
1	01013063	LINE PIPE [LINE PIPE BARE 3/4" NB x 0.113" API 5L GRADE 'B' PSL-1, WT. BEVELLED ENDS SMALL DIAMETER (AS PER SPECS. LPI-SPE-GE-0001 REV.00)]	Metre	210000			

Total Fix Bid Bond Amount PKR: 620,000

### NOTE:

1. The quoted unit price and corresponding total amount shall be inclusive of all duties and taxes and discount (if any) except General Sales Tax. (GST). Sales Tax will be applicable as per GST act and subsequent amendments of time to time. GST will be reimbursed to manufacturer and importers only subject to production of paid invoice.
2. Bidders are essentially required to quote on bid form. Rates quoted on other than bid form will not be entertained.
3. Any queries / complaints regarding subject tender enquiry shall be addressed to GM(P) / DGM(P) in writing.
4. EVALUATION CRITERIA : Order will be placed on the Lowest Technically / Commercially Compliant bidder (s), unless specified otherwise.
5. In case when bidder submit alternate bids, a separate Bid Bond for each bid is required. All the bidders are advised to furnish fixed bid security amount appearing in price schedule/BOQ otherwise bid will be liable for rejection.  
The submission of fixed amount of bid security is also mandatory for all the bids valuing RS.500,000/- or less.
6. Any Bidder who change/amend the BOQ or Price Schedule (Description, Quantity, UOM etc.) will render the bid as conditional bid and will be liable for rejection.
7. Bid bond submission (2%) of the bid amount as mentioned in the clause 9 of General Terms & Conditions, to be treated as null & void, however, other contents of clause 9 will remain unchanged.
8. All offers shall remain valid up to 120 days from the date of opening of bids and bid bond shall remain valid for 150 days.
9. Special terms & conditions and warranty guaranty attached at annexure 01.

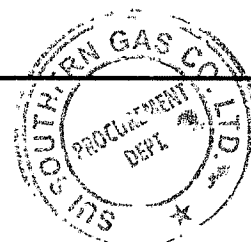
Signature : \_\_\_\_\_  
 Person Name : \_\_\_\_\_  
 Company's Name : \_\_\_\_\_  
 Date : \_\_\_\_\_



STAMP

End of page, any entry beyond this line would be invalid

Evaluation Criteria and Special Terms and Conditions attached at Annexure: A



## SUI SOUTHERN GAS COMPANY LIMITED

**SPECIAL TERMS & CONDITIONS**  
**TENDER ENQUIRY NO. SSGC / LP / EPADS / PT / 2096704**  
**PROCUREMENT OF 3/4" LINE PIPE**

In case of conflict between Special Conditions and General Terms & Conditions, Special Conditions will supersede General Conditions and shall prevail.

**1 BID VALIDITY**

Offer shall remain valid up to 120 days from the date of opening of bids, until any further extension agreed by the bidder. All other requirement of clause 7 of the General Conditions shall remain unchanged.

**2****BIDDING PROCEDURE**

**TENDER ENQUIRY NO. SSGC / LP / EPADS / PT / 2096704**  
**Single Stage One Envelope Bidding Procedure**

**3****BID BOND VALIDITY**

In case of conflict between Special Conditions and General Terms & Conditions, Special Conditions will supersede General Conditions and shall prevail.

30 days beyond bid validity

**4****AWARD / EVALUATION CRITERIA:**

Evaluation of (bare) pipe will be carried out separately on the basis of:

- i. Delivered Cost i.e. including transportation loading & unloading.
- ii. Past Performance of the bidder.
- iii. For open competitive bidding if the most advantageous bidder is new local manufacturer, 10% trial order will be placed and remaining 90% order will be awarded to the next most advantageous bidder at their own quoted rates.

**5****DELIVERY SCHEDULE**

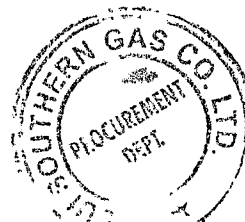
- i. Free delivery at designated location including transportation, unloading and stacking on wooden skids provided by the bidders.
- ii. Delivery to start from 20 days after the placement of Purchase Order @ 70,000 meters per month.  
Delay in delivery due to any reason (Curtailment of Gas, Electricity failure or any fuel crises) would be on account of the bidder except FORCE MAJEURE.

**6****DELIVERY LOCATION**

- i. Khadeji Stores.

**7****MARKING AND COATING**

Pipe supplies shall be new and unused, it shall not be mill coated or primed and it shall be free from dirt/soil, loose scale, grease & oil. Welded pipe shall be die stamped on the outer surface of each meter with the marking of "Manufacturer's name / SSGC / PO No. (Last digit)/ Year of manufacture"



**8 PAYMENT**

In case the payment is made through local letter of credit (L/C) inclusive of GST shall contains the following information i.e.

- I. Purchase order No. & date
- II. Items
- III. Quantity
- IV. Price
- V. Invoice value
- VI. Point of delivery
- VII. Delivery challan indicating delivery date, etc.
- VIII. Supplier(s) are required to submit signed and stamp acknowledgement slip, Sales Tax return, Annex "C" & Annex "I" (whichever applicable) in which Sales Tax (of relevant Sales Tax invoice) is paid.

Payment will be made within 30 days of completion of stated formalities.

- I. Purchase order No. & date
- II. Items
- III. Quantity
- IV. Price

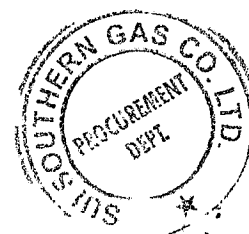
SIGNATURE OF BIDDER

NAME .....

NAME OF COMPANY.....

STAMP.....

DATE.....



**BREAKDOWN OF RATES OF LINE PIPE****Tender Enquiry No. SSGC/LP/EPADS/PT/2096704**

Item #		
Outside Diameter	mm	
	Inch	
Thickness	mm	
	Inch	
API 5L Grade		
Quantity	meters	
	MT	
Wpe	kg/m	
Sa	m <sup>2</sup> /m	

Sr. #	Description	Rate Rs. per Ton	Rate Rs. per Meter
1.	Cost of HR Coil		
2.	Wastage		
3.	Inward Freight		
4.	Conversion Cost		
5.	Sub Total Ex-works Cost		
6.	Transportation Cost of Bare Pipe		
7.	Total Cost including transportation at designated location.		
8.	Profit Margin		
9.	Selling Price		
10.	Manufacturing Capacity for subject diameter Per day / Per month		

Note: SSGC reserve the rights to adjust the price from above break-up in case any of item / services with drawn / not required for e.g. if SSGC required Ex-factory delivery, the cost of transportation of bare pipe would be adjusted without seeking any concurrence.

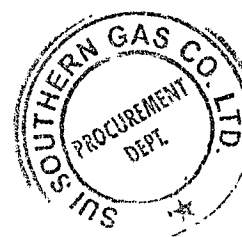
SIGNATURE OF BIDDER

NAME .....

NAME OF COMPANY.....

STAMP.....

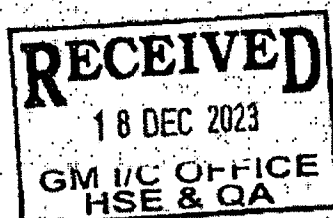
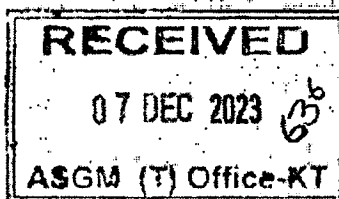
DATE.....





**SUI SOUTHERN GAS COMPANY LIMITED (SSGC)**

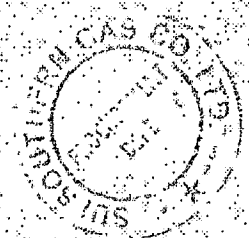
**TECHNICAL SPECIFICATION FOR  
LINE PIPE**





## TABLE OF CONTENTS

1	GENERAL	3
2	ABBREVIATIONS/SYMBOLS	4
3	CODES, REGULATIONS AND STANDARDS	6
4	GENERAL REQUIREMENTS	7
5	PROCESS OF PIPE MANUFACTURING	7
6	MATERIAL	14
7	DIMENSIONS, MASS & TOLERANCES	26
8	LINE PIPE FIELD WELDABILITY	29
9	MARKING	29
10	TESTING AND INSPECTION	30
11	COATING	33
12	MANDATORY REQUIREMENTS	34
13	SALES TRACK RECORD	34
14	THIRD PARTY INSPECTION	35
15	IN-HOUSE QUALITY CONTROL	35
16	CERTIFICATES AND DOCUMENTS	36
17	RESERVATIONS	37
18	LOCATION	37
19	TRANSPORTATION	38



Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) – Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East West	A/SGM Transmission



## 1 GENERAL

### 1.1 Scope

The purpose of this specification is to describe the minimum functional and technical requirements for Bare Line Pipes suitable for natural gas transportation.

- 1.1.1 Line pipe shall meet the requirements of API specification 5L, except where this technical specification sets out more stringent or additional requirements.

### 1.2 Definitions

PURCHASER means OWNER and MANUFACTURER means CONTRACTOR/SUPPLIER/BIDDER. This definition shall apply throughout this specification.

### 1.3 Errors or Omissions

- 1.3.1 The review and comment by the Owner on any manufacturer's or its manufacturer's drawings, procedures or documents shall only indicate acceptance of general requirements and shall not relieve the Manufacturer of its obligations to comply with the requirements of this specification and other related parts of the contract documents.

- 1.3.2 Any errors or omissions noted by the manufacturer in this Specification shall be immediately brought to the attention of the Owner.

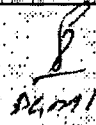
### 1.4 Deviations

All deviations to this Specification, other specifications or attachments shall be brought to the knowledge of the owner in the bid. All deviations made during the procurement, design, manufacturing, testing and inspection shall be with written approval of the owner prior to execution of the work. Such deviations shall be shown in the documentation prepared by the manufacturer.

### 1.5 Conflicting Requirements

- 1.5.1 In the event of conflict, inconsistency or ambiguity between the contract scopes of work, this Specification, National Codes & Standards referenced in this Specification or any other documents, the manufacturer shall refer to the Purchaser whose decision shall prevail.

- 1.5.2 Some requirements in this specification may be modified by specific requirements in the Purchase Specification. In case of conflict, the specific requirements supersede this specification.

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



**1.6 Reporting Procedure**

1.6.1 A reporting and documentation system shall be agreed between the Purchaser and the manufacturer for the status of procurement, manufacturing, inspection, testing and shipment of the equipment/material to be supplied under this specification.

1.6.2 Manufacturer shall provide all reports and summaries for production performance and testing operations in conformance with a manufacturing schedule approved by Purchaser.

1.6.3 Daily, weekly and monthly run summaries of all major aspects of the production process shall be provided as reports to the Purchaser.

1.6.4 All such reports shall include the following:

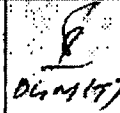
- Record of production material
- Material type, name and composition
- Pipe produced/pipe accepted
- Average length
- Coil number/heat number list
- Record of pipe dispatched
- Total quantity produced
- Laboratory test results

1.6.5 Further, all production and testing records shall be made available for inspection by the Owner at any time upon request.

**2 ABBREVIATIONS/SYMBOLS**

For the purpose of this document, the words and expressions listed below shall have the meanings assigned to them as follows:

ABBREVIATION	NAME
ANSI	American National Standard Institute
API	American Petroleum Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society of Testing and Materials

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



ABBREVIATION	NAME
AWS	American Welding Society
°C	Celsius (Degree)
DIN	Deutsches Institute für Normung, meaning "German Institute for standardisation".
DWT	Drop Weight Tear Test
EN	European Standard
ERW	Electric Resistance Welded
°F	Fahrenheit (Degree)
Gr.	Grade
HFW	High Frequency Welded
ISO	International Organization for Standardization
Max	Maximum
Mn	Manganese
Mo	Molybdenum
MTC	Material Test Certificate
OD	Outside Diameter
PE Coating	Polyethylene Coating
PQT	Procedure Qualification Test
PSL	Product Specification Level
QA/QC	Quality Assurance/Quality Control
RT	Radiographic Testing

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) – Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



ABBREVIATION	NAME
SAW	Submerged Arc Welding
SAWH	Submerged Arc Welding Helical
SAWL	Submerged Arc Welding Longitudinal
SMLS	Seamless
SMYS	Specified Minimum Yield Strength
SOR	Schedule of Requirement
STD	Standard
UV	Ultra Violet
UT	Ultrasonic Testing

### 3 CODES, REGULATIONS AND STANDARDS

3.1 All line pipe supplied shall meet the requirements of API Specification 5L as amended or supplemented by this Specification, codes, Standards and Specifications of this Clause and any additional requirements as may be stated on the accompanying purchase order.

- ANSI B31.8: Gas Transportation Piping System
- API SPEC. 5L: Specification for Line Pipe (forty-sixth edition, 2018)
- API STD 1104: Standard for Welding Pipelines & Related Facilities
- ISO 9000/9001/9002: Quality Systems
- API RP 5L5: Recommended Practice for Marine transportation of line pipe
- API RP 5LW: Recommended Practice for Transportation of Line Pipe on Barges & Marine Vessels
- ASTM A370: Mechanical Testing of Steel Products
- ASNT-SNT-TC-1A: Personnel qualification and certification in non-destructive testing.
- ASTM A751: Standard Test Methods for Chemical Analysis of Steel Products
- API 5L 1: Recommended practice for Rail Road Transportation of Line Pipe.

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) – Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

- API 5LT: Recommended practice for truck transportation of Line Pipe.
- ASME SEC V: Non Destructive Examination

#### 4 GENERAL REQUIREMENTS

- 4.1 All inspection and certification may be undertaken by a third party certification body approved by the Owner. In addition, the Owner may appoint its representative or a third party inspector for certification, inspections and tests which will be carried out by manufacturer during the production of line pipe. Owner shall also require 3rd party Inspection Certification for the steel which will be used for the manufacturing of pipe.
- 4.2 Satisfactory test results of the material, conducted prior to the manufacturing, shall govern the manufacturing of the pipes. In case of 3 continuous unsatisfactory test results or non-compliance of the agreed production process, purchaser may ask the manufacturer to stop the production and proceed with additional heat analysis, ultrasonic tests and inspections. The production may continue after the satisfactory results.
- 4.3 The Supplier shall submit six copies of inspection and MTC to the Purchaser after placement of order and before manufacturing process. The Purchaser has right to reject the consignment if bidder has failed to provide MTC.
- 4.4 Pipe Supplier/Manufacturer shall provide details for the source of steel (raw material) manufacturer along with their MTC and quality certificates such as ISO 9001, etc.
- 4.5 Manufacturer shall submit Manufacturer Procedure Specification (MPS) and Inspection Testing Plan (ITP) sample document along with BID. Further, approved MPS & ITP will submit prior to start of production of pipe for SSGC's review and approval.
- 4.6 The pipe supplied by the manufacturer shall be non-expanded type.

#### 5 PROCESS OF PIPE MANUFACTURING

##### 5.1 Process of Manufacture

The process of Pipe manufacturing shall be either seamless, submerged arc welded (SAW) or electric resistance welded (ERW) or high frequency electric induction welded (HFEIW) as mentioned in the schedule of requirement.

##### 5.1.1 Manufacturing Procedure Specification (MPS)

The manufacturer shall submit a written manufacturing procedure to the Owner at least two (02) weeks prior to the commencement of production. Production shall not

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission





commence before the Owner has reviewed and noted the Manufacturing procedure. The manufacturing procedure shall include the following information:

- 5.1.1.1 Manufacturer shall also provide details of manufacturing type of pipe (either it is ERW, SAWL and SAWH).
- 5.1.1.2 Details of steel making process including source of steel, proposed steel composition, and steel making quality control.
- 5.1.1.3 Details of plate, coil or strip preparation including edge trim and shape.
- 5.1.1.4 Location and details of welding equipment including post weld heat treatment.
- 5.1.1.5 Details of welding procedure, including WPS and PQR, and qualification tests.
- 5.1.1.6 The number, type and location of non-destructive testing units. Detailed information shall be provided by manufacturer to explain the structure and performance of the equipment to be used to inspect the weld seam fully after hydrostatic test. Information shall include calibration methods, reference Standards, calibration frequency and speed. Attention shall be given to standards that apply to manual ultrasonic inspection for production or automatic indication evaluation.
- 5.1.1.7 Details of hydrostatic test including calibration of test gauges and recorders.
- 5.1.1.8 Bidder/Manufacturer shall confirm daily production mill capacity (tonnage).
- 5.1.1.9 A flow schematic of the mill production and inspection systems, along with a description of pipe tracking and identification, shall be provided. Details of the methods used to ensure that correctly matching pipe documentation is available at the final inspection bench prior to pipe inspection should also be included.
- 5.1.1.10 Details of handling and loading both within the manufacturing area and for shipment to delivery location.
- 5.1.1.11 Any change in the approved MPS whether a change in steel chemistry, steel making, steel rolling and coiling, pipe forming, welding, testing or inspection shall be reported immediately to the Purchaser. The need for change and re-qualification of the MPS shall be reviewed and subject to approval by the Purchaser.

#### 5.1.2 Manufacturing Procedure Qualification (MPQ)

A pipe shall be selected by the Owner's Representative/Third Party from the first lot of pipe for each grade, diameter and wall thickness of pipe produced to perform the Manufacturing Procedure Qualification (MPQ) tests. The selected pipe shall be evaluated by all tests and inspections required by this specification and with the additional tests defined below:

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



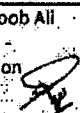


## 5.1.2.1 Visual inspection and checking of dimensions.

## 5.1.2.2 PSL 1 Required Test

Table 1 - Inspection Frequency for PSL 1 Pipe

No	Type of Inspection	Type of Pipe	Frequency of Inspection <sup>e</sup>
1	Heat analysis	All pipe	One analysis per heat of steel
2	Product analysis	SMLS, CW, LFW, HFW, LW, SAW, or COW	Two analyses per heat of steel (taken from separate product items)
3	Tensile testing of the pipe body of welded pipe with $D \leq 48.3$ mm (1.900 in.), in Grade L175 or A25	CW, LFW, or HFW	Once per test unit <sup>e</sup> of not more than 25 tonnes (28 tons) of pipe
4	Tensile testing of the pipe body of welded pipe with $D \leq 48.3$ mm (1.900 in.), in Grade L175P or A25P	CW	Once per test unit <sup>e</sup> of not more than 25 tonnes (28 tons) of pipe
5	Tensile testing of the pipe body of welded pipe with $D > 48.3$ mm (1.900 in.), in Grade L175 or A25	CW, LFW, or HFW	Once per test unit of not more than 50 tonnes (55 tons) of pipe
6	Tensile testing of the pipe body of welded pipe with $D > 48.3$ mm (1.900 in.), in Grade L175P or A25P	CW	Once per test unit of not more than 50 tonnes (55 tons) of pipe
7	Tensile testing of the pipe body of seamless pipe	SMLS	Once per test unit of pipe with the same cold-expansion ratio <sup>a</sup>
8	Tensile testing of the pipe body of welded pipe in grades higher than Grade L175 or A25	LFW, HFW, LW, SAW, or COW	Once per test unit of pipe with the same cold-expansion ratio <sup>a</sup>
9	Tensile testing of the longitudinal or helical seam weld of welded pipe with $D \geq 219.1$ mm (8.625 in.)	LFW, HFW, LW, SAW, or COW	Once per test unit of pipe with the same cold-expansion ratio <sup>a, b, c</sup>
10	Tensile testing of the coil/plate end weld of welded pipe with $D \geq 219.1$ mm (8.625 in.)	SAWH or COWH	At least once per 50 coil/plate end welds from pipe with the same cold-expansion ratio <sup>a, c, d, h</sup>
11	Bend testing of the longitudinal seam weld of welded pipe with $D \leq 48.3$ mm (1.900 in.), in Grade L175, L175P, A25, or A25P	CW, LFW, or HFW	Once per test unit of not more than 25 tonnes (28 tons) of pipe
12	Bend testing of the longitudinal seam weld of welded pipe with $48.3$ mm (1.900 in.) $< D \leq 60.3$ mm (2.375 in.), in Grade L175, L175P, A25, or A25P	CW, LFW, or HFW	Once per test unit of not more than 50 tonnes (55 tons) of pipe
13	Guided-bend testing of the longitudinal or helical seam weld of welded pipe	SAW or COW	Once per test unit of not more than 50 lengths of pipe of the same grade
14	Guided-bend testing of the coil/plate end weld of welded pipe	SAWH or COWH	At least once per 50 coil/plate end welds from pipe with the same cold expansion ratio <sup>a, c, d</sup>
15	Guided-bend testing of the longitudinal seam weld of welded pipe with $D \geq 219.1$ mm (8.625 in.)	LW	Once per test unit of not more than 50 lengths of pipe of the same grade

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	 DGM (T)
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



# Technical Specification for Line Pipe

Spec. No. LPL-SPE-GE-0001 Rev. 00

No	Type of Inspection	Type of Pipe	Frequency of Inspection <sup>a</sup>
16	Flattening test of welded pipe	CW, LFW, HFW OR LW	As shown in Figure 6.
17	Hardness testing of hard spots in cold-formed welded pipe	LFW, HFW, LW, SAW, or COW	Any hard spot exceeding 50 mm (2.0 in.) in any direction
18	Hydrostatic testing	SMLS, CW, LFW, HFW, LW, SAW, or COW	Each pipe
19	Macrographic testing of the longitudinal or helical seam weld of welded pipe	SAW or COW	At least once per operating shift plus whenever any change of pipe size occurs during the operating shift; or, if 10.2.5.2 applies, at the beginning of the production of each combination of specified outside diameter and specified wall thickness
20	Metallographic testing of the longitudinal seam weld of welded pipe	LFW or HFW excluding full-body normalized pipe	At least once per operating shift plus whenever changes of grade, specified outside diameter or specified wall thickness are made; plus whenever excursions from operating heat treatment conditions are encountered
21	Visual inspection	SMLS, CW, LFW, HFW, LW, SAW, or COW	Each pipe, except as allowed by 10.2.7.2
22	Pipe diameter and out-of-roundness	SMLS, CW, LFW, HFW, LW, SAW, or COW	At least once per 4 h per operating shift plus whenever any change of pipe size occurs during the operating shift
23	Wall thickness measurement	All pipe	Each pipe (see 10.2.8.5)
24	Other dimensional testing	SMLS, CW, LFW, HFW, LW, SAW, or COW	Random testing, with the details left to the discretion of the manufacturer
25	Weighing of pipe with $D < 141.3$ mm (5.563 in.)	SMLS, CW, LFW, HFW, LW, SAW, or COW	Each pipe or each convenient group of pipe, with the choice being at the discretion of the manufacturer
26	Weighing of pipe with $D \geq 141.3$ mm (5.563 in.)	SMLS, CW, LFW, HFW, LW, SAW, or COW	Each pipe
27	Length	SMLS, CW, LFW, HFW, LW, SAW, or COW	Each length of pipe shall be measured, except that pipe made in lengths that are uniform within 30 mm (0.1 ft) need not be individually measured, provided the accuracy of the length is verified at least once per 4 h per operating shift
28	Nondestructive inspection	SMLS, CW, LFW, HFW, LW, SAW, or COW	In accordance with Annex E

<sup>a</sup> The cold-expansion ratio (if applicable) is designated by the manufacturer and is derived using the designated before-expansion outside diameter or circumference and the after-expansion outside diameter or circumference; an increase or decrease in the cold-expansion ratio of more than 0.002 requires the creation of a new test unit.

<sup>b</sup> For double-seam pipe, both longitudinal weld seams in the pipe selected to represent the test unit shall be tested.

<sup>c</sup> Pipe produced by each welding machine shall be tested at least once per week.

<sup>d</sup> Applies only to finished helical seam pipe containing coil/plate end welds.

<sup>e</sup> "Test unit" is as defined in 3.1.60.

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboub Ali (Manager) Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

## 5.1.2.3 PSL 2 Required Test

Table 2 - Inspection Frequency for PSL 2 Pipe

No	Type of Inspection	Type of Pipe	Frequency of Inspection <sup>a</sup>
1	Heat analysis	All pipe	One analysis per heat of steel
2	Product analysis	SMLS, HFW, SAW, or COW	Two analyses per heat of steel (taken from separate product items)
3	Tensile testing of the pipe body $D \leq 141.3 \text{ mm}$ (5.563 in.)	SMLS, HFW, SAW, or COW	Once per test unit of not more than 400 pipes with the same cold-expansion ratio <sup>a</sup>
4	Tensile testing of the pipe body $D > 141.3 \text{ mm}$ (5.563 in.) and $\leq 323.9 \text{ mm}$ (12.750 in.)	SMLS, HFW, SAW, or COW	Once per test unit of not more than 200 pipes with the same cold-expansion ratio <sup>a</sup>
5	Tensile testing of the pipe body $D > 323.9 \text{ mm}$ (12.750 in.)	SMLS, HFW, SAW, or COW	Once per test unit of not more than 100 pipes with the same cold-expansion ratio <sup>a</sup>
6	Tensile testing of the longitudinal or helical seam weld of welded pipe with $D \geq 219.1 \text{ mm}$ (8.625 in.) and $\leq 323.9 \text{ mm}$ (12.750 in.)	HFW, SAW, or COW	Once per test unit of not more than 200 pipes with the same cold-expansion ratio <sup>a,b,c</sup>
7	Tensile testing of the longitudinal or helical seam weld of welded pipe with $D > 323.9 \text{ mm}$ (12.750 in.)	HFW, SAW, or COW	Once per test unit of not more than 100 pipes with the same cold-expansion ratio <sup>a,b,c</sup>
8	Tensile testing of the coil/plate end weld of welded pipe with $D \geq 219.1 \text{ mm}$ (8.625 in.)	SAWH or COWH	At least once per 50 coil/plate end welds from pipe with the same cold-expansion ratio <sup>a,b,d</sup>
9	CVN impact testing of the pipe body of pipe with specified outside diameter and specified wall thickness as given in Table 22	SMLS, HFW, SAW, or COW	Once per test unit of pipe with the same cold-expansion ratio <sup>a</sup>
10	If agreed, CVN impact testing of the longitudinal seam weld of welded pipe with specified outside diameter and specified wall thickness as given in Table 22	HFW	Once per test unit of pipe with the same cold-expansion ratio <sup>a,b</sup>
11	CVN impact testing of the longitudinal or helical seam weld of welded pipe with specified outside diameter and specified wall thickness as given in Table 22	SAW or COW	Once per test unit of pipe with the same cold-expansion ratio <sup>a,b,c</sup>
12	CVN impact testing of the coil/plate end weld of welded pipe with specified outside diameter and specified wall thickness as given in Table 22	SAWH or COWH	At least once per 50 coil/plate end welds from pipe with the same cold-expansion ratio <sup>a,b,d</sup>
13	If agreed, DWT testing of the pipe body of welded pipe with $D \geq 508 \text{ mm}$ (20.000 in.)	HFW, SAW, or COW	Once per test unit of pipe with the same cold-expansion ratio <sup>a</sup>

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission





# Technical Specification for Line Pipe

Spec. No. LPI-SPE-GE-0001 Rev. 00

No.	Type of Inspection	Type of Pipe	Frequency of Inspection <sup>a</sup>
14	Guided-bend testing of the longitudinal or helical seam weld of welded pipe	SAW or COW	Once per test unit of not more than 50 lengths of pipe with the same cold-expansion ratio <sup>a</sup>
15	Guided-bend testing of the coil/plate end weld of welded pipe	SAWH or COWH	At least once per 50 coil/plate end welds from pipe with the same cold-expansion ratio <sup>a, b, d</sup>
16	Flattening test of welded pipe	HFW	As shown in Figure 6
17	Hardness testing of hard spots in cold-formed welded pipe	HFW, SAW, or COW	Any hard spot exceeding 50 mm (2.0 in.) in any direction
18	Hydrostatic testing	SMLS, HFW, SAW, or COW	Each pipe
19	Macrographic testing of the longitudinal or helical seam weld of welded pipe	SAW or COW	At least once per operating shift plus whenever any change of pipe size occurs during the operating shift; or, if 10.2.5.3 or 10.2.5.4 applies, at the beginning of the production of each combination of specified outside diameter and specified wall thickness
20	Metallographic testing (or optional hardness test in lieu of metallography) of the longitudinal seam weld of welded pipe	HFW excluding full-body normalized pipe	At least once per operating shift plus whenever changes of grade, specified outside diameter or specified wall thickness are made; plus whenever excursions from operating heat treatment conditions are encountered
21	Visual inspection	SMLS, HFW, SAW, or COW	Each pipe, except as allowed by 10.2.7.2
22	Pipe diameter and out-of-roundness	SMLS, HFW, SAW, or COW	At least once per 4 h per operating shift plus whenever any change of pipe size occurs during the operating shift
23	Wall thickness measurement	All pipe	Each pipe (see 10.2.8.5)
24	Other dimensional testing	SMLS, HFW, SAW, or COW	Random testing, with the details left to the discretion of the manufacturer
25	Weighing of pipe with $D < 141.3$ mm (5.563 in.)	SMLS, HFW, SAW, or COW	Each pipe or each convenient group of pipe, with the choice being at the discretion of the manufacturer
26	Weighing of pipe with $D \geq 141.3$ mm (5.563 in.)	SMLS, HFW, SAW, or COW	Each pipe
27	Length	SMLS, HFW, SAW, or COW	Each length of pipe shall be measured, except, that pipe made in lengths that are uniform within 30 mm (0.1 ft) need not be individually measured, provided the accuracy of the length is verified at least once per 4 h per operating shift
28	Nondestructive inspection	SMLS, HFW, SAW, or COW	In accordance with Annex E

<sup>a</sup> The cold-expansion ratio (if applicable) is designated by the manufacturer and is derived using the designated before-expansion outside diameter or circumference and the after-expansion outside diameter or circumference; an increase or decrease in the cold-expansion ratio of more than 0.002 requires the creation of a new test unit.

<sup>b</sup> Pipe produced by each welding machine shall be tested at least once per week.

<sup>c</sup> For double-seam pipe, both longitudinal weld seams in the pipe selected to represent the test unit shall be tested.

<sup>d</sup> Applies only to finished helical seam pipe containing coil/plate end welds.

<sup>e</sup> "Test unit" is as defined in 3.1.60.

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

**5.1.2.4 Guided bend tests on four (4) transverse weld specimens:**

- 2 root bends
- 2 face bends

**5.1.2.5 Guided bend tests shall be in accordance with the applicable paragraph of API 5L paragraph 10.2.4.6.****5.1.2.6 Macro-graphic examination of the weld on six (6) specimens. The examination shall demonstrate that proper fusion and heat treatment have been obtained through the full thickness of the weld zone.****5.1.2.7 Aging tests (strain aging tests) shall be performed on two longitudinal pipe metal samples as follows:****5.1.2.8 One sample shall be heated to 250°C for one hour without any pre-straining the other samples shall be cold strained (20°C) by uniform tension to a deformation of three percent and then heated to 250°C for one hour.****5.1.2.9 Transverse tensile tests (1 specimen) and Transverse Charpy impact tests (3 specimens) shall be machined from each for the aged samples and tested in accordance with section 10.2.3 of API 5L. The tensile tests and Charpy impact tests shall meet the minimum requirements of API 5L.****5.1.2.10 One longitudinal tensile test sample shall be taken approximately 90 degrees from the weld seam. The tensile test shall be conducted in accordance with section 10.2.3 of API 5L.****5.1.2.11 One longitudinal Charpy V-notch sample (three longitudinal specimens) shall be taken in the base metal approximately 90 degrees from the weld seam and tested in accordance with ASTM A370. Testing temperature shall be 0°C (32 ° F). The average energy value of three specimens shall not be less than 35 J/cm<sup>2</sup> with no single energy value less than 28 J/cm<sup>2</sup>. Test specimens shall be the largest possible Charpy specimen size which can be machined from the pipe wall thickness.****5.1.2.12 All costs associated with the MPS and MPQ will be at the manufacturer's expenses. Further refer chapter-8, Table-2 & Table-3 of API 5L for different process of manufacture and PSLs.**

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



## 6 MATERIAL

- 6.1 In addition to the terms of the API standard, the following shall be complied with:
- 6.1.1 Steel used in pipe manufacturing shall be deoxidized killed steel.
- 6.1.2 The steel shall have a perfect crystalline texture and shall be sound clear of impurities without any crack, lamination, blow hole or inclusion of foreign matter. The steel shall be of the highest quality especially regarding its resistance to aging.
- 6.1.3 The manufacturer will make sure that the plates contain no defect such as lamination, blowhole, score, scale, lack of material, crack, trace of tool, or other defects likely to cause breakage, corrosion or porosity of the pipe wall.
- 6.1.4 The quality of the plates shall be ultrasonically tested by the manufacturer at the plate ends for a 25 mm wide strip and for four (4) bands of 25 mm wide distributed over the full width of the plate, or an equivalent process, provided that a written authorization has been given by the Purchaser.
- 6.1.5 No laminations are permitted in the 25mm width along the coil edges.
- 6.1.6 One or more of the following conditions shall result in pipe length being rejected:
- 6.1.6.1 Surface of laminar imperfections exceeding 100 sq.cm.
- 6.1.6.2 More than five imperfections between 25 and 100 sq.cm found in the path of the longitudinal or traversal scanning.
- 6.1.6.3 The distance between two neighboring imperfections is less than three times the greatest length of the most important imperfection.
- 6.1.7 For other defects detected during ultrasonic examination, acceptability tolerances will be as per API referenced code.
- 6.1.8 Heat analysis/testing of the plate/coil shall be in accordance with API 5L and ASTM A370.
- 6.1.9 Tensile (Mechanical) Properties:  
Pipe furnished to this specification shall confirm to following yield strength and tensile requirement as per Table 6 and Table 7 of API 5L.
- 6.1.10 For material required grade, refer table 3 and table 4.

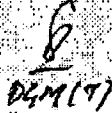
Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	 DGM (T)
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



Table 3 - Requirements for the Results of Tensile Tests for PSL 1 Pipe

Pipe Grade	Pipe Body of Seamless and Welded Pipe			Weld Seam of EW, LW, SAW, and COW Pipe
	Yield Strength <sup>a</sup>	Tensile Strength <sup>a</sup>	Elongation (on 50 mm or 2 in.)	Tensile Strength <sup>b</sup>
	$R_{eL}$	$R_m$	$A_1$	$R_m$
	MPa (psi) min	MPa (psi) min	% min	MPa (psi) min
L175 or A25	175 (25,400)	310 (45,000)	c	310 (45,000)
L175P or A25P	175 (25,400)	310 (45,000)	c	310 (45,000)
L210 or A	210 (30,500)	335 (48,600)	c	335 (48,600)
L245 or B	245 (35,500)	415 (60,200)	c	415 (60,200)
L290 or X42	290 (42,100)	415 (60,200)	c	415 (60,200)
L320 or X46	320 (46,400)	435 (63,100)	c	435 (63,100)
L360 or X52	360 (52,200)	460 (66,700)	c	460 (66,700)
L390 or X56	390 (56,600)	490 (71,100)	c	490 (71,100)
L415 or X60	415 (60,200)	520 (75,400)	c	520 (75,400)
L450 or X65	450 (65,300)	535 (77,600)	c	535 (77,600)
L485 or X70	485 (70,300)	570 (82,700)	c	570 (82,700)

<sup>a</sup> For intermediate grades, the difference between the specified minimum tensile strength and the specified minimum yield strength for the pipe body shall be as given in the table for the next higher grade.

<sup>b</sup> For intermediate grades, the specified minimum tensile strength for the weld seam shall be the same value as was determined for the pipe body using footnote a).

<sup>c</sup> The specified minimum elongation,  $A_1$ , expressed in percent and rounded to the nearest percent, shall be as determined using the following equation:

$$A_1 = C \frac{A_0^{0.2}}{U^{0.9}}$$

where

C is 1940 for calculations using SI units and 625,000 for calculations using USC units;

$A_0$  is the applicable tensile test piece cross-sectional area, expressed in square millimeters (square inches), as follows:

- for circular cross-section test pieces, 130 mm<sup>2</sup> (0.20 in.<sup>2</sup>) for 12.7 mm (0.500 in.) and 8.9 mm (0.350 in.) diameter test pieces; 65 mm<sup>2</sup> (0.10 in.<sup>2</sup>) for 6.4 mm (0.250 in.) diameter test pieces;
- for full-section test pieces, the lesser of a) 485 mm<sup>2</sup> (0.75 in.<sup>2</sup>) and b) the cross-sectional area of the test piece, derived using the specified outside diameter and the specified wall thickness of the pipe, rounded to the nearest 10 mm<sup>2</sup> (0.01 in.<sup>2</sup>);
- for strip test pieces, the lesser of a) 485 mm<sup>2</sup> (0.75 in.<sup>2</sup>) and b) the cross-sectional area of the test piece, derived using the specified width of the test piece and the specified wall thickness of the pipe, rounded to the nearest 10 mm<sup>2</sup> (0.01 in.<sup>2</sup>);

U is the specified minimum tensile strength, expressed in megapascals (pounds per square inch).

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



Table 4 - Requirements for the Results of Tensile Tests for PSL 2 Pipe

Pipe Grade	Pipe Body of Seamless and Welded Pipe						Weld Seam of HFW, SAW and COW Pipe	
	Yield Strength <sup>a</sup>		Tensile Strength <sup>a</sup>		Ratio <sup>a,c</sup>	Elongation (on 50 mm or 2 in.)  $A_5$ %		Tensile Strength <sup>d</sup>  $R_m$ MPa (psi)
	$R_{0.5}$ MPa (psi)		$R_m$ MPa (psi)					
	min	max	min	max				
L245R or BR L245N or BN L245Q or BQ L245M or BM	245 (35,500)	450 (65,300) *	415 (60,200)	655 (95,000)	0.93	f	415 (60,200)	
L290R or X42R L290N or X42N L290Q or X42Q L290M or X42M	290 (42,100)	495 (71,800)	415 (60,200)	655 (95,000)	0.93	f	415 (60,200)	
L320N or X46N L320Q or X46Q L320M or X46M	320 (46,400)	525 (76,100)	435 (63,100)	655 (95,000)	0.93	f	435 (63,100)	
L360N or X52N L360Q or X52Q L360M or X52M	360 (52,200)	530 (76,900)	460 (66,700)	760 (110,200)	0.93	f	460 (66,700)	
L390N or X56N L390Q or X56Q L390M or X56M	390 (56,600)	545 (79,000)	490 (71,100)	760 (110,200)	0.93	f	490 (71,100)	
L415N or X60N L415Q or X60Q L415M or X60M	415 (60,200) f	565 (81,900)	520 (75,400)	760 (110,200)	0.93	f	520 (75,400)	
L450Q or X65Q L450M or X65M	450 (65,300)	600 (87,000)	535 (77,600)	760 (110,200)	0.93	f	535 (77,600)	
L485Q or X70Q L485M or X70M	485 (70,300)	635 (92,100)	570 (82,700)	760 (110,200)	0.93	f	570 (82,700)	
L555Q or X80Q L555M or X80M	555 (80,500)	705 (102,300)	625 (90,600)	825 (119,700)	0.93	f	625 (90,600)	
L625M or X90M	625 (90,600)	775 (112,400)	695 (100,800)	915 (132,700)	0.97	f	695 (100,800)	
L625Q or X90Q	625 (90,600)	775 (112,400)	695 (100,800)	915 (132,700)	0.97 e	f	—	
L690M or X100M	690 (100,100) b	840 (121,800) b	760 (110,200)	990 (143,600)	0.97 h	f	760 (110,200)	
L690Q or X100Q	690 (100,100) b	840 (121,800) b	760 (110,200)	990 (143,600)	0.97 h	f	—	
L830M or X120M	830 (120,400) b	1050 (152,300) b	915 (132,700)	1145 (166,100)	0.99 h	f	915 (132,700)	

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) — Distribution Central	Mr. Arslan Hafeez (SE) — P&D Transmission	Mr. Mehboob Ali (Manager) — Transmission	
Approved By	A/SGM SBU Lower Sindh — Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission







- a For intermediate grades, the difference between the specified maximum yield strength and the specified minimum yield strength shall be as given in the table for the next higher grade, and the difference between the specified minimum tensile strength and the specified minimum yield strength shall be as given in the table for the next higher grade; for intermediate grades up to Grade L320 or X46, the tensile strength shall be  $\leq 655$  MPa (95,000 psi); for intermediate grades greater than Grade L320 or X46 and lower than Grade L555 or X80, the tensile strength shall be  $\leq 760$  MPa (110,200 psi); for intermediate grades higher than Grade L555 or X80, the maximum permissible tensile strength shall be obtained by interpolation; for SI units, the calculated value shall be rounded to the nearest 5 MPa; for USC units, the calculated value shall be rounded to the nearest 100 psi.
- b For grades  $> L625$  or X90,  $R_{p0.2}$  applies.
- c This limit applies for pipe with  $D > 323.9$  mm (12.750 in.).
- d For intermediate grades, the specified minimum tensile strength for the weld seam shall be the same value as was determined for the pipe body using footnote a).
- e For pipe requiring longitudinal testing, the maximum yield strength shall be  $\leq 495$  MPa (71,800 psi).
- f The specified minimum elongation,  $A_1$ , shall be as determined using the following equation:

$$A_1 = C \frac{A_0^2}{U^{0.5}}$$

where

- C is 1940 for calculations using SI units and 625,000 for calculations using USC units;
- $A_0$  is the applicable tensile test piece cross-sectional area, expressed in square millimeters (square inches), as follows:
- 1) for circular cross-section test pieces,  $130 \text{ mm}^2$  ( $0.20 \text{ in.}^2$ ) for 12.7 mm (0.500 in.) and 8.9 mm (0.350 in.) diameter test pieces;  $65 \text{ mm}^2$  ( $0.10 \text{ in.}^2$ ) for 6.4 mm (0.250 in.) diameter test pieces;
  - 2) for full-section test pieces, the lesser of a)  $485 \text{ mm}^2$  ( $0.75 \text{ in.}^2$ ) and b) the cross-sectional area of the test piece, derived using the specified outside diameter and the specified wall thickness of the pipe, rounded to the nearest  $10 \text{ mm}^2$  ( $0.01 \text{ in.}^2$ );
  - 3) for strip test pieces, the lesser of a)  $485 \text{ mm}^2$  ( $0.75 \text{ in.}^2$ ) and b) the cross-sectional area of the test piece, derived using the specified width of the test piece and the specified wall thickness of the pipe, rounded to the nearest  $10 \text{ mm}^2$  ( $0.01 \text{ in.}^2$ );
- U is the specified minimum tensile strength, expressed in megapascals (pounds per square inch).
- Lower values of  $R_{10.5}/R_m$  may be specified by agreement.
- For grades  $> L625$  or X90,  $R_{p0.2}/R_m$  applies. Lower values of  $R_{p0.2}/R_m$  may be specified by agreement.

6.1.11 Manufacturer have to submit reports from independent internationally reputable laboratories for mechanical properties and chemical analysis.

## 6.2 Chemical Properties

### 6.2.1 Chemical Composition

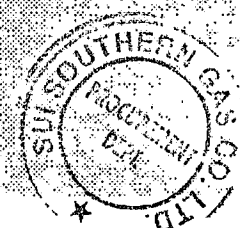
6.2.1.1 The chemical composition of pipe furnished to this specification as determined by heat analysis shall confirm to the chemical requirement given in below API table 5 for PSL-1 pipe (Chemical Composition for PSL-1 pipe with  $t \leq 25.0$  mm) and table 6 for PSL-2 pipe (Chemical Composition for PSL 2 pipe with  $t \leq 25.0$  mm).

### 6.2.2 Acceptance Criteria

6.2.2.1 For PSL 2 pipe with  $t \leq 25.0$  mm (0.984 in.), the chemical composition for standard grades shall be as given in Table 6, and the chemical composition for intermediate grades shall be as agreed, but consistent with those given in Table 6.

6.2.2.2 For PSL 1 or PSL 2 pipe with  $t > 25.0$  mm (0.984 in.), the chemical composition shall

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Service	A/SGM SBU Lower Sindh East & West	A/SGM Transmission





be as agreed, with the requirements of Tables 5 and 6 being amended as appropriate.

- 6.2.2.3 For PSL 2 pipe with a product analysis carbon mass fraction equal to or less than 0.12 %, the carbon equivalent,  $CE_{pcm}$ , shall be determined using Equation:

$$CE_{pcm} = C + \frac{Si}{30} + \frac{Mn}{20} + \frac{Cu}{20} + \frac{Ni}{60} + \frac{Cr}{20} + \frac{Mo}{15} + \frac{V}{10} + 5B$$

Where, the symbols for the chemical elements represent the mass fraction in percent (see Table 6). If the heat analysis for boron is less than 0.0005 %, then it is not necessary for the product analysis to include boron, and the boron content may be considered to be zero for the  $CE_{pcm}$  calculation.

- 6.2.2.4 For PSL 2 pipe with a product analysis carbon mass fraction greater than 0.12 %, the carbon equivalent,  $CE_{llw}$ , shall be determined using Equation:

$$CE_{llw} = C + \frac{Mn}{6} + \frac{(Cr + Mo + V)}{5} + \frac{(Ni + Cu)}{15}$$

Where, the symbols for the chemical elements represent the mass fraction in percent (see Table 6).

Table 5 - Chemical Composition for PSL 1 Pipe with  $t \leq 25.0$  mm (0.984 in.)

Steel Grade (Steel Name)	Mass Fraction, Based on Heat and Product Analyses <sup>a, b</sup>							
	%							
	C	Mn	P		S	V	Nb	Ti
	max <sup>b</sup>	max <sup>b</sup>	min	max	max	max	max	max
Seamless Pipe								
L175 or A25	0.21	0.60	—	0.030	0.030	—	—	—
L175P or A25P	0.21	0.60	0.045	0.080	0.030	—	—	—
L210 or A	0.22	0.90	—	0.030	0.030	—	—	—
L245 or B	0.28	1.20	—	0.030	0.030	c,d	c,d	d
L290 or X42	0.28	1.30	—	0.030	0.030	d	d	d
L320 or X46	0.28	1.40	—	0.030	0.030	d	d	d
L360 or X52	0.28	1.40	—	0.030	0.030	d	d	d
L390 or X56	0.28	1.40	—	0.030	0.030	d	d	d
L415 or X60	0.28 <sup>e</sup>	1.40 <sup>e</sup>	—	0.030	0.030	f	f	f

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



Steel Grade (Steel Name)	Mass Fraction, Based on Heat and Product Analyses <sup>a, b</sup>							
	%							
	C	Mn	P		S	V	Nb	Ti
	max <sup>b</sup>	max <sup>b</sup>	min	max	max	max	max	max
Seamless Pipe								
L450 or X65	0.28 <sup>e</sup>	1.40 <sup>e</sup>	—	0.030	0.030	f	f	f
L485 or X70	0.28 <sup>e</sup>	1.40 <sup>e</sup>	—	0.030	0.030	f	f	f
Welded Pipe								
L175 or A25	0.21	0.60	—	0.030	0.030	—	—	—
L175P or A25P	0.21	0.60	0.045	0.080	0.030	—	—	—
L210 or A	0.22	0.90	—	0.030	0.030	—	—	—
L245 or B	0.26	1.20	—	0.030	0.030	c, d	c, d	d
L290 or X42	0.26	1.30	—	0.030	0.030	d	d	d
L320 or X46	0.26	1.40	—	0.030	0.030	d	d	d
L360 or X52	0.26	1.40	—	0.030	0.030	d	d	d
L390 or X56	0.26	1.40	—	0.030	0.030	d	d	d
L415 or X60	0.26 <sup>e</sup>	1.40 <sup>e</sup>	—	0.030	0.030	f	f	f
L450 or X65	0.26 <sup>e</sup>	1.45 <sup>e</sup>	—	0.030	0.030	f	f	f
L485 or X70	0.26 <sup>e</sup>	1.65 <sup>e</sup>	—	0.030	0.030	f	f	f
<sup>a</sup> Cu ≤ 0.50 %; Ni ≤ 0.50 %; Cr ≤ 0.50 % and Mo ≤ 0.15 %. <sup>b</sup> For each reduction of 0.01 % below the specified maximum concentration for carbon, an increase of 0.05 % above the specified maximum concentration for Mn is permissible, up to a maximum of 1.65 % for grades ≥ L245 or B, but ≤ L360 or X52, up to a maximum of 1.75 % for grades > L360 or X52, but < L485 or X70; and up to a maximum of 2.00 % for Grade L485 or X70. <sup>c</sup> Unless otherwise agreed, Nb + V ≤ 0.06 %. <sup>d</sup> Nb + V + Ti ≤ 0.15 %. <sup>e</sup> Unless otherwise agreed. <sup>f</sup> Unless otherwise agreed, Nb + V + Ti ≤ 0.15 %. <sup>g</sup> No deliberate addition of B is permitted and the residual B ≤ 0.001 %.								



Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

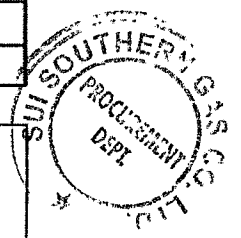




Table 6 - Chemical Composition for PSL 2 Pipe with  $t \leq 25.0$  mm (0.984 in.)

Steel Grade (Steel Name)	Mass Fraction, Based on Heat and Product Analyses									Carbon Equivalent <sup>a</sup>	
	% max									% max	
	C <sup>b</sup>	Si	Mn <sup>b</sup>	P	S	V	Nb	Ti	Other	CE <sub>IW</sub>	CE <sub>Pcm</sub>
Seamless and Welded Pipe											
L245R or BR	0.24	0.40	1.20	0.025	0.015	c	c	0.04	e,l	0.43	0.25
L290R or X42R	0.24	0.40	1.20	0.025	0.015	0.06	0.05	0.04	e,l	0.43	0.25
L245N or BN	0.24	0.40	1.20	0.025	0.015	c	c	0.04	e,l	0.43	0.25
L290N or X42N	0.24	0.40	1.20	0.025	0.015	0.06	0.05	0.04	e,l	0.43	0.25
L320N or X46N	0.24	0.40	1.40	0.025	0.015	0.07	0.05	0.04	d,e,l	0.43	0.25
L360N or X52N	0.24	0.45	1.40	0.025	0.015	0.10	0.05	0.04	d,e,l	0.43	0.25
L390N or X56N	0.24	0.45	1.40	0.025	0.015	0.10 <sup>f</sup>	0.05	0.04	d,e,l	0.43	0.25
L415N or X60N	0.24 <sup>f</sup>	0.45 <sup>f</sup>	1.40 <sup>f</sup>	0.025	0.015	0.10 <sup>f</sup>	0.05 <sup>f</sup>	0.04 <sup>f</sup>	g,h,l	As agreed	
L245Q or BQ	0.18	0.45	1.40	0.025	0.015	0.05	0.05	0.04	e,l	0.43	0.25
L290Q or X42Q	0.18	0.45	1.40	0.025	0.015	0.05	0.05	0.04	e,l	0.43	0.25
L320Q or X46Q	0.18	0.45	1.40	0.025	0.015	0.05	0.05	0.04	e,l	0.43	0.25
L360Q or X52Q	0.18	0.45	1.50	0.025	0.015	0.05	0.05	0.04	e,l	0.43	0.25
L390Q or X56Q	0.18	0.45	1.50	0.025	0.015	0.07	0.05	0.04	d,e,l	0.43	0.25
L415Q or X60Q	0.18 <sup>f</sup>	0.45 <sup>f</sup>	1.70 <sup>f</sup>	0.025	0.015	g	g	g	h,l	0.43	0.25
L450Q or X65Q	0.18 <sup>f</sup>	0.45 <sup>f</sup>	1.70 <sup>f</sup>	0.025	0.015	g	g	g	h,l	0.43	0.25
L485Q or X70Q	0.18 <sup>f</sup>	0.45 <sup>f</sup>	1.80 <sup>f</sup>	0.025	0.015	g	g	g	h,l	0.43	0.25
L555Q or X80Q	0.18 <sup>f</sup>	0.45 <sup>f</sup>	1.90 <sup>f</sup>	0.025	0.015	g	g	g	i	As agreed	
L625Q or X90Q	0.16 <sup>f</sup>	0.45 <sup>f</sup>	1.90	0.020	0.010	g	g	g	j,k	As agreed	
L690Q or X100Q	0.16 <sup>f</sup>	0.45 <sup>f</sup>	1.90	0.020	0.010	g	g	g	j,k	As agreed	
Welded Pipe											
L245M or BM	0.22	0.45	1.20	0.025	0.015	0.05	0.05	0.04	e,l	0.43	0.25
L290M or X42M	0.22	0.45	1.30	0.025	0.015	0.05	0.05	0.04	e,l	0.43	0.25
L320M or X46M	0.22	0.45	1.30	0.025	0.015	0.05	0.05	0.04	e,l	0.43	0.25
L360M or X52M	0.22	0.45	1.40	0.025	0.015	d	d	d	e,l	0.43	0.25
L390M or X56M	0.22	0.45	1.40	0.025	0.015	d	d	d	e,l	0.43	0.25
L415M or X60M	0.12 <sup>f</sup>	0.45 <sup>f</sup>	1.60 <sup>f</sup>	0.025	0.015	g	g	g	h,l	0.43	0.25
L450M or X65M	0.12 <sup>f</sup>	0.45 <sup>f</sup>	1.60 <sup>f</sup>	0.025	0.015	g	g	g	h,l	0.43	0.25

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) – Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission





Steel Grade (Steel Name)	Mass Fraction, Based on Heat and Product Analyses									Carbon Equivalent <sup>a</sup>	
	% max									% max	
	C <sup>b</sup>	Si	Mn <sup>b</sup>	P	S	V	Nb	Ti	Other	CE <sub>IIW</sub>	CE <sub>Pcm</sub>
Welded Pipe											
L485M or X70M	0.12 <sup>f</sup>	0.45 <sup>f</sup>	1.70 <sup>f</sup>	0.025	0.015	g	g	g	h	0.43	0.25
L555M or X80M	0.12 <sup>f</sup>	0.45 <sup>f</sup>	1.85 <sup>f</sup>	0.025	0.015	g	g	g	i	0.43 <sup>f</sup>	0.25
L625M or X90M	0.10	0.55 <sup>f</sup>	2.10 <sup>f</sup>	0.020	0.010	g	g	g	i	—	0.25
L690M or X100M	0.10	0.55 <sup>f</sup>	2.10 <sup>f</sup>	0.020	0.010	g	g	g	i		0.25
L830M or X120M	0.10	0.55 <sup>f</sup>	2.10 <sup>f</sup>	0.020	0.010	g	g	g	i		0.25

<sup>a</sup> Based on product analysis, for seamless pipe with  $t \geq 20.0$  mm (0.787 in.), the CE limits shall be as agreed; the CE<sub>IIW</sub> limits apply if C > 0.12 % and the CE<sub>Pcm</sub> limits apply if C ≤ 0.12 %.

<sup>b</sup> For each reduction of 0.01 % below the specified maximum for C, an increase of 0.05 % above the specified maximum for Mn is permissible, up to a maximum of 1.65 % for grades ≥ L245 or B, but ≤ L360 or X52; up to a maximum of 1.75 % for grades > L360 or X52, but < L485 or X70, up to a maximum of 2.00 % for grades ≥ L485 or X70, but ≤ L555 or X90; and up to a maximum of 2.20 % for grades > L555 or X80.

<sup>c</sup> Unless otherwise agreed, Nb + V ≤ 0.06 %.

<sup>d</sup> Nb + V + Ti ≤ 0.15 %.

<sup>e</sup> Unless otherwise agreed, Cu ≤ 0.50 %; Ni ≤ 0.30 %; Cr ≤ 0.30 % and Mo ≤ 0.15 %.

<sup>f</sup> Unless otherwise agreed.

<sup>g</sup> Unless otherwise agreed, Nb + V + Ti ≤ 0.15 %.

<sup>h</sup> Unless otherwise agreed, Cu ≤ 0.50 %; Ni ≤ 0.50 %; Cr ≤ 0.50 % and Mo ≤ 0.50 %.

<sup>i</sup> Unless otherwise agreed, Cu ≤ 0.50 %; Ni ≤ 1.00 %; Cr ≤ 0.50 % and Mo ≤ 0.50 %.

<sup>j</sup> B ≤ 0.004 %.

<sup>k</sup> Unless otherwise agreed, Cu ≤ 0.50 %; Ni ≤ 1.00 %; Cr ≤ 0.55 % and Mo ≤ 0.80 %.

<sup>l</sup> For PSL 2 pipe grades except those grades to which footnote j) already applies, the following applies, unless otherwise agreed no intentional addition of B is permitted and residual B ≤ 0.001 %.


6.3 Manufacturer have to submit reports from independent internationally reputable laboratories for mechanical properties and chemical analysis.

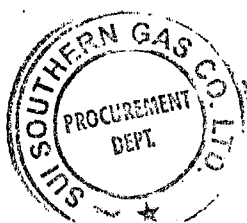
#### 6.4 Heat Analysis

The Purchaser shall be supplied with the report giving the heat analyses of each heat of steel used in the manufacture of pipe furnished under the present specification. For Heat Analysis requirement refer table 17 of API 5L for PSL-1 pipes and table 18 of API 5L for PSL-2 pipes.

#### 6.5 Product Analysis

The manufacturer shall supply the Purchaser with a report on check analyses taken from finished pipes. In addition to the API Standard requirements, the pipes from which samples shall be taken will be selected by the Purchaser/Purchaser's representative

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) – Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission





among the ten (10) first pipe lengths coming from the same heat, for each heat. The permissible variations will be within the limits specified in standard API 5L.

## 6.6 Mill Control Analysis

The Purchaser shall be provided with the complete set of records pertaining to this step.

## 6.7 Chemical Analysis Procedures

The chemical analysis procedures shall be in accordance with ASTM A751 code.

## 6.8 Mechanical Properties & Tests

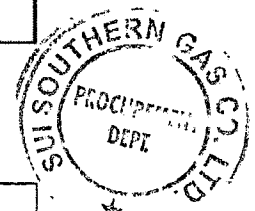
### 6.8.1 Tensile Properties

6.8.1.1 The Mechanical analysis procedure shall be in accordance with ASTM A-370.

Table 7 - Number, Orientation, and Location of Test Pieces per Sample for Mechanical Tests for PSL 1 Pipe

Type of Pipe	Sample Location	Type of Test	Number, Orientation, and Location of Test Pieces per Sample *			
			Specified Outside Diameter			
			D mm (in.)			
			< 219.1 (8.625)	219.1 (8.625) to < 323.9 (12.750)	323.9 (12.750) to < 508 (20.000)	≥ 508 (20.000)
SMLS, not cold-expanded [see Figure 5 a)]	Pipe body	Tensile	1L <sup>b</sup>	1L	1L	1L
SMLS, cold-expanded [see Figure 5 a)]	Pipe body	Tensile	1L <sup>b</sup>	1T <sup>c</sup>	1T <sup>c</sup>	1T <sup>c</sup>
CW [see Figure 5 b)]	Pipe body	Tensile	1L90 <sup>b</sup>	—	—	—
	Pipe body and weld	Bend	1 <sup>e</sup>	—	—	—
	Pipe body and weld	Flattening	As shown in Figure 6			
LW [see Figure 5 b)]	Pipe body	Tensile	1L90 <sup>b</sup>	1T180 <sup>c</sup>	1T180 <sup>c</sup>	1T180 <sup>c</sup>
	Seam weld	Tensile	—	1W	1W	1W
	Seam weld	Guided-bend	—	—	2W	2W
	Pipe body and weld	Flattening	As shown in Figure 6			

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission





Type of Pipe	Sample Location	Type of Test	Number, Orientation, and Location of Test Pieces per Sample <sup>a</sup>			
			Specified Outside Diameter			
			D mm (in.)			
			< 219.1 (8.625)	219.1 (8.625) to < 323.9 (12.750)	323.9 (12.750) to < 508 (20.000)	≥ 508 (20.000)
LFW or HFW [see Figure 5 b)]	Pipe body	Tensile	1L90 <sup>b</sup>	1T180 <sup>c</sup>	1T180 <sup>c</sup>	1T180 <sup>c</sup>
	Seam weld	Tensile	—	1W	1W	1W
	Pipe body and weld	Bend	1 <sup>a</sup>	—	—	—
	Pipe body and weld	Flattening	As shown in Figure 6			
SAWL or COWL [see Figure 5 b)]	Pipe body	Tensile	1L90 <sup>b</sup>	1T180 <sup>c</sup>	1T180 <sup>c</sup>	1T180 <sup>c</sup>
	Seam weld	Tensile	—	1W	1W	1W <sup>d</sup>
	Seam weld	Guided-bend	2W	2W	2W	2W <sup>d</sup>
SAWH or COWH [see Figure 5 c)]	Pipe body	Tensile	1L <sup>b</sup>	1T <sup>c</sup>	1T <sup>c</sup>	1T <sup>c</sup>
	Seam weld	Tensile	—	1W	1W	1W
	Seam weld	Guided-bend	2W	2W	2W	2W
	Coil/plate end weld	Guided-bend	2WS	2WS	2WS	2WS

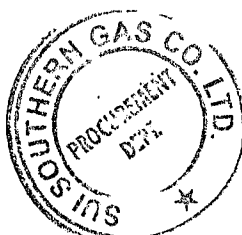
<sup>a</sup> See Figure 5 for an explanation of the symbols used to designate orientation and location of samples and test pieces.

<sup>b</sup> Full-section longitudinal test pieces may be used at the option of the manufacturer

<sup>c</sup> If agreed, annular test pieces may be used for the determination of transverse yield strength by the hydraulic ring expansion test in accordance with ASTM A370.

<sup>d</sup> For double-seam pipe, both longitudinal weld seams in the pipe selected to represent the test unit shall be tested.

<sup>e</sup> Testing limited to pipe of D ≤ 60.3 mm (2.375 in.).



Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



Table 8- Number, Orientation, and Location of Test Pieces per Sample for Mechanical Tests for PSL 2 Pipe

Type of Pipe	Sample Location	Type of Test	Number, Orientation, and Location of Test Pieces per Sample <sup>a</sup>			
			Specified Outside Diameter			
			D mm (in.)			
			< 219.1 (8.625)	219.1 (8.625) to < 323.9 (12.750)	323.9 (12.750) to < 508 (20.000)	≥ 508 (20.000)
SMLS, not cold-expanded [see Figure 5 a)]	Pipe body	Tensile	1L <sup>b</sup>	1L <sup>cd</sup>	1L <sup>cd</sup>	1L <sup>cd</sup>
		CVN	3T	3T	3T	3T
SMLS, cold-expanded [see Figure 5 a)]	Pipe body	Tensile	1L <sup>b</sup>	1T <sup>d</sup>	1T <sup>d</sup>	1T <sup>d</sup>
		CVN	3T	3T	3T	3T
HFW [see Figure 5 b)]	Pipe body	Tensile	1L90 <sup>b</sup>	1T180 <sup>d</sup>	1T180 <sup>d</sup>	1T180 <sup>d</sup>
		CVN	3T90	3T90	3T90	3T90
		DWT	—	—	—	2T90
	Seam weld	Tensile	—	1W	1W	1W
		CVN	3W	3W	3W	3W
	Pipe body and weld	Flattening	As shown in Figure 6			
SAWL or COWL [see Figure 5 b)]	Pipe body	Tensile	1L90 <sup>b</sup>	1T180 <sup>d</sup>	1T180 <sup>d</sup>	1T180 <sup>d</sup>
		CVN	3T90	3T90	3T90	3T90
		DWT	—	—	—	2T90
	Seam weld	Tensile	—	1W	1W	1W <sup>e</sup>
		CVN	3W and 3HAZ	3W and 3HAZ	3W and 3HAZ	3W <sup>e</sup> and 3HAZ <sup>e</sup>
		Guided-bend	2W <sup>f</sup>	2W <sup>f</sup>	2W <sup>f</sup>	2W <sup>e,f</sup>
SAWH or COWH [see Figure 5 c)]	Pipe body	Tensile	1L <sup>b</sup>	1T <sup>d</sup>	1T <sup>d</sup>	1T <sup>d</sup>
		CVN	3T	3T	3T	3T
		DWT	—	—	—	2T
	Seam weld	Tensile	—	1W	1W	1W
		CVN	3W and 3HAZ	3W and 3HAZ	3W and 3HAZ	3W and 3HAZ
		Guided-bend	2W <sup>f</sup>	2W <sup>f</sup>	2W <sup>f</sup>	2W <sup>f</sup>
	Coil/plate end weld	Tensile	—	1WS	1WS	1WS
		CVN	3WS and 3HAZ	3WS and 3HAZ	3WS and 3HAZ	3WS and 3HAZ
		Guided-bend	2WS <sup>f</sup>	2WS <sup>f</sup>	2WS <sup>f</sup>	2WS <sup>f</sup>

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) – Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission





- a See Figure 5 for an explanation of the symbols used to designate orientation and location.
- b Full-section longitudinal test pieces may be used at the option of the manufacturer.
- c If agreed, transverse test pieces may be used.
- d If agreed, annular test pieces may be used for the determination of transverse yield strength by the hydraulic ring expansion test in accordance with ASTM A370.
- e For double-seam pipe, both longitudinal-weld seams in the pipe selected to represent the test unit shall be tested.
- f For pipe with  $\bar{r} \geq 19.0$  mm (0.748 in.), the test pieces may be machined to provide a rectangular cross-section having a thickness of 18.0 mm (0.709 in.).

### 6.8.2 Manipulation test for submerged-Arc Welds

Submerged arc welds shall be tested by the guided-bend test. The test specimens shall be taken from the helical weld in a length of pipe from each lot of 50 lengths or less of each combination of outside diameter, wall thickness and grade and from a skelp end weld in a length of pipe from each lot of 50 lengths or less of each combination of outside dia., wall thickness, and grade of finished helical seam pipe containing skelp end welds. The test specimen shall not contain repair welds.

### 6.8.3 Tensile Testing

6.8.3.1 Tensile tests and weld tensile tests shall be performed on one pipe from each lot of pipes.

6.8.3.2 Tensile testing frequency shall be in accordance with API 5L or the following lot definition, whichever yields the greater number of tests. The term "lot" is defined herein as a maximum produced length of 1,000 meters of pipe.

### 6.8.4 Fracture Toughness Tests


6.8.4.1 Fracture toughness tests shall be conducted in accordance with API 5L SR5 and ASTM A370. All pipe diameter and wall thickness combinations on the pipe order shall be Charpy V-notch impact tested.

6.8.4.2 Six transverse Charpy specimens (three (3) with the notch in the base metal and three (3) with the notch in the weld) shall be taken from one length of pipe from each lot of 100 lengths per heat produced.

6.8.4.3 Testing temperature shall be 0°C (32°F).

6.8.4.4 The average energy value of three specimens shall not be less than 35 J/cm<sup>2</sup> with no single energy value less than 28 J/cm<sup>2</sup>.

6.8.4.5 Charpy test specimens shall be the largest possible Charpy specimen size which can be machined from the pipe wall thickness.

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



### 6.8.5 Hardness Tests

6.8.5.1 Cross section samples of the weld zone shall be cut from one (1) pipe for each lot of pipes and prepared for hardness testing.

6.8.5.2 Hardness tests shall be conducted in the base metal, fusion zone and heat affected zones. Hardness traverses shall be made on the inside, outside and appropriate mid-point of wall thickness of the cross section specimens. Each traverse shall include base metal and heat-affected zones on both sides of the weld and fusion zone.

6.8.5.3 The maximum hardness shall not exceed 260 Vickers (HV5).

## 7. DIMENSIONS, MASS & TOLERANCES

### 7.1 Dimensions

7.1.1 The pipe shall be delivered to the dimensions specified in the purchase order, subject to the applicable tolerances.

### 7.2 Weight

7.2.1 The pipe shall be weighed either individually or in convenient lots and truck load weight thus determined.

7.2.2 Threaded pipes can be weighed with the thread protectors for which proper allowance shall be made.

7.2.3 The tolerance for weight shall be within tolerances -0% to +5% of specified mass per unit length.


7.2.4 The manufacturer is liable to supply the quantity in meters as per purchase order.

### 7.3 Tolerances for Diameter, Wall Thickness, Length and Straightness

7.3.1 The pipe ovality and high & low problems in a pipe back should be strictly controlled, so that problem encountered during field welding is minimized. Tolerance for Diameter at Pipe Ends shall generally be in accordance with Table 10 of API Spec 5L with the exception that Diameter out of roundness (Maximum differential between Minimum and Maximum Diameters) shall not exceed 0.125 inch.

7.3.2 The wall thickness at any location shall be within tolerances -0% to +5% of specified wall thickness except that the weld area shall not be limited by the plus tolerance. Wall thickness measurements shall be carried out in accordance with para 9.11.3 of API Spec 5L.

7.3.3 The welded Pipes shall be furnished in double random lengths 12 meters (40 feet) from size 4" and above. The average length of pipe for each carload of 40,000 lbs. shall not

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

be less than thirty-five (35) feet. No more than ten percent of length shall be shorter than 26.3 feet.

Further to above the pipe size from ½" to 24" welded/Seamless pipe length 20 feet (6 Meter) will be acceptable to purchaser subject to specified in the SOR/Purchase order.

7.3.4 The tolerances for length shall be as follows:

7.3.4.1 Unless otherwise agreed, random lengths shall be delivered within the tolerances given in Table-12 of API 5L.

7.3.4.2 Approximate lengths shall be delivered within a tolerance of  $\pm 500$  mm (20 in.).

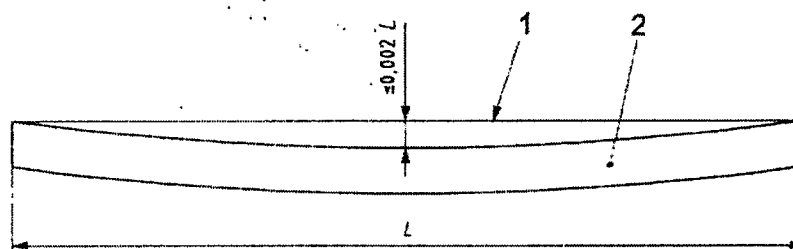
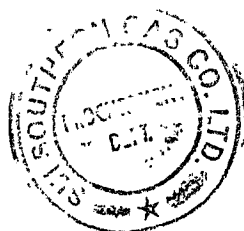
7.3.4.3 Jointers are not recommended as per SSGC practice. If it is agreed than following shall be applicable as per API 5L (9.11.3.3)

7.3.4.4 If the supply of jointers is agreed, jointers comprising two pieces welded together to make a length shorter than 15.0 m (49.2 ft) may be furnished to a maximum of 5 % of the order item, or as agreed.

7.3.4.5 If the supply of jointers is agreed, jointers comprising two pieces welded together to make a length 15.0 m (49.2 ft) or longer may be furnished for the entire order item or any portion thereof.

7.3.4.6 The tolerances for straightness shall be as follows.

7.3.4.7 The total deviation from a straight line, over the entire pipe length, shall be  $\leq 0.2$  % of the pipe length, as shown in Figure 1.



Key  
1 taut string or wire  
2 pipe

Figure 1—Measuring Full-length Straightness

7.3.4.8 The local deviation from a straight line in the 1.5 m (5.0 ft) portion at each pipe end shall be  $\leq 3.2$  mm (0.125 in.), as shown in Figure 2.

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



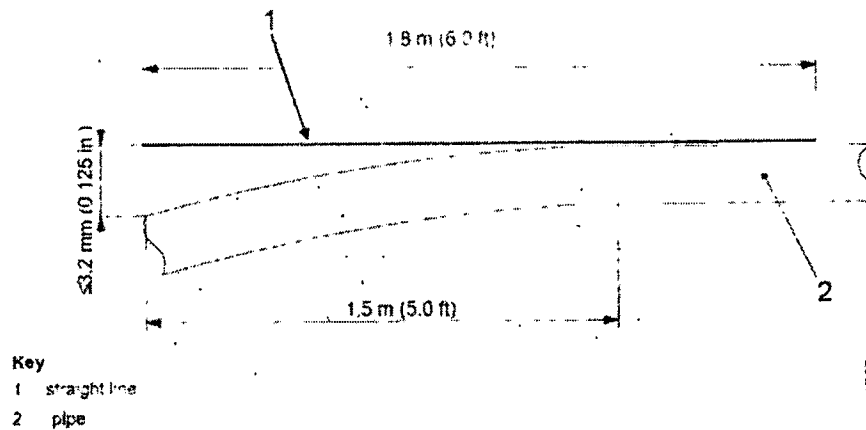


Figure 2—Measuring End Straightness



#### 7.4 Finish of Pipe Ends

7.4.1 Grade L175P or A25P PSL 1 pipe shall be furnished with threaded ends; other grades of PSL 1 pipe shall be furnished with plain ends, unless another acceptable end finish is specified in the purchase order. PSL 2 pipe shall be furnished with plain ends. Pipe ends shall also be free from burrs.

7.4.2 Each length of the pipe shall be furnished with ends beveled as per Schedule of Requirement to an angle of thirty degrees (30°) plus five degrees (5°), minus zero degree (-0°) from the perpendicular to the axis of the pipe and with a root face of 1/16 inch  $\pm$  1/32 inch. Tolerances & removal of burrs will be according to paragraph 9.11 and 9.12 of API Specification 5L.

7.4.3 The supplier shall provide bevel guards/end caps as per schedule of requirement for each end of the pipe. Bevel guards/End caps shall be robust to withstand handling during loading/unloading. Bevel guard shall cover both inside and outside of the pipe at least 4 inch of pipe ends and also supplier should ensure for arrangement of strengthen end cap fixing at both end of pipe at mill prior to Ex-works deliver to make sure the line pipe safety during long storage in an open environment during shipment or storage at Buyer's locations. Bevel Guards / End Cap as per schedule of requirement details shall be submitted with bid.

#### 7.5 Threaded Ends (PSL 1 Only)

7.5.1 Threaded ends shall conform to the threading, thread inspection, and gauging requirements of API 5B.

7.5.2 One end of each length of threaded pipe shall be provided with a coupling conforming

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

to the Requirements of Annex F of API 5L, and the other end shall be provided with thread protection conforming to the Requirements of 12.2.

7.5.3 Couplings shall be screwed onto the pipe handling-tight or, if agreed, power-tight.

7.6 Belled Ends (PSL 1 Only)

For belled end pipe clause 9.12.3 of API 5L shall be applicable.

7.7 Ends Prepared for Special Couplings (PSL 1 Only)

For End preparation clause 9.12.4 of API 5L shall be applicable.

7.8 Plain Ends

For Plain End preparation clause 9.12.5 of API 5L shall be applicable.

## 8 LINE PIPE FIELD WELDABILITY

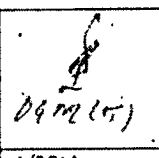
8.1 Bidder/Supplier shall confirm and certify that the line pipe to be supplied shall be suitable for field welding with electrodes complying with AWS classification or equivalent standards manufactured in all respect to AWS specification A 5.1 and A 5.5 or ASME specification for mild steel or low alloy steel, high cellulosic covered fast freeze arc welding electrodes as applicable to produce crack free welds specifically for offered line pipe.

8.2 Bidder shall elaborate the field welding of line pipe chemistry and any pre heat treatment requirement for the offered line pipe. The bidder may also propose his recommendations with respect to suitability of the Welding electrodes/flux wire (Both).

## MARKING

Pipe markings shall include the following information as per 11.2 of API 5L sequentially, as applicable:

- Name or mark of the manufacturer of the pipe (X)
- P.O. No.
- Project Name
- "API Spec 5L" shall be marked when the product is in complete compliance with this specification, appropriate annexes, and this section. Products in compliance with multiple compatible standards may be marked with the name of each standard;
- Specified outside diameter
- Specified wall thickness

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) – Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



- Pipe steel grade
- PSL designation
- Type of pipe
- Mark of the customer's inspection representative
- An identification number

9.1 Pipe Manufacturer shall also mention below details on the outer surface of the pipe;

- Pipe No.
- Heat No.
- Lot. No.
- Material Grade

9.2 API Spec 5L Registered Mono shall be marked when the product is in complete compliance with this specification, appropriate annexes, and this section.

## 10 TESTING AND INSPECTION

### 10.1 Hydrostatic Test

10.1.1 Test pressures for each size of SMLS pipe and for welded pipe with  $D \leq 457$  mm (18.000 in.) shall be held for not less than 5 seconds as per 10.2.6, API-5L.

10.1.2 Test pressures for welded pipe with  $D > 457$  mm (18.000 in.) shall be held for not less than 10 seconds as per 10.2.6 API-5L.

10.1.3 For threaded-and-coupled pipe, the test shall be applied with the couplings made up power-tight if agreed, except that pipe with  $D > 323.9$  mm (12.375 in.) may be tested in the plain-end condition.

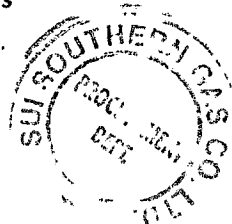
10.1.4 For threaded pipe furnished with couplings made up handling-tight, the hydrostatic test shall be made on the pipe in the plain-end, threads-only, or coupled condition unless a specific condition is specified in the purchase order.

10.1.5 The purchaser may specify bursting test on random specimen for diameter as per Schedule of requirement of pipes up to a limit of 2 specimen for the whole order. This limit is exclusive of re-tests necessary due to failure of any specimen.

### 10.2 Burst Test and DWT Test

10.2.1 Pipe Burst Test shall be performed in accordance with API 5L (as per Annexure G).

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission





10.2.2 DWT Test shall be performed as per API RP 5L3.

### 10.3 Hydrostatic Test Pressure

10.3.1 Test pressures for light-wall threaded pipe shall be as given in Table 24 of API-5L.

10.3.2 Test pressures for heavy-wall threaded pipe shall be as given in Table 25 of API-5L.

10.3.2.1 The hydrostatic test pressure,  $P$ , expressed in Mega Pascals (pounds per square inch), for plain-end pipe shall be determined by using Equation given below, with the results rounded to the nearest 0.1 MPa (10 psi).

$$P = 2 St/D$$

Where,

- $S$  is the hoop stress, expressed in Mega Pascals (pounds per square inch), equal to 90(%) percent of the specified minimum yield strength of the pipe, as given in Table 26 of API 5L;
- $t$  is the specified wall thickness, expressed in millimeters (inches);
- $D$  is the specified outside diameter, expressed in millimeters (inches).

### 10.4 Non-destructive testing

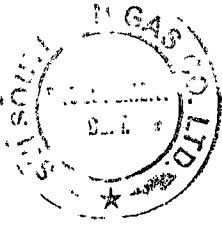
10.4.1 The weld seam of each welded pipes furnished to this specification shall be inspected non-destructively for the full length (100%) in accordance with methods specified below:

10.4.1.1 Electric welded pipe shall be inspected for surface and sub-surface defects by ultrasonic or electromagnetic methods in accordance with methods specified by API specification, 5L.

10.4.1.2 Pipe ends shall be inspected by using hand-held ultrasonic shear wave equipment or other NDT method agreed by the manufacturer and purchaser.

10.4.1.3 For ultrasonic test high angle multi-direction probes (transducer) should preferably use.


10.4.1.4 All defect in pipe body and seam e.g. lap, pit seam, rolled, in slag, upturned fibers, cold welds with lamination, hard spot as indicated shall be dealt with as per AP specification 5L.



Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission



- 10.4.1.5 Cracks, leaks, lack of fusion, penetrator: The section of pipe containing cracks, lack of fusion, penetrator shall be rejected. The section of the pipe containing cracks, lack of fusion, penetrators shall be rejected. The section of the pipe shall be cut off within the limits of the requirement on length.
- 10.4.1.6 Submerged arc welded pipes shall be inspected full length, by radiological method in accordance with methods specified by API specification 5L.
- 10.4.1.7 The weld & parent metal imperfection and defects, such as size and distribution of slag inclusion, gas pocket discontinuities, cracks, leak, lack of penetration, lack of complete fusion, arc burn, undercut, under fills, hard spots, laminations, sweats and other defects as observed during radiographic examination shall be dealt with as per API specification 5L. The removal of all the defects shall be verified by radiographic or other methods, as required.
- 10.4.1.8 Hard spot: Any hard spot having a minimum dimension greater than 2-inches in any direction and a hardness greater than 35 (HRC) BH shall be rejected. The section of the pipe containing the hard spot shall be removed as a cylinder.
- 10.4.1.9 Cracks and Leaks: The section of the pipe containing cracks or leaks shall be rejected. The section of the pipe shall be cut off within the limits of the requirements on length.
- 10.4.1.10 Workmanship and defects on the pipe related to dents, offset, plate edges, height of weld bead, height of flash of electric welded pipe, hard spots, cracks, sweats/leaks, lamination, arc burns and undercut inspection and repair of defects shall be in accordance with chapter 9 & chapter 10 of API 5L.
- 10.4.1.11 Imperfections of the types that exceed the specified criteria described in paras 9.10.1 to 9.10.7 of API Spec. 5L shall be considered as defects. Moreover, any imperfection having a depth greater than 8% of the specified wall thickness, measured from the surface of the pipe, shall be considered a defect.
- 10.4.1.12 Repair by weld of body pipe, plate and skelp is prohibited.
- 10.4.1.13 Repair by welding and weld seams without filler metal is prohibited.
- 10.4.1.14 Weld repair in each pipe length shall be limited to a maximum 5% weld seam length.

Reviewed By	Mr. Gresh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	 OGM (17)
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

- 10.4.1.15 Repair of weld seam pipe is not acceptable within 200mm of bevel ends, pipe section containing defect shall be cut-off and re-beveled in accordance with API 5L.
- 10.4.1.16 Weld repair shall not be carried out after cold expansion or hydrostatic testing of pipe. All welding and repair shall be executed using qualified low hydrogen procedures, which have been approved for the purpose by the purchaser and or its appointed third party inspector. 100% radiography/ultrasound of weld repairs shall be performed.
- 10.4.1.17 Only one repair attempt is permitted per defect.
- 10.4.1.18 All approved weld repair details shall be recorded and also soft copy shall be submitted.

## 10.5 Flattening & Weld Ductility Tests

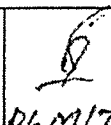
At the option of the company (purchaser) the manufacturer shall take samples from the pipes manufactured in their premises for carrying out flattening and weld ductility tests in the factory in accordance with the requirements of API-5L. Manufacturers have to arrange and pay for the test from an independent laboratory.

- 10.6 The above test frequency for specimens shall be for the whole order and their cost should be included. This limit is exclusive of re-tests necessary due to failure of any specimen. (As applicable to API 5L)
- 10.7 Complete inspection criteria of steel line pipe shall be performed at Mill by Manufacturer as per API 5L table 17 for PSL 1 and table 18 for PSL 2 respectively.

## 11 COATING

Mill coating on the pipe surface is required on pipes of Dia. 4" and above sizes as per schedule of requirement. For coating refer spec. "SSGC's Technical Specification for 3 Layer PE Coating (COT-SPE-GE-0100)".



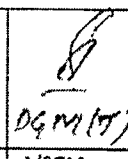
Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) – Transmission	 DHMIT
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

## 12 MANDATORY REQUIREMENTS

- 12.1 The bidder shall submit the valid copy of following certificates;
- API 5L (Pipe Manufacturer's registration)
  - API Specs Q1 / ISO 9001 (Quality Control and Management System)
  - ISO 14001 (Environmental Management System)
  - ISO 45001/18001(OSHAS)
- 12.2 Bids are invited directly from the Manufacturer or their authorized local agents in Pakistan. Beside local agent, principle involvement would be acceptable as regional Sales Representative, in case of foreign purchase. The Local pipe manufacturer may also participate directly in bidding process. However, in any case, Bids from stockiest and Brokers will be rejected.
- 12.3 The local agents/suppliers are required to submit valid authorization letter from the Manufacturer failing which will make bid non-compliant.
- 12.4 The bidder shall provide a clear and concise, clause by clause, compliance or exception (with detail) commentary to these technical specifications duly signed and stamped by Manufacturer which is mandatory for technical evaluation, failing to submit this document may be considered non responsive.
- 12.5 Offered Line pipe shall comply with the requirement of this specification. Quoted Line pipe which do not strictly comply with the requirements of this specification are liable for rejection.

## 13 SALES TRACK RECORD

- 13.1 The Bidder shall submit the supporting documents of sales track record for the offered Line Pipes including copies of purchase order & satisfactory performance certificate of operations issued by different client/end users related to Oil & Gas Sector with similar requirement along with their email (email address of end user's company domain and not the commercial domain like Yahoo, Gmail, or Hotmail, etc.), fax, telephone, address and name of persons to contact to whom they have supplied the offered Line pipes within the last five (05) years and have been successfully installed and operated.
- 13.2 Simply submitting a list of customers, to whom the Manufacturer has been supplying the Line pipes, will not meet the intent and purpose of this requirement. Failure to comply with this requirement may result in rejection of the bid.

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission




#### 14 THIRD PARTY INSPECTION

- 14.1 In addition to the inspection and witnessing of (mill) tests to be done by the Manufacturer during the manufacturing and shipment of the Equipment / Material, SSGC may appoint a third party at its own cost for witnessing of the inspection and testing to be carried out at the manufacturer's facility under this specification. However, the purchaser (SSGC) reserves the right to witness any aspect of the manufacturing process / testing at no extra cost of at least Two (02) Engineers. Vendor shall submit an inspection and testing procedure (ITP) for review and approval by the purchaser prior to the start of manufacturing.
- 14.2 The manufacturer shall replace such defective and sub-standard pipes at its own risk & cost within the delivery period as specified in the contract.
- 14.3 The inspector representing the purchaser shall have unrestricted access in the factory, during the period they are engaged on behalf of the purchaser.
- 14.4 The plant access, inspection, rejection, compliance etc. will be in accordance with API Specification 5L.

#### 15 IN-HOUSE QUALITY CONTROL

- 15.1 The manufacturer shall provide documents for the in-house quality control program which shall strictly be adhered to in the production of all quoted manufactured products.
- 15.2 The program which must adhere to quality control standard registration API 5L from API, and ISO 9001 certificate from internationally recognized organization, also provide following details.
- 15.2.1 Weighting scale suitable for weighting pipes along with capacity, make and quantity.
- 15.2.2 Bevel gauges for measuring angles of bevel & pipe thickness gauges.
- 15.2.3 Number of personnel engaged on quality control giving their names, qualification and experience.
- 15.2.4 Vernier calipers, micrometer and other tools specification and quantity, make and capacity.
- 15.2.5 Equipment for carrying out mechanical tests.
- 15.2.6 Type, make & capacity of instruments and pressure gauges installed on hydrostatic testing equipment.
- 15.2.7 Type, make and capacity of NDT equipment.

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arslan Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	 06.02.17
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission





Note: Manufacturer shall submit documentary evidence of valid testing and calibration date of all machine equipment, instrument and gauges.

## 16 CERTIFICATES AND DOCUMENTS

16.1 The manufacturer shall furnish to purchasers the following information along with the certificate of compliance stating that the pipe delivered has been found to meet the tender specification requirement.

16.1.1 Specified diameter, wall thickness, grade, process of manufacture & type of heat treatment

16.1.2 Chemical analysis, (heat & product) showing weight percentage of all elements, carbon equivalent values, metallographic inspection report.

16.1.3 Yield strength, ultimate tensile strengths & elongating test data, fracture test report.

16.1.4 Minimum hydrostatic test pressure and duration.

16.1.5 Non-destructive inspection and test reports.

### 16.2 Final Documentation

16.2.1 A dossier shall be compiled concurrently with full record of the fabrication, materials, inspection and testing.

16.2.2 All items in the dossier shall be numbered and bound in an A4 four post binder; contents shall include but not be limited to the following (as applicable):

16.2.2.1 Front cover sheet detailing:

- P.O. No.
- Project Title
- Equipment Title
- Equipment Item No.

16.2.2.2 Index

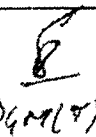
16.2.2.3 Purchaser Release Note

16.2.2.4 Purchase Order

16.2.2.5 A list of all applicable codes, standards and specifications

16.2.2.6 All drawings "As-built" - wherever legibility can be preserved, reduced to A3 and folded, where legibility cannot be preserved, drawings to be folded to A4 size and inserted into pre-punched plastic wallets.

16.2.2.7 NDT procedures

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) - Distribution Central	Mr. Arian Hafeez (SE) - P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	 DG (T)
Approved By	A/SGM SBU Lower Sindh - Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

**16.2.2.8 All NDT/PWHT/ Hydrostatic/ Performance test reports****16.2.2.9 Photocopy of Nameplate**

- 16.2.2.10 Material Chemical analysis and mechanical test certification
- 16.2.2.11 Final signed quality plan
- 16.2.2.12 Material test certificates
- 16.2.2.13 Mechanical design calculations
- 16.2.2.14 Procedure Qualification Records
- 16.2.2.15 Welding qualification Tests
- 16.2.2.16 Painting inspection certificates
- 16.2.2.17 Manufacturing Data Records (MDR)
- 16.2.2.18 Installation Drawings and Procedures
- 16.2.2.19 Operation and Maintenance Manual
- 16.2.2.20 Schedules of commissioning spare parts
- 16.2.2.21 Any other documents not specified above, but essential to make the Pressure safety valves operational and maintainable

16.2.3 For all above documents, six (06) sets shall be submitted in clearly labeled 4 ring white hard cover binders. All documents smaller and larger than A4 shall be inserted into A4 pre-punched, top-opening plastic wallets with the project document number/title block clearly visible to the front.

**17 RESERVATIONS**

- 17.1 The supplier shall give due and proper notice of commencements of offered items fabrication and test under these specifications to the Purchaser / Third party inspector appointed by SSGC.
- 17.2 The Purchaser reserves the right to delete, increase and/or decrease the quantities of the material at the time of placement of order.
- 17.3 The Purchaser reserves the right to increase, decrease and delete the quantity of all the items given herein the Schedule of Requirement.

**18 LOCATION**

The manufacturers shall be responsible to deliver and properly stack the pipe a purchaser's location, using its own manpower and machines.

Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) -- Distribution Central	Mr. Arslan Hafeez (SE) -- P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM S&T Lower Sindh - Central	A/SGM Technical Services	A/SGM S&T Lower Sindh East & West	A/SGM Transmission

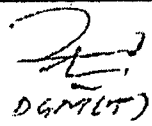
## 19 TRANSPORTATION

19.1 Handling loading and shipping procedures shall comply with the following API Recommended Practices for Transportation of Line Pipe:

- API RP 5L1 - Recommended Practices for Railroad Transportation of Line Pipe
- API RP 5L5 - Recommended Practices for Marine Transportation of Line Pipe

19.2 Packing method and materials shall adequately protect the pipe and coating, if any, from damage during packing and transport. Recessed steel end protectors shall be fitted to each end of all the pipes to facilitate handling by hooks.



Reviewed By	Mr. Greesh Kumar (DCE) / Muhammad Adnan (SE) – Distribution Central	Mr. Arslan Hafeez (SE) – P&D Transmission	Mr. Mehboob Ali (Manager) - Transmission	
Approved By	A/SGM SBU Lower Sindh – Central	A/SGM Technical Services	A/SGM SBU Lower Sindh East & West	A/SGM Transmission

## Checklist for Bidders

Enquiry No. : \_\_\_\_\_

Opening Date : \_\_\_\_\_

Time : \_\_\_\_\_

Phone No. \_\_\_\_\_

M/s. \_\_\_\_\_

Please ensure before submitting the bid, that following information / documents have been submitted / provided along your bid check { }

appropriate bod.

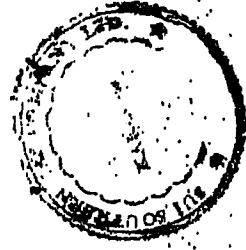
Sr. #	Details of required information / documents	Yes	No
1.	Fixed Bid Bond as specified is enclosed.		
2.	Original Technical literature is enclosed, if any		
3.	Any change in your current address, phone, fax no. & email etc are intimated		
4.	Bid validity as specified is mentioned.		
5.	Delivery period has been specified.		
6.	All correction /cutting/ overwriting are signed & stamped.		
7.	Sample (if necessary) is enclosed.		
8.	Each & Every Page of the bidding documents shall be signed and stamped by the bidder.		
9.	Original Bid + One copy is submitted.		
10.	Form-X & Bid Securing Declaration duly signed & stamped		

### Note:

Non-availability of the above information/documents, or incomplete/incorrect statement on this checklist may result in rejection of the bid at / after the bid opening.

As per SRO296(I)/2023 dated 08th March 2023 "E-Pak Procurement Regulations, 2023" all bidders are advised to register in e-Pak Acquisition and Disposal System (EPADS).

Bidders Authorized Representative



**Tender Enquiry No. SSGC/LP/  
Special Conditions of Tender Document**

**Note: In case of any conflict between Special Conditions of Tender Document and any other terms & conditions, the Special Conditions of Tender Document will govern / prevail.**

**1. Warranty / Guarantee Coverage**

- i) The successful bidder / supplier guarantee that the goods supplied against above tender enquiry are in all respect in accordance with the tender specifications & Purchase Order and that material used are in accordance with the latest approved standards and are of good workmanship / quality. Any item or part of item if found to be substandard or not meeting the specified criteria as per inspection carried out at stores. Then in such as event the Supplier / bidder hereby warrants and undertake to replace the same on Duty Delivery Paid (DDP) basis (INCOTERMS 2010) i.e. Free of all cost including but not limited to transportation. Taxes and levies. In case successful bidder / supplier failure to replace the defective item / remove the defect(s) free of cost within the period specified by the Purchaser, the successful bidder / supplier will refund the relevant cost including all other expenses incurred by the purchaser in this regard.
- ii) The successful bidder / supplier must confirm that the warranty for non-consumable items will remain valid for 18 months and for consumable items (i.e. Chemical, Battery etc.) will remain valid for 6 months after the goods have been successfully delivered or commissioned.
- iii) It is mandatory that the successful bidder / supplier will submit the attached undertaking at Annex-I, duly filled, signed & stamped.
- iv) In case where performance guarantee is not applicable, the supplier shall confirm that all supplied goods under the contract / purchase order are new, unused, of most recent or current models and incorporate all recent improvements in design and goods unless and otherwise provided in the contract / purchase order.
- v) The Warranty Undertaking being provided by the successful bidder is required to be submitted at least on Rs.200/- Non-judicial Stamp paper and should be duly notarized / attested.
- vi) In case of Supply, Installation, Testing & Commissioning, since all these activities are inter-related to each other, therefore, the payment of supplies will be released after successful installation, Testing & Commissioning

**2. Bid Security:**

- a) Bid bond submission (2%) of the bid amount as mentioned in the clause 9 of General Terms & Conditions, to be treated as null & void, however, other contents of clause 9 will remain unchanged. The submission of fixed amount of Bid security is appearing in the Schedule of Requirement Bid Form.
- b) All the bidders are advised to furnish fixed bid security (Original Instrument) as per amount appearing in Schedule of Requirement Bid Form, failing which their bid will be rejected.
- c) The submission of fixed amount of bid security is also mandatory for all the bids valuing Rs.500,000/- or less.
- d) The word lowest bidder or the lowest evaluated bid has been substituted to read as most advantageous bid.
- e) Sub-clause 9.2 of the General Terms & Conditions to be treated as null & void, however, other contents of clause 9 will remain unchanged.

**3. Method For Submission of Bid Bond (Under Single Stage Two Envelope Bidding Procedure):**

In case of Single Stage Two Envelope Tenders the fixed bid bond as per clause #09 of General Terms & Conditions to be placed in the Technical Proposal. However, if the bid bond is placed in the financial proposal will also be considered. Without submission of bid bond (either in Technical proposal or financial proposal) the bid will be rejected.

**4. Bid Validity:**

All offers shall remain valid up to 120 days from the date of opening of bids and bid bond shall remain valid for 150 days.

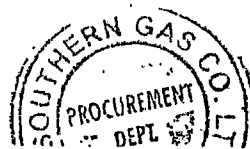
**5. Declaration / Integrity Pact / Certification:** It is required to be submitted by the Successful Bidder on their letterheads after issuance of Purchase Order (PO) or Letter of Intent (LOI), for the value of Rs.10,000,000/- (Ten Million) or above. ANNEXURE-C is a mandatory requirement for successful bidder.

**6. Stamp Duty:**

"The Successful Bidder shall provide the copy of challan and revenue stamp, of value at the rate of twenty five (25) paisa per every hundred Rupees or part thereof of the amount of the purchase order, or at the prevailing rate as specified by the Government of Province of Sindh." Further as per Government of Sindh Board of Revenue notification NO.CIS/SWB/BOR/R&T-17/2022-808 dated 08-06-2022 all judicial and non-judicial stamp paper of the denomination of rupee five hundred and above shall be exclusively on e-stamp.

**7. Cancellation of Purchase Order**

In case the supplier fails to deliver the material within the specified delivery schedule as given in Purchase order (P.O.) and maximum upto 120 days after the expiry of the specified delivery schedule as per Purchase Order, the Purchase Order will be treated automatically as cancelled at supplier's sole risk & cost. However, for the sake of



clarity liquidated damages (Clause-27 of General Terms Conditions) and Default by Supplier (Clause-28 of General Terms Conditions) will be treated as given in the General Terms & Conditions of the tender documents.

#### **8. Correct Postal Address.**

Bidder are essentially required to provide correct and latest postal, e-mail & web addresses, Phone/cell/fax numbers at the time of purchase of tender documents for effective and timely communication, failing which in event of any non-delivery of information/communication the procuring agency will not be held responsible and bid will be considered as non-responsive.

9. "In case the local agent requires to offer bid from more than one principal / Manufacturers, it is mandatory to purchase separate tender document for each principal / Manufacturer, failing which the bid submitted with the original tender document will only be accepted and the bid with photocopy of tender document will be rejected".

10. "Original counter slip of token which is issued with original tender document to be attached on the TOP of envelope at the time of bid submission".

11. The Successful Contractor(s) / Consultant(s) shall submit a copy of Professional Tax Certificate with their invoice / Bills failing which the payment will not be released.

#### **12. Blacklisting Mechanism of Suppliers and Contractors and their Local Agent:**

Black listing mechanism is attached separately in the tender documents which will become an integral part of Tender Documents and now be followed / enforced in true letter & spirit and supersede the Black listing terms as mentioned in the General Terms & Conditions.

#### **13. Bid Bond & PBG (Performance Bank Guarantee) for Proprietary Tenders**

In case of proprietary Tenders, the Bid Bond & Performance Bank Guarantee (PBG) are not required / Applicable.

14. Any Bidder who change / amend the BOQ or Price Schedule (description, Quantity, UOM etc.) will render the bid as conditional bid and will be liable for rejection.

15. Clause 14.1 of General Terms & Conditions is meant for vendorized items processed through negotiated tendering clauses.

16. For open competitive bidding if the most advantageous bidder is new local manufacturer, 10% trial order will be placed and remaining 90% order will be awarded to the next most advantageous bidder at their own quoted rates.

17. SSGC will not pay invoices if they are turned in after 6 months of work completion / material delivered.

18. It is mandatory for the bidders to follow all the terms and conditions given in the tender documents without any addition / deletion / amendment and submit the bid accordingly. Therefore, in this context, the bidders are requested not to give their own terms and conditions as it tantamount towards the conditional bid. Otherwise their terms and conditions will not be considered and the Purchase Order / Contract will be awarded based on only as per SSGC tender terms and conditions.

19. The bidders/contractors are required to provide their only one Bank Account number (IBAN number) on the 'FORM-X' attached duly signed & stamped as one time information, which shall be firm (not changeable) for all the future payment transactions.

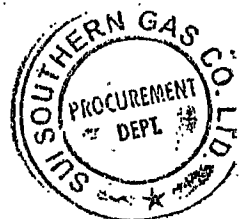
#### **20. Payment:**

The supplier after delivery of goods and its acceptance shall submit invoice to Finance Department of the Company, containing following information i.e.

- (a) Purchase order No. & date
- (b) Items
- (c) Quantity
- (d) Price
- (e) Invoice value
- (f) Point of delivery
- (g) Delivery challan indicating delivery date, etc.
- (h) Supplier(s) are required to submit signed and stamp acknowledgement slip, Sales Tax return, Annex "C" & Annex "I" (whichever applicable) in which Sales Tax (of relevant Sales Tax invoice) is paid..

Payment will be made within 30 days of completion of stated requirements.

21. **Joint Ventures:** In the event that the bidder is bidding as a Joint Venture, the Company will require the joint venture agreement duly executed by the parties to the Joint Venture to be submitted with the bid. The joint venture parties shall also furnish an undertaking to be jointly and severally liable for all liabilities arising out of obligation under the Purchase Order / Contract. The Joint Venture agreement of the parties must specify share of each partner and name of the lead partner along with their registration with the FBR, SST and BST as the case may be failure to specify these two narrations the joint venture agreement will not be entertained.
22. **Bank Guarantee (Bid Bond Guarantee/Performance Bank Guarantee) will be made on Non-Judicial stamp paper at the prevailing rate as specified by the respective Provinces. Further the bidder/contractor submitting the Bid Bond guarantee/Performance Bond guarantee being prepared by the State Bank's schedule banks should ensure that there should be no**



deletion/insertion/alteration/modification of any terms in the Bid Bond/PBG guarantee format as given in the tender document or else bid will be liable for rejection.

23. In case the insurance policy submitted by the contractor is expired during the execution of job, it is the responsibility of the user department to coordinate with the contractor to get it renewed/updated till the period the job is completed/commissioned.

In case the job is not completed within the given time as per tender terms and the insurance policy submitted by the contractor expires, the contractor is liable to get this insurance policy renewed / updated immediately till the period of the job is completed / commissioned as per tender terms failing which the contractor will be responsible for any loss to SSGC.

24. Bidders can quote their rates on both i.e. Schedule of Requirement/Bid Form as well as Bill of Quantity (BoQ).

25. Company reserve the right to award the Purchase Order /LOI to the most advantageous bidder.

26. As per SRO 592(I)/2022 of PPRA Regulations, for Procurement Contracts/Purchase Orders worth of Rs. 50 million and above, bidders/contractors are required to submit the Beneficial Owner's Information for Public Procurement Contracts/Purchase Orders (Annexure-I).

**27. Fixed Bid Security – Alternative Bid**

A bidder cannot submit two bids/offers with a single fixed bid security/pay order. However, the alternative bids/offers with separate fixed bid security/pay order can be accepted, failing which the bids will be liable for rejection. In case the bidder quote different make/brands/model that will also be considered as an Alternative bid/offer and require to submit separate Bid bond for each make/brand/model.

28. Bidder will be blacklisted and henceforth cross debarred for participating in respective category of Public Procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration (which is an integral part of tender document), however, without indulging in corrupt and fraudulent practices, if in breach of obligation(s) under the Bid conditions:

- a) The bidder have withdrawn or modified their bid during the period of bid validity as specified in the tender terms.
- b) Having been notified of the acceptance of bid by procuring agency during the period of bid validity (i) failure to sign the contract or accept purchase order (ii) fail or refuse to furnish the performance security or to comply with any other condition as mentioned in the tender document.

29. The term "Call Deposit Receipt" mentioned in clause # 09 (Bid Bond) of General Terms & Conditions and in clause # 02 (Bid Bond) of Additional Terms for Tenders on F.O.B & C&F basis be treated as null & void.

30. Wherever the "Rate Only" is mentioned (either on BOQ or anywhere in tender documents) the same shall only be applicable not exceeding 15% of the original procurement for the same items as given in the BOQ for package basis. In case the requirement is on item wise basis (not package basis) then not exceeding 15% of the original Procurement for the same items (on item wise basis) as given in the BOQ.

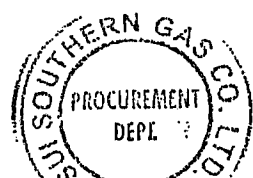
31. Lots: In case when the tender is floated on LOT basis, following clauses to be applied:

- a) The bidder(s) are essentially / mandatorily required to submit fixed bid bond as mentioned in the bid form/BOQ/Invitation to Bid. Separate fixed bid bond to be submitted against each individual LOT and its validity to be 150 days at the time of opening of technical proposal.
- b) Evaluation for each LOT will be carried out separately. Each LOT will be awarded separately.

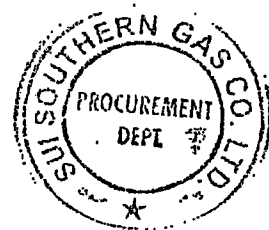
32. Subsequent to the issuance of Purchase Order/LOI, successful bidder has to submit 10% Performance Bank Guarantee of the Purchase Order/LOI value unless & untill specified in the Tender Documents. Clause# 16.1.5 mentioned in General Terms & Conditions to be treated as null & void.

33. Redressal of Grievances And Settlement of Disputes:

- Any bidder feeling aggrieved by any act of the procuring agency after the submission of his bid may lodge a written complaint concerning his grievances within seven days of announcement of the technical evaluation report and five days after issuance of final evaluation report.
- In case, the complaint is filed against the technical evaluation report, the GRC shall suspend the procurement proceedings.



- In case, the complaint is filed after the issuance of final evaluation report, the complainant cannot raise any objection on technical evaluation of the report. Provided that the complainant may raise the objection on any part of the final evaluation report in case where single stage single envelope bidding procedure is adopted.
34. The sub clauses 33.2, 33.4 & 33.5 of clause 33 of General Terms & Conditions to be treated as null & void.
35. All the bidders are allowed to participate in the subject procurement without regard to nationality/origin, except bidders of some nationality/origin, prohibited in accordance with policy of the Federal Government. Following countries are ineligible to participate in the procurement process:
- India
  - Israel





## Form of Bid-Securing Declaration

[The Bidder shall fill in this Form in accordance with the instructions indicated.]

Date: [date (as day, month and year)]

No.: [number of Bidding process]  
Alternative No.: [insert identification No if this is a Bid for an alternative]

To: [complete name of Procuring Agency]

We, the undersigned, declare that

We understand that, according to your conditions, Bids must be supported by a Bid-Securing Declaration.

We accept that we will be blacklisted and henceforth cross debarred for participating in respective category of public procurement proceedings for a period of (not more than) six months, if fail to abide with a bid securing declaration, however without indulging in corrupt and fraudulent practices, if we are in breach of our obligation(s) under the Bid conditions, because we:

- (a) have withdrawn our Bid during the period of Bid validity specified in the Letter of Bid; or
- (b) having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid validity, (i) fail or refuse to sign the Contract or (ii) fail or refuse to furnish the Performance Security (or guarantee), if required, in accordance with the ITB.

We understand this Bid Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder, or (ii) twenty-eight days after the expiration of our Bid.

Name of the Bidder: \_\_\_\_\_

Name of the person duly authorized to sign the Bid on behalf of the Bidder: \_\_\_\_\_

Title of the person signing the Bid: \_\_\_\_\_

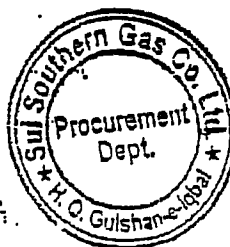
Signature of the person named above: \_\_\_\_\_

Date signed: \_\_\_\_\_

\* In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

\* Person signing the Bid shall have the power of attorney given by the Bidder attached to the Bid

[Note: in case of a Joint Venture, the Bid-Securing Declaration must be in the name of all members to the Joint Venture that submits the Bid.]



Supplier code: \_\_\_\_\_

**FORM-X**

**Bank account details form for all Beneficiaries**

**(Mandatory requirement for Digital Online Banking)**

As per FBR Regulations ref # C.No.4 (24) IT-Budget/2021-142150-R dated 23<sup>rd</sup> Sept'2021 to make the payment online w.e.f. 01-11-2021. All beneficiaries are required to fill in the below details, which is mandatory:

Name of Firm: \_\_\_\_\_

Address of Firm: \_\_\_\_\_  
\_\_\_\_\_

CNIC #: \_\_\_\_\_

NTN #: \_\_\_\_\_

Bank Name: \_\_\_\_\_

Bank A/C Title name: \_\_\_\_\_

Branch code: \_\_\_\_\_

Bank A/c #: \_\_\_\_\_

(16 Digits)

Bank IBAN #: \_\_\_\_\_

(24 Digits)

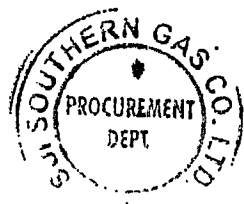
☐ Information already submitted.

**Note: Please be attached copy of Cheque / Account Maintenance Certificate.(Mandatory)**

\_\_\_\_\_  
Authorized Sign & Stamp

Date: \_\_\_\_\_

**Note: All payments transactions will be made on above mentioned Account details. This is only a one time information to be provided by the all beneficiaries. Incase if the above detail has already submitted, please tick the box above "Information already submitted" and also ensure Form-X is duly signed & stamped.**



**Declaration of Ultimate Beneficial Owners Information for Public Procurement Contracts.**

1. Name
2. Father's Name/Spouse's Name
3. CNIC / NICOP/Passport No.
4. Nationality
5. Residential address
6. Email address
7. Date on which shareholding, control or interest acquired in the business.
8. In case of indirect shareholding, control or interest being exercised through intermediary companies, entities or other legal persons or legal arrangements in the chain of ownership or control, following additional particulars to be provided:

1	2	3	4	5	6	7	8	9	10
Name	Legal form (Company/Limited Liability Partnership /Association of Persons/Single Member Company/Partnership Firm/Trusted/Any other Individual, Body Corporate (to be Specified)	Date of Incorporation / Registration	Name of Registering Authority	Business Address	Country	Email Address	Percentage of shareholding, control or interest of 30 in the Legal Person or Legal Arrangement	Percentage of shareholding, Control or Interest of Legal Person or Legal Arrangement in the Company	Identity of Natural Person who Ultimately owns or Controls the Legal Person or Arrangement

9. Information about the Board of Directors (details shall be provided regarding number of shares in the capital of the company as set opposite respective names).



Page 11

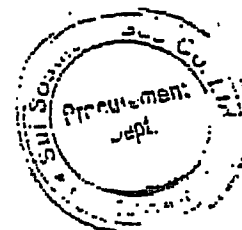
THE GAZETTE OF PAKISTAN, EXTRA, MAY 14, 2022

1	2	3	4	5	6	7	8
Name and surname (in block letter's)	CNIC no (in case of foreigner Passport No)	Father's / Husband's Name in Full	Current Nationality	Any other Nationality lies)	Occupation	Residentially address in full of the registered / principle office address for a subscribers other than natural Person	Numbers of shares taken by cash subscribers (in figures and words)
			Total numbers of shares taken (in figures and words)				

10. Any other information incidental to or relevant to beneficial owners).

Name and signature

(Person authorized to issue notice on behalf of the company)



SSGC

Sui Southern Gas Company Limited (SSGCL)

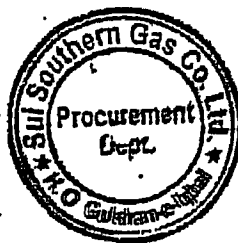
Contents

Part - A

Section - 1	General Terms & Conditions	Included
Section - 1A	Additional Terms & conditions for FOB /C&F	Included
Section - 2	Special Terms & Conditions	Included /Not required
Annexure-A	Format of Bid Bond Bank Guarantee	Included
Annexure-B	Format of Performance Bank Guarantee	Included
Annexure-C	Declaration by Supplier	Included /Not required

Part - B

Section - 3	Bid Form (Schedule of requirement)	Included
Section - 4	Specifications/Drawing (if applicable)	Included /Not required



SSGC

**SUI SOUTHERN GAS COMPANY LIMITED**  
**Procurement Department**

M/s. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Tender Enquiry No. \_\_\_\_\_

**INVITATION TO BID**

Sui Southern Gas Company Limited, (SSGCL) has pleasure in extending you an invitation, to submit bid for the subject material according to Terms and Conditions specified in the attached Tender Document. Please read following instructions before submission of bid:

1. Bids are to be submitted in sealed envelope provided with the tender, indicating Tender Enquiry Number & its opening date and time on the face of the envelope.
2. Bid Bond @ 2% of the total FOR / FOB value shall be enclosed with the bid without which bid will be rejected and returned to bidder unannounced. The Bid Bond shall remain valid till the last date of the month in which it is expiring.
3. In case the bid opening date falls on a holiday or due to some unavoidable circumstances, it is not possible to open on scheduled date, it will be opened on next working day at the same time and at the same venue.
4. The bidder shall bear all expenses associated with the preparation and delivery of its bid sample and the Company will in no case be liable in this respect.
5. Prospective bidder requiring any information or clarification of the tender may notify the same by fax or at the mailing address. The Company will respond to any request for explanation or clarification, if received within reasonable time prior to submission of bids.
6. The Company reserves the right to cancel, add, delete or amend tendered items/quantities/any part of the tender during the bidding period without assigning any reason. However, bidders shall be informed about it prior to bid opening/process.
7. The Company reserves the right to accept or reject any bid or part of a bid or to annul the bidding process and reject all bids at any time prior to award of contract/purchase order without thereby incurring any liability to the affected bidder(s).
8. In case of Single stage two (02) envelope bidding procedure (if mentioned in press advertisement & Tender document), sealed technical offer & sealed bid shall be submitted in separate envelopes Bid Bond will be enclosed with "commercial" bid. "Technical Proposal" and "Financial Proposal" is to be mentioned on the top of the envelope. Technical offers will be opened and evaluated first. Financial offers of only technically compliant bidders will be opened at a later intimated date in presence of bidder's representatives. Financial proposal of technically non-compliant bidders will be returned un-opened along with their bid bond.
9. For Tenders invited on F.O.B/C&F basis, conditions as mentioned in Section-1A will also apply.
10. The Company will appreciate confirmation by fax No 92-21-99231583 or email at mmte@ssgc.com.pk or to DGM (Procurement) of your intention to submit the bid and if not interested in submission of bid, it will be appreciated if it is intimated through fax or email with mentioning of reasons.
11. Bids are required to be submitted at:

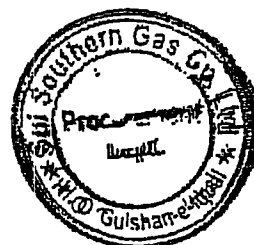
Tender Room, CRD Building, Head Office Complex, Sir Shah Suleman Road Gulshan-e-Iqbal, Karachi Pakistan. Ph. 0092-21-99021024, 0092-21-99021223, 0092-21-99021279, 0092-21-99013074, Fax # 0092-21-99231583, Email: mmte@ssgc.com.pk

Hope and look forward for your valued participation.

Thanking you

Yours sincerely

\_\_\_\_\_  
General Manager (Procurement)



## Section - I

## General Terms &amp; Conditions

## 1. Submission of bids:

- 1.1. Bids are to be submitted in sealed envelope provided with the tender (in such a manner that contents are fully kept enclosed and cannot be seen until opened) indicating tender enquiry number, its opening date and time on the top of the envelope. Envelopes shall be addressed to General Manager (Procurement Department) on the address provided on "invitation to bid". Envelope shall indicate the name and address of the bidder for returning the bid in case it is declared late or submitted without bid bond.
- 1.2. Sealed bids (as above) shall be mailed/submitted/dropped in tender box placed at Tender Room, CRD Building, SSGC Head Office. Bids are to be delivered on or before closing time after which bid will not be entertained. In case bid is sent through courier, the same shall be delivered at least half an hour before scheduled opening time.
- 1.3. The Company may at its discretion extend the closing date for the submission of bids, in which case all rights and obligations of the purchaser and bidders previously subject to the closing date will thereafter be subject to the date extended. However, any request for extension received from prospective bidders less than one week prior to bid opening date may not be entertained. In case of extension in bid opening date, the same will be advertised in press and simultaneously shall be intimated to prospective bidder who had purchased the tender documents.
- 1.4. The bid shall contain no interlineations, erasures or overwriting except as necessary to correct the errors made by the bidder, in case of any correction etc. it shall be signed and stamped by the person signing the bid.
- 1.5. The quoted price shall be inclusive of all duties/taxes except GST, which is to be mentioned separately. The supplier shall declare (if applicable) regarding non-applicability of GST for which documentary evidence shall be enclosed or could be produced upon demand.
- 1.6. Rates shall be item-wise, as given in price schedule/schedule of requirement/Bid Form unless otherwise specified.
- 1.7. Bidder is responsible for timely delivery of bids at location specified 1.2 above. Company will not be responsible for misplacement/ tampering/non-attendance/delay or any other incident in case the bid is not delivered at the designated place & time.
- 1.8. Any bid received late after the closing date and time, will be rejected and returned unopened.
- 1.9. The quotation shall only be acceptable on/as per Bid Form. In case for foreign tender when Local Agent submits bid on behalf of different bidders, a separate Bid Bond for each Bid is required. Likewise for tender when bidder submit alternative bids a separate bid bond for each bid is required or else bid will be liable for rejection.
- 1.10. Deviation from tender terms and conditions is not allowed. However, in unavoidable circumstances, these shall be mentioned at the bottom of "Section 3: Bid Form" deviation on any other page will not be entertained.
- 1.11. Discount offered (if any) shall be mentioned on the "bid form" only.
- 1.12. The bidder(s) or their authorized representative shall put his full signature with stamp & date on each page of tender document as well as enclosure vis-a-vis drawings, specifications etc. Any correction, overwriting shall be duly signed & stamped.
- 1.13. The bid is to be completed and returned to the Company in accordance with, General terms & conditions. General terms & conditions duly signed & stamped (as a token of acceptance) shall be submitted along with Bid Form (Price schedule) duly completed as per requirement. However, specifications/drawing is to be retained by bidder for their future references.

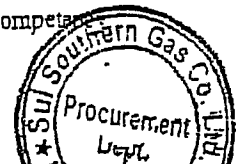
## 2. Eligible Countries / bidders:

The invitation for bids is open to all manufacturers/suppliers/stockiest/dealers/pre-qualified bidders but is not applicable to those countries where inter trade protocols with Pakistan do not exist or those countries from where imports are not allowed by Government of Pakistan.

## 3. Qualification/Disqualification of Suppliers:

The Company, or any stage ~~Please Follow the Attached~~ ~~Black Listing Mechanism~~, having credible reasons for or proof of evidence of any defect in supplier's ~~Black Listing Mechanism~~ may require the suppliers or contractors to provide information regarding their professional, technical, financial, legal or managerial competence.

**Please Follow the Attached  
Black Listing Mechanism**



SSGC

whether already pre-qualified or ~~Not~~ **Follow the Attached Bidding Mechanism** Company shall disqualify a supplier or contractor if it finds, at any time that the information regarding the qualification of the supplier or contractor was false and materially inaccurate or incomplete.

4. **Joint Ventures:**

In the event that the successful bidder is a joint venture (formation of two or more companies), the Company will require an undertaking on judicial stamp paper that the parties to the joint venture accept joint and several liabilities for all obligations under the purchase order/contract.

5. **Clarification of tender documents:**

Prospective bidders requiring any further information or clarification of the tender documents may notify, the Company in writing or by fax or at the Company's mailing address indicated in the "invitation to bids". The Company will respond in writing to any request for information or clarification of the tender documents, if received five working days prior to closing date for the submission of bids prescribed by the Company. The Company response (including an explanation of the query) will be sent in writing or by fax/e-mail to all prospective bidders who have purchased the tender documents. Verbal instructions/reference will not be acceptable.

6. **Modification and withdrawal of bid:**

- 6.1 The bidder may modify or withdraw its bid after the bid submission, provided the written notice of the modification or withdrawal is received by the Company prior to the deadline prescribed for submission of bid. After the bids/quotations are opened, no bidder shall be allowed to revise, propose or request any change in the bid.
- 6.2 The bidder's modification or withdrawal notice shall be sealed and addressed to GM (P). A withdrawal notice may be sent by fax followed by a signed copy.
- 6.3 Bids once opened cannot be withdrawn during validity period.

7. **Bid validity:**

All offers shall remain valid up to 90 days (120 days in case of Two Envelope bidding procedure) from the date of opening of bids, until any further extension agreed by the bidder. If the bidder agrees for extending bid validity the bid bond shall also be extended accordingly. A bidder giving extension to his bid validity will not be required or permitted to modify his bid. If there will be any query/clarification or extension request asked by the Company, the bidder should reply the same within 7 days after receipt of the same and if bidder takes more than 7 days the delay in reply will be added to their bid validity period.

8. **Rate Escalation:**

8.1 **All items except line-pipe:**

Quoted prices shall remain valid, firm, irrevocable and fixed till the fulfillment of obligations by the bidder and will not be subject to escalation / change on any account.

8.2 **Line-pipe only:**

- 8.2.1 Bidders are essentially required to submit detailed breakdown of rates indicating per ton price of:
  - a) H.R. Coil.
  - b) All other charges (including wastage, transportation, conversion cost etc).

- 8.2.2 Rate / price offered by the bidders shall be firm and irrevocable. However bidder offering pipe manufactured from Pakistan Steel Mills (PSM) HR coil are required to submit certified documentary evidence of HR coil rates. Adjustment in line-pipe rates (from the bid opening date till the currency of order) due to change in rate of HR coil manufactured by PSM is admissible to the extent of raw material cost without wastage. The bidders are required to submit certified documentary evidence of HR coil rates published by PSM, at the time of submission of bids. SSGC may verify the document / rates from PSM.

- 8.2.3 The variation clause however shall not be applicable on line-pipe quantities which were delivered within 20 days of the announcement of the variation (both days inclusive) in price of HR coil by PSM.





8.2.4 The variation clause also shall not be applicable on the line pipe quantities delivered after the specified delivery schedule (total or monthly consignment wise)

8.2.5 No escalation is applicable on line pipe manufactured from imported HR coil.

9. **Bid bond (earnest money):**

Bid bond equivalent to two percent (2%) of the total offer value, in favor of Sui Southern Gas Company Ltd. shall accompany the bid if bid value is above Rs.500,000 in the form of pay order, demand draft, call deposit receipt or a bank guarantee (specimen of bank guarantee is attached at Annexure-A), issued by a scheduled bank in Pakistan. The bid bond shall remain valid for 120 days (150 days in case of Two Envelope bidding procedure) unless specified otherwise. The bid bond shall be returned/refunded to the unsuccessful bidders while the bid bond of the successful bidder shall be retained, till submission of Performance bond (if applicable). Bids without bid bond will not be considered. In case the order value is less than Rs: 500,000 the bid bond in lieu of performance bond will be retained till fulfillment of obligations by the supplier. However, in either case the bidder is responsible to arrange the extension the bid bond validity as per requirement. If bid bond submitted by the supplier is more than 2% of ordered value, it may be replaced with appropriate value. If order value is less than Rs. 500,000, the bid bond will be returned along with the order. Bid bonds of non-compliant bidders may be released during evaluation process. The bid bond may be forfeited if a bidder withdraws the bid during validity period specified by the bidder or if successful bidder fails to:

- Accept purchase order.
- Furnish performance guarantee in accordance with clause 16 of Section 1.
- Supply material as per requirement and delivery schedule.

9.1 In the event of bid bond validity following short of the prescribed period of 120 or 150 days as the case may be either (i) due to extension in the bid submission date or (ii) where so required by the procuring agency, then in such an event it shall be mandatory on the bidder to extend the bid bond validity upto 120/150 days within 30 days of the opening of technical proposal / bid, and / or where so required by the procuring agency.

9.2 In the event of the bid security amount deposited / furnished by the bidder falls short by 10% of the requisite Bid security amount. The procuring agency keeping in view the nature of the procurement may consider and allow the bidder to deposit / furnish the balance 10% amount, provided the bidder does so within 15 days of the opening of the bid. Notwithstanding that all other terms & conditions have been fully complied with.

10. **Opening of bids:**

Bids will be opened in presence of bidders or their authorized agents at the address provided on "invitation to bids". The bidder's representatives who are present shall sign the bid opening sheet (attendance sheet) to mark their attendance/witness. Commercial contents of bids will be announced/recorded in bid opening sheet.

11. **Preliminary Examination of bids:**

- 11.1 The Company will examine the bids to determine their completion, computational errors, provision of guarantees, authorized signature and other related matters.
- 11.2 Arithmetic errors will be rectified on the following basis. Discrepancy between unit price and the total price obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price will be corrected. Discrepancy between total bid amount and the sum of total prices, the total prices shall prevail and the total bid amount will be corrected.
- 11.3 Prior to a composed evaluation, the Company will determine the substantial responsiveness of each bid to the bidding documents. In Company's opinion a substantially responsive bid is the one which conforms to all the terms and conditions of the bidding documents without any material deviation.
- 11.4 Bid determined as not substantially responsive will be rejected by the Company and cannot subsequently be made responsive by the bidder through correction of the non-conformity.



## 12. Clarification of submitted bids:

To assist in the examination, evaluation and comparison of bids, the Company may at its discretion inquire any clarification from bidder about their bid. All responses by bidders shall be provided in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

## 13. Technical Literature & Samples.

The Bidder(s) shall submit the following.

- 13.1 Samples (if applicable/required)
- 13.2 Original or legible copy of technical literature/performance characteristics
- 13.3 Test Certificates (if applicable/required)
- 13.4 Documentary evidence for legal import in case of imported material. (At the time of delivery when quoted on FOR basis)
- 13.5 In case of pipeline operation material bidders must also attach a "proof from supplier/ manufacturer, that goods offered have been used successfully on a high pressure natural gas pipeline elsewhere under tropical climatic conditions."

## 13.6 Specification Compliance Sheet:

Company requires a clause-by-clause commentary on the Specifications, demonstrating the materials responsiveness to those specifications or a statement of deviations and exceptions to the provisions of the specifications, if so required/desired. For purposes of the commentary to be furnished pursuant to above, the bidder shall note that standards for workmanship, material and equipment and references to brand names or catalogue numbers, designated by the Company in the specifications are intended to be descriptive only and not restrictive. The bidder may substitute other authoritative standards, brand names and/or catalogue numbers in its bid provided which demonstrates to the Company's satisfaction that the substitutes are equivalent or superior to those designated in the specifications by the Company.

Bid which does not possess above documents, certificates, etc., may be considered technically Non-compliant.

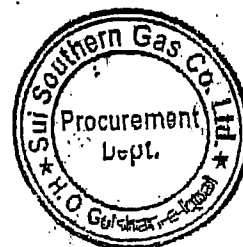
- 13.7 The offer shall be accompanied with all technical data/documents/certifications as required under the tender specifications. Evaluation shall be carried out on the basis of data/ documents/certifications submitted with the bid. No clarification, additional information may be sought / accepted after bid opening.

## 13.8 Deviation to technical specifications:

The bidder shall fill the "technical compliance sheet" and mention offered specifications along with reference to its technical brochure/literature (page/clause No.etc). Statement such as "Compliant" or "Confirmed" is not acceptable. Deviation to tender terms and technical specification is not acceptable. However, if bidder feels to mention minor deviation, the same shall be referred categorically on the "Bid Form" as well as on the technical compliance sheet stating reference of its technical data sheet/brochure. In case of insufficient information, data or documents, the Company is not liable to seek clarification and the bid may be determined non-compliant on provided information.

## 14. Award/Evaluation Criteria:

- 14.1 In case of locally manufactured items e.g. service line material & meter components, manufactured by local vendors, the lowest bidder will be awarded maximum quantity as per his declared capacity and past performance in respect of delivery and quality. New vendors / manufacturers shall also be considered for placement of a purchase order up to a maximum of 10% of the tender quantity if their submitted sample has been tested and approved and provided they have quoted lowest price or agree to accept the order on lowest received price.
- 14.2 Generally for other items other than above, ordering shall be based on technical compliance and lowest quoted price. Supplies may be subject to pre shipment inspection and post qualification by a third party in case of foreign material. If required during the process of manufacturing and / or inspection, SSGCL representative may visit the manufacturer facility to witness the manufacturing / inspection process.



14.3 Evaluation may be carried out both on item or on group of items/single or multiple package basis depending upon the nature of requirement exclusively at the discretion of the company to ensure economic procurement.

14.4 Company reserve the right to settle the final terms of supply with the lowest evaluated and commercially responsive bidder. Any effort by the bidder (s) to influence the outcome of bid evaluation or placement of purchase order may result in disqualification of the bidder.

#### 15. Loading of Bids:

Bids may be loaded with following if offer found to be deviated from specifications, delivery schedule, terms & conditions without stating the amount involved in such deviation by following method:

- 15.1 The cost of compensation /loading amount for that item shall be derived from the bid itself.
- 15.2 If 15.1 is not possible, average of rates of other bidders, who have quoted for that item conforming to technical specification, shall form the basis for cost compensation/loading.
- 15.3 The company will encourage participation by local bidders who will be given price preference. Landed cost factor shall be determined as per prevailing Government policy / SRO. However they will submit details of local value addition on raw material imported by them and percentage of locally manufactured component with documentary evidence.

#### 16. Performance Bond:

- 16.1 In case purchase order value is above Rs:500,000, the successful bidders shall submit performance bond guarantee which is to be submitted within ten days from receipt of LOI or order along with integrity pact. The successful bidder shall submit a performance bank guarantee (PBG) in the form of a pay order or bank guarantee (specimen attached at Annexure-B) issued by a scheduled bank in Pakistan, for an amount equivalent to 10% of the total value of the purchase order or as specified, in the "letter of intent". The performance bond unless specified otherwise; shall remain valid till;
  - 16.1.1 Completion of final satisfactory delivery in case of consumable items.
  - 16.1.2 12-18 months from the date of satisfactory delivery of the equipment/machinery.
  - 16.1.3 Satisfactory delivery/installation of system in case the installation responsibility is on supplier's part.
  - 16.1.4 120 days in case of chemicals.
  - 16.1.5 In case of locally manufacturing item, the PBG equivalent to 3 months delivery schedule will be required after placement of purchase order which should remain valid till completion of final satisfactory delivery of the ordered quantity.
  - 16.1.6 In case of small diameter line pipe (MS/MDPE) the PBG shall remain valid up to 3 months after completion of satisfactory final delivery.
  - 16.1.7 In case of Vehicles, Manufacturer's Warranty is required in lieu of PBG.
- 16.2 The guarantee will be released after completion of this period, subject to satisfactory performance of the supplied equipment/machinery/system as mentioned at 16.1 above. The supplier shall keep the guarantee valid at their cost until fulfillment of the obligations.
- 16.3 In case the bidder does not submit the performance bond as specified, the delivery time of goods shall be deemed to have commenced 10 days (15 days in case of import) from the issuance of letter of intent/purchase order. The proceeds of the performance bond shall be payable to the Company as compensation for any loss resulting from the supplier's failure to complete its work under the purchase order/ contract. The validity period of the performance bond is to be extended if the delivery date/period is being extended mutually by the Company/Supplier.
- 16.4 The performance bond will be discharged / returned by the Company not later than thirty (30) days following the date of completion of the supplier's work under the purchase order/contract including any warranty/guarantee/performance obligations as specified in the special conditions of contract. The supplier shall not be absolved of their liability to perform in case of encashment of performance bond by the Company, who shall have the right to claim and receive all damages/losses incurred due to non-performance.
- 16.5 The Company shall promptly notify the supplier in writing for any claim arising under this guarantee. Upon receipt of such notice, the supplier shall promptly repair or replace the defective goods or parts thereof, without cost to the Company other than, where applicable the cost of inland delivery of the repaired or replaced goods or parts from the port of entry to the final destination.

16.6 If the supplier, having been notified, fails to rectify the defect (s) in accordance with the purchase order/contract, the Company may proceed to take such remedial actions as may be necessary at the supplier's expense. Any amount payable by the supplier under this clause may be recovered by the Company, by withdrawing from the performance bond without having to notify or seek the approval of the supplier.

16.7 Nothing herein contained shall be construed to limit supplier's obligation of performance of the order/contract to the value of the performance bond.

16.8 **Guarantee/Warranty:** In case where performance guarantee is not applicable, the supplier shall confirm that all supplied goods under the contract/purchase order are new, unused, of the most recent or current models and incorporate all recent improvements in design and goods unless provided otherwise in the contract/purchase order. This guarantee shall remain valid for a period of twelve to eighteen months after the goods have been delivered or commissioned.

**17. Purchase Order/Contract:**

Purchase order of quoted material may be placed on fulfillment of conditions mentioned at 14 & 16 above which is through formal confirmation for proceedings with the suppliers.

**18. Assurance:**

The successful bidder will be required to give satisfactory assurance of its ability and intention to deliver the goods, pursuant to the tender enquiry and contract within the time set forth therein.

**19. Force Majeure:**

19.1 In the event of either party hereto being rendered unable, wholly or partially, by force majeure circumstances to carry out its obligations under the purchase order/contract documents, such party shall give notice and full particulars and other satisfactory evidence of such force majeure circumstance(s) in writing or by fax to the other party within 7 days after the occurrence of the cause(s). Relied upon the obligations of the party giving such notice so far as they are affected by such force majeure shall be suspended for the period during cause(s) shall, as far as possible, be remedied and obviated with all reasonable dispatch. The term 'force majeure' as employed herein, shall mean acts of God or public enemy, civil insurrection, fires, floods, earthquakes or other physical disasters, order or request of governments, blockade or embargo. It is, however, clarified that strikes, lockouts, shortage or non-availability of raw materials, rains, and disturbances, other labor dispute or congestion's in ports on the supplier's side shall not be included in the term 'force majeure'.

19.2 In case the force majeure contingencies last continuously for more than one month, both parties will agree on the necessary arrangements for the further implementation of the purchase order/contract. In case further implementation is unforeseeable and impossible, both parties shall arrange for the termination of the purchase order/contract, but without prejudice to their rights and obligations prior to such termination it being understood that each party shall fulfill its contractual obligations so far as they have fallen due before the operation of force majeure.

**20. Amendment in purchase order/contract:**

20.1 The Company may at any time by a written notice to the supplier make changes within the general scope of the purchase order/contract in any one or more of the following:-

20.1.1 Drawings, designs or specifications where goods to be furnished under the purchase order/contract are to be specifically manufactured for the Company.

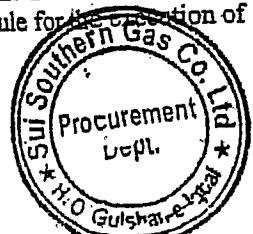
20.1.2 The method of shipment or packing.

20.1.3 The place of delivery.

20.1.4 Quantities of item up to a maximum variance of +15% of purchase order/contract value.

20.2 Company reserves the right to increase/decrease the quantities or delete any or all items listed in the price schedule/schedule of requirement/bid form without assigning any reason.

20.3 Upon notification by the Company of such modifications the supplier shall submit to the Company an estimated cost for the proposed modification within ten (10) calendar days of receipt of notice of the modification and shall include an estimate of the impact (if any) of the modification on the delivery dates under the purchase order/contract, as well as a detailed schedule for the completion of the modification, if applicable.



SSGC

- 20.4 The supplier shall not perform modification in accordance with clause 20.1 above until the Company have authorized a modification order in writing on the basis of the estimate provided by the supplier as described in clause 20.3.
- 20.5 Modification mutually agreed upon shall constitute a part of the work under the purchase order/contract and the provisions and conditions of the contract shall apply to the said modification.
- 20.6 If modification made by the Company results in a variation in purchase order/contract quantities whose net cost effect is within 15% of the total value then the original purchase order/contract rates would be applicable. Any "modification" affecting the quantities and the corresponding cost effect beyond 15 percent would be mutually agreed upon between the Company and the supplier.

**21. Extension in delivery period:**

- 21.1 Delivery of the goods shall be made by the supplier in accordance with the schedule of requirement and delivery period; however, the supplier may claim extension of the time limits as set forth in the schedule of requirements and delivery period in case of
- 21.1.1 Modification in the goods ordered by the Company pursuant to clause 20.
- 21.1.2 Delay in provision of any services which are to be provided by the Company (services provided by the Company shall be interpreted to include all approvals by the Company under the contract).
- 21.1.3 Delay in performance of work caused by orders issued by the Company.
- 21.2 The supplier shall demonstrate to the Company's satisfaction that it has used its best endeavors to avoid or overcome such causes for delay and the parties will mutually agree upon remedies to mitigate or overcome such causes for delay.
- 21.3 Notwithstanding clause 21.1 above, the supplier shall not be entitled to an extension of time for completion unless the supplier at the time of such circumstances arising, immediately has notified the Company in writing of any delay that it may claim as caused by circumstances pursuant to clause 21.1 above and upon request of the Company, the supplier shall substantiate that the delay occurred is due to the circumstances referred by the supplier.

**22. Packing:**

- 22.1 The material shall be in original/sealed packing to ensure delivery without any damage during transit.
- 22.2 If any of the good is discovered to be damaged or unacceptable at the point of embarkation, the supplier shall be responsible for replacement of those goods free of any charge and cost to the Company, within the delivery time schedule of the contract/purchase order.
- 22.3 The identification marks showing contents, quantity and contract/purchase order number shall be printed on each skid/metal container/case containing one copy of invoice & packing list.
- 22.4 **Handling and Transportation:**  
The Supplier shall arrange for the proper stacking of the Goods and for its proper storage and lashing and for other such provisions/suitable measures as may be necessary to safeguard against movement and damage to the Goods from the point of loading to its designated destination.

**23. Inspection:**

- 23.1 Pre-delivery inspection may be carried-out at the premises of supplier(s) and/or post delivery inspection at company's any location, by the appointed inspector/inspection team, third party inspectors appointed by the Company.
- 23.2 The Company reserves the right to arrange inspections and tests to the goods or manufacturing processes at any stage at any of the premises of the supplier or its subcontractor(s) or and at the point of delivery and at the goods final destination. Where conducted on the premises of the supplier or its sub-contractor(s), all reasonable facilities and assistance including access to drawings and production data shall be furnished to the inspectors at no charge to the Company. Such inspection, however, shall not relieve the Supplier to fulfill the obligations under the



purchase order/contract. If goods fail to conform to the specifications, the Company may reject them.

#### 24. Delivery:

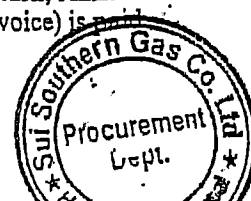
- 24.1 Free delivery at any of the following locations, unless specified otherwise:
- 24.1.1 R & D Section, Stores Department Abul Hasan Isphahani Road Karachi
  - 24.1.2 R & D Section, Stores Department F-37, SITE Karachi.
  - 24.1.3 R & D Section, Stores Department F-76, Dope Yard SITE, Karachi.
  - 24.1.4 Meter Manufacturing Plant, Sir Shah Suleman Road, Gulshan-e-Iqbal Karachi.
  - 24.1.5 Khadeji Store, 57th Kilometer at Super Highway Karachi.
  - 24.1.6 Any other location specified by the company.
- 24.2 Delivery period shall commence after 10 days (15 days in case of import) of the issuance of letter of intent or from the date of purchase order/contract whichever is earlier, unless otherwise specified.
- 24.3 The supplier shall replace defective material at their risk & cost including transportation, duty, taxes etc.
- 24.4 GST Invoice if applicable be submitted at R&D section Stores Department along with material & delivery challan.
- 24.5 Unloading and stacking through cranes, fork lifters, labor etc. will be arranged by supplier at delivery site (for material like Pipes/Heavy Machinery & Equipment etc).
- 24.6 Delivery is to be made strictly in accordance with "delivery schedule" as specified by the Company.
- 24.7 The rejected material is to be collected/lifted by the supplier within a maximum period of one month after its intimation by the Company. Beyond specified period, the Company shall not be responsible for storage/safety of the uncollected material.

#### 25. Delivery Failure:

- 25.1 In case the supplier fails to supply/ship the material within the stipulated period, the Company have the right to make an alternative arrangement for the purchase of the goods on such terms as may be offered. In such event all losses, cost and charges sustained/incurred by the Company on stated purchase shall be recovered from the Supplier without prejudice to any other right or remedy available to the Company which includes recovery of losses sustained by the Company from any due payment of the said supplier.
- 25.2 In the event Company remains unable to make such alternative arrangements, the Company has the right to recover from the supplier any or all losses sustained as a result of the supplier's failure to ship/supply the goods as per schedule of delivery.
- 25.3 In the event Company being forced to purchase any quantity or any other alternative not specified in this document as a result of any failure to supply/ship the material, the Company shall have the right to terminate the contract/purchase order without prejudice to any other rights or remedies available to the Company.

#### 26. Payment:

- 26.1 The supplier after delivery of goods and its acceptance shall submit invoice to Finance Department of the Company, containing following information i.e.
- (a) Purchase order No. & date
  - (b) Items
  - (c) Quantity
  - (d) Price
  - (e) Invoice value
  - (f) Point of delivery
  - (g) Delivery challan indicating delivery date, etc.
- Payment will be made within 30 days of completion of stated formalities.
- 26.2 Income Tax @ 3.5% or as applicable under the prevailing government rules will be deducted at source (except where the supplier provides an income tax exemption certificate). Quoted price shall be inclusive of all taxes, except GST, which shall be mentioned separately. Supplier(s) are required to submit signed and stamp acknowledgement slip, Sales Tax return, Annex "C" & Annex "I" (whichever applicable) in which Sales Tax (of relevant Sales Tax invoice) is paid.



- 26.3 In case supplier is not liable to pay tax under the income tax ordinance or is liable to pay tax at a lower rate the supplier shall obtain a certificate from the tax authorities in Pakistan to that effect. In case the required certificate is not produced by the supplier prior to the date of payment, then the Company shall deduct tax at source from the gross payment payable to supplier.

**27. Liquidated damages:**

- 27.1 If supplier fails to deliver ordered material within the stipulated period/scheduled time specified in purchase order, Company, without prejudice to any other remedies, shall deduct from the bill or any other due payments/guarantees, as liquidated damages, a sum equivalent to 0.1% per day of the undelivered goods up to maximum 10%. The liquidated damages shall also be applicable for the cancelled quantity of goods under clause 28.
- 27.2 Whenever liquidated damages become payable, in the event that delivery of all goods and equipment is not made within the time period specified except on account of force majeure, the Company shall quantify the same and shall serve notice to the supplier requiring payment thereof. If the supplier fails to remit payment within 15 days of receipt of such notice, the Company shall forth-with become entitled to recover the same without recourse to the supplier, by calling upon The Performance Bond, withdrawals by way of liquidated damages shall not reduce the value of the Performance bond.
- 27.3 The payment of liquidated damages shall not relieve the supplier from performing and fulfilling all its obligations under the contract/purchase order nor shall the right and entitlements of the Company be affected or reduced in any manner.
- 27.4 In case of order placed on FOB/C&F basis, the delivery period shall commence from the date of confirmation of L/C. However, delayed submission of PBG period in excess of time limit will be deducted from the delivery period for the purpose of recovery of late delivery charges.
- 27.5 The liquidated damages shall be the sum equivalent to point one (0.1%) percent of the Contract price of the delayed goods as unperformed services for each day of delay, until actual delivery or performance, up to a maximum deduction of ten (10) percent of the Contract price. Once this maximum is reached, the Company may consider termination of the Contract at the risk and cost of the Supplier.

**28. Default by Supplier:**

- 28.1 The Company may, without prejudice to any other remedy by written "notice of default" sent to the supplier, cancel the purchase order whole or in part, if:
- 28.1.1 The supplier fails to deliver any or all of the ordered quantity as per specified delivery schedule or any extension thereof granted by the Company
- 28.1.2 The supplier fails to perform any other obligation(s) under the "purchase order".
- 28.1.3 The Company during the delivery period has reasons to believe that the supplier will not be able to fulfill the obligations under the purchase order/contract. The Company prior to exercising its right to cancel the purchase order/contract shall issue notice to the Supplier specifying the default(s) and the supplier shall submit an explanation within seven (07) days of receipt of such notice. If such explanation is not furnished within the stipulated time or if so furnished, is found to be unsatisfactory and/or the default(s) continues, purchase order/contract may be cancelled. The Company in addition to cancellation of purchase order/contract may suspend/cancel the enlistment of supplier.
- 28.2 The Company shall have the right to terminate/cancel the contract/purchase order concluded between the supplier and Company, if:
- 28.2.1 The successful bidder fails to furnish the performance bond as under clause 16 thereof.
- 28.2.2 The supplier fails otherwise to perform, fulfill or comply with terms, conditions, regulations and requirements of the contract/purchase order to carry out the work in accordance with the provisions thereof or abandons the shipment
- 28.2.3 The supplier becomes bankrupt or insolvent or makes an assignment for the benefit of its creditors.
- 28.2.4 One or more consignments of material delayed by a period of more than three months or non-supplied.
- 28.2.5 Rejection of manufacturing items as a result of observation by inspection team.



28.2.6 Penalty on higher rejection rate of supplied goods.

28.3 The supplier shall have the right to terminate the contract/purchase order if:-

28.3.1 The Company fails to establish the "letter of credit" within the stipulated period as required.

28.3.2 The Company becomes bankrupt or insolvent or makes an assignment for the benefit of its creditors.

28.3.3 The Company is in default and breach of its obligation and liabilities under the contract/purchase order.

**29. Resolution of dispute:**

The Company and the supplier shall make every effort to resolve the disagreement or dispute arising between them amicably by direct discussion under or in connection with the purchase order/contract.

**30. Applicable law:**

The purchase order/contract shall be governed by and interpreted in accordance with the laws of the Islamic Republic of Pakistan.

**31. Declaration/Integrity Pact/Certification:**

31.1 Successful supplier shall furnish the declaration (specimen attached at Annexure-C) within 10 days after issuance of LOI/order /contract if the order/contract value becomes Rs:10 million or above.

31.2 In case of F.O.B/C&F Purchase order/Contract, the Principal as well as "local agent" both will sign the "integrity pact" as required under this clause.

31.3 Bidders to submit a certificate on Rs:100/- non-judicial stamp paper certifying that they are not black listed by the Government/Autonomous bodies and declared as defaulted supplier.

**32. Arbitration/resolution of disputes:**

32.1 Any difference or dispute arising out of or in connection with the contract between the Company and the supplier which can not be amicably resolved shall be referred to arbitration in Karachi, Pakistan, to two arbitrators, one appointed by each party of such difference/ dispute. In case the judgment of the said Arbitrator being at variance, the matter shall be referred to an "umpire", who shall be appointed by both the side Arbitrators. The umpire shall be retired judge of a High Court or the Supreme Court of Pakistan. Such arbitrators and umpire shall together proceed to adjudicate the disputes in accordance with the Arbitration Act, 1940, as amended from time to time.

32.2 Prior to exercising any right by the Company or supplier to terminate the purchase order/ contract under the conditions stipulated above, a return notice shall be required to be given to the other party specifying such default(s) and calling for submission of an explanation within seven (7) days of receipt of such notice. If such explanation is not furnished within the stipulated time or if so furnished, is found to be unsatisfactory, and the default(s) continuous, the purchase order/contract be terminated with notice to other party.

32.3 The agreement shall be governed by Law of Islamic Republic of Pakistan and the arbitration language shall be English.

32.4 During the course of arbitration, the supplier shall not suspend the performance of his responsibilities and obligations under the contract unless authorized by the Company in writing to do so.

32.5 In addition to the remedies as stated above, there is a "grievance committee" formed by the Company which can be approached by supplier in case of non-settlement of issues at any stage if supplier feels that settlement is not insight or not justified.

**33. Redressal of grievances by the procuring agency:-**

33.1 Grievance Committee is in place to address the complaints of bidders that may occur prior to entry into the procurement contract.

33.2 Aggrieved bidder may lodge a written complaint concerning his grievances not later than fifteen days after the announcement of the bid evaluation report.

33.3 Bidder is to submit complaint on letter head duly signed by the authorized person. Tender reference, details / nature of complaint, complainant active telephone, cell, postal address, email





SSGC

address must necessarily be provided. Incomplete / anonymous complaints will not be responded at all.

33.4 The Committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint

33.5 Mere fact of lodging of a complaint shall not warrant suspension of the procurement process.

34. **Blacklisting of Suppliers and Contractors:**

The Company shall permanently blacklist or temporarily debar (at least for 6-months from participating in SSGC's tender proceedings) if, a supplier or contractor who either constantly fails to perform satisfactorily performance or found to be indulged in corrupt and fraudulent practices as defined below:

34.1 Corrupt and fraudulent practices" includes the offering, giving, receiving, or soliciting of anything of value to influence the action of an official/Company.

34.2 If the supplier/contractor found responsible for the detriment of the Company during proceedings of procurement/contract, prior to its execution.

34.3 Misrepresentation of facts in order to influence the procurement process or the execution of the purchase order/contract.

34.4 Collusive practices among bidders (prior to or after bid submission) designed to establish bid prices at artificial, non- competitive levels and to deprive the Company of the benefits of free and open competition.

35. **Supplier's Guarantee and Responsibilities:**

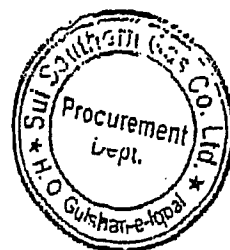
The Bidder/Supplier shall guarantee that the materials supplied against this tender enquiry is new and is of acceptable quality and has been tried and approved on similar jobs. The validity and scope of such guarantee will be in accordance with conditions stated in this document. In case the opinion of the Company the Goods fail to perform the services in accordance with the specifications specified in Section IV due to manufacturing defects/defective material and/or workmanship, the Supplier shall replace, repair or reconstruct such Goods at his own cost in Pakistan wherever the Goods shall be located so that such Goods shall be restored to such conditions that it shall perform in satisfactory operating condition or to replace it with new Goods at Supplier's cost so that the goods shall perform in accordance with the specifications and details as set forth in the Contract/tender documents. If the Supplier shall fail to do so after expiry of 15 days notice to this effect served on him by the Company, the Company shall be at liberty to repair, replace and/or reconstruct the Goods at its costs provided in the event, the Company shall be entitled to recover total cost of such replacement from the Supplier withdrawing from the Performance Guarantee.

36. **Language:**

The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the Company shall be written in English language. Any printed literature furnished by the bidder may be written in another language provided that this literature is accompanied by an English translation in which case for purpose of interpretation of the bid, English translation shall govern.

37. **Vehicle Applied by Authorized dealer of local manufacturer :**

In case of vehicle supplied by authorized dealer of local manufacturer, the authorized dealer will be responsible to get the vehicle (s) registered through Excise Department Government of Sindh and provide Original Registration book / Original Registration Invoice / Tax payment receipt / other related documents & provide the vehicle (s) number plate (s) to SSGC. Registration fee will be reimbursed by SSGC subject to submission of Government of Sindh Excise Department receipt.



**Additional Terms for Tenders on F.O.B & C&F basis:****1. Submission of bids:**

- 1.1 Bid bond (Earnest money) @ 2% of the total F.O.B value as per clause 2, of section 1 of "General terms & conditions" is required to be submitted with the bid. It may be noted that bids without bid bond will be rejected and returned to bidder.
- 1.2 In case the bidder is manufacturer the bid shall either be completely prepared by the foreign bidder including signing and stamping of all documents. In case, such documents are being signed by the local agent of the bidder, the bid shall essentially include supplier's original Performa invoice and an original authority letter in favor of local agent to sign the documents on their behalf. The bid is liable for rejection if these conditions are not met.
- 1.3 In case of Bidder offering to supply goods which the bidder did not manufacture or otherwise produce, the bidder shall be duly authorized by the goods manufacturer or the producer to submit bid or supply the goods on their behalf.
- 1.4 Bids shall be submitted (preferably through local agents) in two copies, (original + copy).
- 1.5 The price on unit FOB and C&F basis is to be quoted separately. Following are to be essentially indicated in the bid form:
  - 1.5.1 Country of origin.
  - 1.5.2 Port of shipment.
  - 1.5.3 Estimated gross/net weight, dimension & volume of offered item and estimated weight of each item.
  - 1.5.4 Delivery period or schedule in case of bulk quantities.
  - 1.5.5 Original technical literature.
  - 1.5.6 Beneficiary's complete address.

1.6 Foreign bank charges and L/C confirmation charges will be borne by the supplier.

**1.7 Bid Currency:**

The rates shall be quoted in bidder's home country or in United States Dollars. A bidder expecting to incur a portion of its expenditures in the performance of the contract in more than one currency and wishing to be paid accordingly shall indicate the same in their bid. However, bidder from Pakistan would be paid in Pak Rupee.

(Clause 1.5 of General Terms & Conditions is not applicable)

**2. Bid bond:**

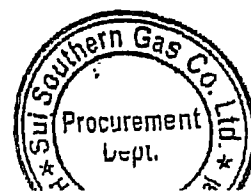
- 2.1 Bid bond shall be equivalent to two percent (2%) of the total F.O.B value, in favor of Sui Southern Gas Company Limited and shall be in the form of pay order, demand draft, call deposit receipt or a bank guarantee (specimen attached at Annexure-A), issued by a scheduled bank in Pakistan. The bid bond shall remain valid for 120 days (150 days in case of Single Stage Two Envelope bidding procedure) unless specified otherwise. The bid bond shall be returned/refunded to the un-successful bidders while the bid bond of the successful bidder shall be retained, till submission of Performance bond. Bids without bid bond will not be considered. In case the order value is less than US\$25,000 the bid bond in lieu of performance bond, will be retained till fulfillment of obligations by the supplier. However, in either case the bidder is responsible to arrange the extension of bid bond validity as per requirement. If bid bond submitted by the supplier is more than 2% of ordered value, it may be replaced with appropriate value. Bid bonds of non-compliant bidders may be released during evaluation process. The bid bond shall be denominated in the currency of the bid or any other freely convertible currency.

- 2.2 Bid submitted on behalf of different principals shall be required to submit separate bid bond along with the bid for each offer.

(Note as mentioned at Clause 9, 9.1 & 9.2 of General Terms & Conditions shall also apply).

**3. Conversion to single currency:**

In order to carry out evaluation and comparison, the Company will convert all bid prices expressed in various currencies to Pak Rupees at the buying exchange rates established by the State Bank of Pakistan or any other commercial bank in Pakistan for similar transactions on the date of opening of bids. In case of Two Envelope Bidding System, the exchange rates prevailing at the time of opening of Technical Proposals will be used for conversion and evaluation.



SSGC

#### 4. Evaluation Criteria:

- 4.1 The evaluation of bids will be carried out on C&F / landed cost basis, however purchase order will be placed on FOB price on freight to collect basis. The bidders are required to submit best freight charges obtained by them from Pakistan National Shipping Corporation (PNSC) in order to have a uniform basis to arrive at C&F cost. Bill of lading to indicate "freight payable by the consignee at destination" in local currency. Foreign currency exchange rate (selling) will be considered as of bid "opening date".
- 4.2 In the case of goods to be offered from outside Pakistan, custom duties and other similar import taxes which are applicable shall be added to the bid.
- 4.3 In case shipment by air it shall be arranged through Company's airfreight forwarder (s) or their nominated agent. "on freight to collect basis".

(Clause No. 14.3 to 14.4 of General Terms & Conditions are also to be applicable).

#### 5. Loading of Bids:

Freight charges from port of loading up to Karachi port or unit C&F value must be indicated in bid form, failing, which bid will be loaded by 5 to 10% freight charges. Bid will be declared non-compliant if loading results an extensive increase in price of material.

(Clause 15 of General Terms & Conditions is also applicable).

#### 6. Performance bond:

- 6.1 In case purchase order value is US\$25,000/- or above or equivalent for other currencies, letter of intent will be issued to successful bidders for submission of performance bond guarantee which is to be submitted within 15 days from receipt of L.O.I. The successful bidders shall submit a performance bank guarantee (P.B.G) in the form of bank guarantee (specimen attached at Annexure-B) issued by a scheduled bank in Pakistan, for an amount equivalent to 10% of the total value of the purchase order or as specified, in the letter of intent. The performance bond unless specified otherwise, shall remain valid till:

- 6.1.1 Completion of final satisfactory delivery in case of consumable items.
- 6.1.2 12-18 months from the date of satisfactory delivery of the equipment/machinery.
- 6.1.3 Satisfactory delivery/installation of system in case the installation liabilities will be on supplier's part.
- 6.1.4 120 days in case of chemicals.

- 6.2 The Letter of Credit shall be operative upon receipt of Performance Bond (as specified in para 6.1) and integrity pact, any delay due to late submission of Performance Bond will be on supplier's account. Late submission of PBG should not affect the delivery schedule.

- 6.3 The performance bond shall be denominated in foreign currency or in currency of the contract/purchase order or in a freely convertible currency acceptable to the Company and shall be in the form of a bank guarantee.

- 6.4 In very special case subject to approval of the management, the P.B.G could be acceptable in Pak Rupee. However, an undertaking should be given by the supplier that in case of encashment of P.B.G. supplier shall deposit short fall amount due to Pak Rupee exchange rate.

#### 6.5 Warranty/Guarantee:

In case where performance guarantee is not applicable, the supplier shall warrant that all goods supplied under the contract/purchase order are new, unused, of the most recent or current models and all recent improvements in design and goods have been incorporated, unless provided otherwise in the contract/purchase order. This guarantee shall remain valid for a period of twelve to eighteen months after the goods have been delivered or commissioned.

(Clause 16.2 to 16.8 of General Terms & Conditions are also applicable).

#### 7. Delivery:

- 7.1 In case of "FOB" order/contract, shipments shall be effected per vessel of Pakistan National Shipping Corporation (PNSC) owned or chartered vessels on "freight to collect" basis. Bill of lading to indicate "freight payable by the consignee at destination". In case goods ready for shipment and the PNSC vessel is



not available at port of loading, supplier shall intimate the same to Company immediately so that matter could be taken with PNSC in Pakistan.

**7.2 In case of C&F order/contract, the supplier hereby guarantees/ensure:**

- 7.2.1 To use clean and dry vessel suitable for marine transportation and shall not use tramp vessels.
- 7.2.2 The goods/material will be shipped/discharged with all care and diligence at their risk & cost and goods to be stored below deck. Accordingly, the supplier shall be responsible for all damages/losses during inland and marine transportation from the supplier's plant until arrival at Karachi port.
- 7.2.3 To provide as part of its work all services and functions related to handling, loading, unloading, lashing and securing in ship's holds and all costs, charges and expenses of which shall be included in the purchase order/contract price, unless otherwise specified.

**7.3 In case of FOB order/contract, the supplier's obligations shall be over after the goods have crossed the ship's rails. The co-ordination, scheduling and lining-up for a PNSC vessel shall be the obligation of the supplier.**

**7.4 The supplier shall reimburse the Company all additional duties, taxes and other such charges paid by the Company on account of short shipment by the supplier for all items subsequently shipped on a no-charge basis or otherwise by the supplier. The supplier shall also reimburse the Company all additional duties, taxes and other such charges paid by the Company on account of incorrect invoicing by the supplier.**

**7.5 Shipment shall be deemed to have been made when the supplier has shipped the goods against a clean bill of lading and all other such documentation, as specified in clause 9.3 & 9.4 appearing next in sequence) have been furnished to the Company.**

**7.6 The supplier shall ensure that all above mentioned acts and other incidental and ancillary functions are conducted in accordance with sound and acceptable engineering practices. The Company shall be entitled to oppose any incorrect or inadequate practice adopted by supplier in this respect and the supplier shall take corrective action/measure forthwith to correct such omissions. If any goods are discovered to be damaged or unacceptable at the point of loading, the supplier shall be responsible for replacement free of all charges and costs to the Company within the delivery period specified in the purchase order/contract.**

**8. Insurance:**

**8.1 All goods supplied under the purchase order/contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in delivery clause 7.**

**8.2 Marine Insurance shall be the responsibility of the Company unless otherwise specified.**

**8.3 The supplier shall advise the Company by fax at least seven (7) days prior to the expected date of shipment, the following particulars:-**

- 8.3.1 Name of the vessel and of the shipping company.
- 8.3.2 Age of the vessel (which should be less than 20 years).
- 8.3.3 Lloyds 100A1 or equivalent classification of the vessel.
- 8.3.4 ETD from Port of dispatch and ETA at Karachi
- 8.3.5 FOB/C&F value of the consignment.

The above information shall also be transmitted to the Company's underwriters, M/s. National Insurance Corporation by fax No. 0092-21-9202779 and to the Company referring Policy No. NIF/M/K/OP/002/73.

**9. Payment:**

**9.1 Payment of FOB/C&F prices shall be made in the currency of bid through an irrevocable letter of credit (L/C) established in favor of the supplier, negotiable through the bank of their choice. Bidder shall indicate full name and address of the negotiating bank and the place at which they wish to negotiate the letter of credit. All bank charges outside Pakistan will be on supplier's account and all bank charges within Pakistan will be at Company's account. If confirmed letter of credit is required then charges for confirmation will be on supplier's account.**

**9.2 The supplier's request (s) for payment shall be made to the Company in writing as follows:**

**9.2.1 It shall be accompanied by an invoice describing, as appropriate, the goods delivered and the services incurred and by shipping documents submitted pursuant to Clause 9.4 hereof and upon fulfillment of other obligations stipulated in purchase order/contract.**

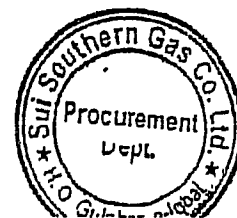
**9.2.2 Against shipping documents on arrival of ordered material at consignee destination. Bidder (s) will have to clearly mention, if they wish to opt for this mode of payment**

**9.3 The letter of credit shall be available upon presenting the following documents to the negotiating bank within 15 days of the date of the bill of lading covering shipment of each consignment:**



# SSGC

- 9.3.1- Invoice ----- 4 copies
- 9.3.2- Packing list ----- 4 copies
- 9.3.3- Bill of lading " freight to be paid by consignee at destination" evidencing shipment in terms of the purchase order to Karachi-Pakistan made copies. out to order in the name of Co.'s bank, Notify party Sui Southern Gas Company Ltd., ----- 3 originals & 6 non-negotiable
- 9.3.4- Certificate of Origin (Verified/ Endorsed by Chamber of Commerce ) ----- 2 copies
- 9.3.5- Manufacturers test certificate/ ----- 2 copies Inspection report.
- 9.4 Without prejudice to the supplier's responsibility for providing documents mentioned as at 9.3.1 to 9.3.5 above to bank, the supplier shall forward the following non-negotiable documents directly to Company immediately after shipment so as to reach the Company at least 15 days prior to the arrival of the vessel at Karachi port.
- 9.4.1 -Invoice ----- 6 copies
- 9.4.2 -Bill of Lading ----- 6 copies
- 9.4.3 -Packing List ----- 6 copies
- 9.4.4 -Certificate of Origin (Verified /Endorsed by Chamber of Commerce) ----- 2 copies
- 9.4.5 -Manufacturers Test Certificate/ ----- 2 copies
- Inspection Report.
- 9.4.6 The invoice to be exactly as per order/contract. Any deviation which render or cause the company to pay demurrage or any other charges with respect to clearance/handling etc. will be borne by the supplier.
- 9.5 No payment hereunder shall be deemed to be accepted by the Company of the goods covered by such payment nor release the supplier from responsibility thereof under the terms of the purchase order/contract.
- 9.6 If the Company is compelled to pay demurrage or storage charges or incurs any loss or suffers any damage at Karachi Port on account of non-compliance by the supplier of above requirements, the Company shall be entitled at their sole discretion to recover the same amount from supplier.
10. Termination of purchases order by supplier:
- 10.1 The supplier shall have the right to terminate the contract/purchase order if:-
- 10.1.1 The Company fails to establish the letter of credit within the stipulated period as required under clause 9.1 hereof after the supplier has made compliance with the provisions of clause 6.
- 10.1.2 The Company becomes bankrupt or insolvent or makes an assignment for the benefit of its creditors.
- 10.1.3 The Company is in default and breach of its obligation and liabilities under the contract/purchase order.
11. Installation/Commissioning/Training:
- If installation/commissioning and training is required, the charges will be paid in Pak Rupee and will be subject to deduction of all local duty and taxes (as applicable).
12. Vehicle (s) supplied by foreign manufacturer / principal:
- 12.1 In case of supply of any type of vehicle (s) / earth moving vehicle (s) by the foreign principal / manufacturer. After clearance of vehicle from the custom, the local agent of the foreign supplier / manufacturer / principal will be completely responsible to get the vehicle (s) registered through Excise Department Government of Sindh and provide Original Registration book / Original Registration Invoice / Tax payment receipt / other related documents & provide the vehicle (s) number plate (s) to SSGC. Registration fee will be reimbursed by SSGC subject to submission of Government of Sindh Excise Department receipt.
- 12.2 The bidder / supplier shall quote only those vehicle (s) / which fully comply to Pakistani environment and can operate in Pakistan. The bidder should ensure that vehicle (s), consumables (fuel/oil & lubricant spares) are easily available in Pakistan.



SSGC

Annexure - A

On Non Judicial Stamp Paper of Rs. 50/- (Fifty) Per 100,000  
Format of Bid Bond Guarantee

BANK GUARANTEE NO.....  
DATE OF ISSUE.....  
DATE OF EXPIRY.....  
AMOUNT.....

Sui Southern Gas Company Limited,  
ST. 4/B, Block-14,  
Gulshan-e-Iqbal,  
Sir Shah Suleman Road,  
Karachi.

SSGC/LP/.....

Dear Sir,

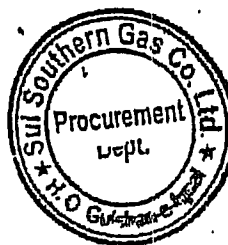
**Bid Bond Bank Guarantee**

In consideration of M/s.....hereinafter called the Bidder  
having submitted the accompanying bid & in consideration of value received from Bidder we hereby agree and  
undertake as follows:

1. To make unconditional payment of Rs..... upon your written demand without further recourse, question or reference to the Bidder or any other person in the event of withdrawal of the aforesaid bid by the Bidder before the end of the period specified in the bid after the opening of the same for the validity thereof or if no such period to be specified within 90 days (150 days in case of Single Stage Two Envelope bidding procedure) after said opening and or in the event that the Bidder shall within the period specified therefore or if no period specified within 15 days after the prescribed forms are presented to the Bidder for signature the Bidder shall fail to execute such further contractual documents if any, as may be required by the terms of the bid as accepted or on the Bidder failure to give the requisite Performance Bond as may be required for the fulfillment of resulting contract.
2. To accept written intimation (s) from you as conclusive and sufficient evidence of the existence of a default of non-compliance as aforesaid on the part of Bidder and to make payment accordingly within 03 days of the receipt of the written intimation.
3. No grant of time or other indulgence to, or composition or arrangement with the Bidder in respect of the aforesaid Bid with or without notice to us shall in any manner, discharge or otherwise, however, effect this Guarantee and our liabilities & commitments hereunder.
4. This Guarantee shall be binding on us and our successors in interest and shall be irrevocable.

Yours faithfully,

(stamp and signature of the issuing bank)



SSGC

Annexure - B

On Non Judicial Stamp Paper of Rs. 50/- (Fifty) Per 100,000  
Format of Performance Bond Guarantee

BANK GUARANTEE NO.....  
DATE OF ISSUE.....  
DATE OF EXPIRY.....  
AMOUNT.....

Sui Southern Gas Company Limited,  
ST. 4/B, Block-14,  
Gulshan-e-Iqbal,  
Sir Shah Suleman Road,  
Karachi.

SSGC/LP/

Dear Sirs,

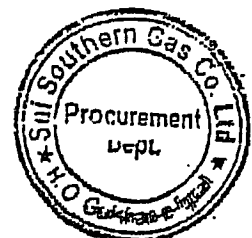
In The Sum of Rs.....Account.....  
To You in Karachi under the Purchase

In consideration of your having placed Purchase Order No.....  
dated..... On M/s..... called Supplier and in  
consideration for value, received from Supplier, we hereby agree and undertake as under:

1. To make unconditional payments to you from time to time as called upon or make an unconditional payments Rs..... Being Ten Percent (10%), of the value of the Purchase Order price mentioned in the said Purchase Order, on your written demand(s) without further resource, question or reference to Supplier or any other person, in the event of default or non-performance and / or non-fulfilment by Supplier of his obligations liabilities & responsibilities under and in pursuance of the said Purchase Order of which you shall be the sole judge.
2. To accept written intimation from you as conclusive and sufficient evidence of the existence of a default or breach as aforesaid on the part of Supplier and to make payment accordingly within 3 (three) days of receipt thereof.
3. To keep this guarantee in full force from the date hereof as specified in General or Special terms & conditions.
4. That on grant of time or other indulgence to amendment in the terms of the purchase order by agreement with Supplier in respect of the Performance of his obligations under and in pursuance of the said Purchase Order with or without notice to us, shall in any manner discharge or otherwise, however, affect this Guarantee and our liabilities and commitments there under.
5. This Guarantee shall be binding on us and our successors in interest and shall be irrecoverable.
6. This Guarantee shall not be affected by any change in the constitution of the Guarantor Bank or the constitution of M/s .....the Supplier.

Yours faithfully,

(stamp and signature of the issuing bank)



## (Format of Declaration)

Annexure - C

General Manager (Procurement)  
Sui Southern Gas Company Limited,  
ST. 4/B, Block-14, Gulshan-e-Iqbal,  
Sir Shah Suleman Road, Karachi.

SSGC/LP/.

Dear Sir,

**Declaration**

(the Seller/Supplier) hereby declares its intention not to obtain or induce the procurement of any contract, right, interest, privilege or other obligation or benefit from Sui Southern Gas Company Limited or any administrative subdivision or agency thereof of any other entity owned or controlled by it (SSGC) though any corrupt business practice.

Without limiting the generality of the foregoing, (the Seller/Supplier) represents and warrants that it has fully declared the brokerage, commission fees etc. paid or payable to anyone and not given or agreed to give and shall not to give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation of benefit in whatsoever form from SSGC, except that which has been expressly declared pursuant hereto.

(The Seller/Supplier) certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with SSGC and has not taken any action or will not take any action in circumvent the above declaration, representation or warranty.

(The Seller/Supplier) accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation any warranty. It agrees that any contract, right interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to SSGC under any law, contract or other instrument, be voidable at the option of SSGC.

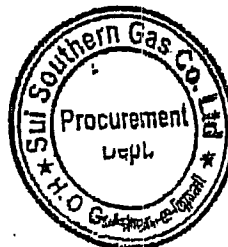
Notwithstanding any rights and remedies exercised by SSGC in this regard, (The Seller/Supplier) agree to indemnify SSGC for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to SSGC in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by (The Seller/Supplier) as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from SSGC.

Yours faithfully,

Signature &amp; Stamp (The seller/supplier)

Note:

1. The above declaration is required to be submitted by the Successful Bidder after issuance of Purchase Order (PO) or Letter of Intent (LOI) on Bidder's letter head, for purchase order / letter of intent of a total value of Rs. 10,000,000/- (Ten million) or above.
2. Please note that submitting the declaration is a mandatory requirement.





**SUI SOUTHERN GAS COMPANY LIMITED  
PROCUREMENT DEPARTMENT**

**BLACKLISTING MECHANISM  
(REVISION-1)**

**1 BACKGROUND**

In pursuance of Rule-19 of Public Procurement Rules, 2004 read with Rule-2(f) (fa) and the criteria for Blacklisting of Suppliers and Contractors / Consultants doing business with the SSGCs is reiterated hereafter to eliminate unfair trade practices.

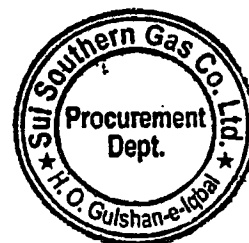
**2 SCOPE**

The procedure shall be applicable and remain in force, along with any amendments thereto, within Sui Southern Gas Company Limited ("SSGC") until any clear instructions or guidelines are impacted by the Government through Public Procurement Regulation Authority (PPRA), Pakistan Engineering Council (PEC), or any other competent forum. The procedure shall also be applicable on the pre-qualified firms. The procedure shall be applicable on any "Person(s) / Firm(s)", which for the purposes of this Mechanism shall inter alia include suppliers, bidders, contractors, consultants, firms, individuals, and organizations transacting business with SSGC. Wherever any provision of this Mechanism shall be in conflict with provisions of any applicable guidelines of donor agencies, or any other applicable Statute / Law or Rule enforced at the time in Pakistan, the provisions of such applicable guidelines, laws, or rules shall prevail. This SOP shall become a part of the future Bidding Documents.

**3 DEFINITION OF TERMS**

- 3.1 "Appellate Authority" - Authority to Appeal against issuance of Blacklisting Order.
- 3.2 "Appeal" - Right of firm/individual to lodge protest against the issuance of Blacklisting Order.
- 3.3 "Procuring Agency" - Any department/division/factory/project exercising general and/or administrative control over the unit.
- 3.4 "Blacklisting Order" - An administrative penalty disqualifying a firm/individual from participating in procurement for a given period.
- 3.5 "Suspension" - The administrative penalty imposed for infractions committed during the competitive bidding stage, whereby such firms/individuals are prohibited from further participation in the bidding process of Procuring Agency.
- 3.6 "Contract Implementation" - A process of undertaking a project or contract in accordance with the contract documents.
- 3.7 "Termination of Contract" - Extinction of contract by reason or resolution or rescission under applicable rules/regulations/laws arising from the default of the firms/individuals.
- 3.8 "Delist" - Removal of supplier/contractor from blacklisting.
- 3.9 "PA-Project Authority" - A three-member committee comprising of User, HSE&QA & Procurement Deptt. to address the issue.
- 3.10 RPC-SSG's Rights Protection Committee - To examine the justification of PC.

Page 1 of 10  
Dated : 12<sup>th</sup> October 2020  
Revision-1 : Dt: 3 Sept 2024



#### 4. REASONS FOR BLACKLISTING

4.1 The following shall comprise the broad multilateral guidelines for blacklisting:

4.1.1 "Corrupt Practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

4.1.2 "Fraudulent Practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

4.1.3 "Collusive Practice" means a scheme or arrangement between two or more bidders, with or without the knowledge of the Purchaser, designed to establish bid price at artificial, non-competitive levels, and

4.1.4 "Coercive Practice" means harming or threatening to harm, directly or indirectly, Person(s) / Firm(s) or their property to influence their participation in the procurement process or affect the execution of a contract.

4.2 In addition to above, blacklisting of firms/individuals may be resorted to when the charges are of serious nature, which include but are not limited to the following:

##### 4.2.1 Competitive Bidding Stage

During the competitive bidding stage, the Procuring Agency shall impose on bidders or prospective bidders the penalty of Suspension from participating in the public bidding process, without prejudice to the imposition of additional administrative sanctions as the internal rules of the agency may provide and/or further criminal prosecution, as provided by applicable laws, for violations committed which include but are not limited to the following:

- i. Submission of eligibility requirements containing false information or falsified documents.
- ii. Submission of bids that contain false information or falsified documents, or the concealment of such information in the bids in order to influence the outcome of eligibility screening or any other stage of the public bidding.
- iii. Submission of unauthorized or fake documents for pre-qualification/ tendering i.e. without specific authorization from the principals/ manufacturers etc.
- iv. Failure of the firm to provide authentic Warranty Undertaking and Performance Invoice of the manufacturers / Principal / Trading house.
- v. Failure of the firm to submit specific authority letter of the Original Equipment Manufacturer (OEM) for participation in a particular tender;
- vi. Unauthorized use of one's name, or using the name of the name of another for purpose of public bidding.
- vii. Deviations from specifications and terms & conditions of the purchase order/contract.
- viii. Withdrawal of a bid, or refusal to accept an award or refusal to perform the job or enter into contract with the government without justifiable cause, after he had been adjudged as having submitted the Lowest Calculated Responsive Bid or Highest Rated Responsive Bid.
- ix. Refusal or failure to post the required performance security within the prescribed time.
- x. Refusal to clarify or validate in writing its Bid during post qualification within a period of seven (7) working days, or as may be specifically prescribed, from receipt of the request for clarification.

Page 2 of 10

Dated : 12<sup>th</sup> October 2020

Revision-1 : Dt: 3 Sept 2024



- xi. Any documented unsolicited attempt by a bidder to unduly influence the outcome of the bidding in his favor.
- xii. Any attempt to give illegal gratification to any representative of the purchaser to influence the process of procurement.

In addition to the penalty of suspension, the bid security posted by the concerned bidder or prospective bidder could also be forfeited / encashed.

#### 4.2.2 Purchase Order / Contract Implementation Stage

During the Purchase Order / Contract implementation stage, the procuring entity shall impose on contractors after the termination of the contract the penalty of suspension from participating in the public bidding process, without prejudice to the imposition of additional administrative sanctions as the internal rules of the agency may provide and/or further criminal prosecution, as provided by applicable laws, for violations committed which include but are not limited to the following:

- i. Failure of the contractor, due solely to his fault or negligence, to mobilize and start work or performance within the specified period in the Letter to Proceed.
- ii. Failure by the contractor to fully and faithfully comply with its contractual obligations without valid cause, or failure by the contractor to comply with any written lawful instruction of the Procuring Agency or its representative(s) pursuant to the implementation of the contract. For the procurement of infrastructure projects or consultancy contracts, lawful instructions include but are not limited to the following:
  - a. Employment of competent technical Person(s) / Firm(s)nel, competent engineers and/or work supervisors;
  - b. Provision of warning signs and barricades in accordance with approved plans and specifications and contract provisions;
  - c. Stockpiling in proper places of all materials and removal from the project site of waste and excess materials, including broken pavement and excavated debris in accordance with approved plans and specifications and contract provisions;
  - d. Deployment of committed equipment, facilities, support staff and manpower; and
  - e. Renewal of the effectivity dates of the performance security after its expiration during the course of contract implementation.
  - f. Non-Performance of the supplier in respect of tender terms & conditions and the delivery / supply of material.
- iii. Assignment and subcontracting of the contract or any part thereof or substitution of key Person(s) / Firm(s)nel named in the proposal without prior written approval by the Procuring Agency.
- iv. For the procurement of goods, unsatisfactory progress in the delivery of the goods by the manufacturer, supplier or distributor arising from his fault or negligence and/or unsatisfactory or inferior quality of goods, as may be provided in the contract.
- v. For the procurement of consulting services, poor performance by the consultant of his services arising from his fault or negligence, any of the following acts by the consultant shall be construed as poor performance:
  - a. Defective design resulting in substantial corrective works in design and/or construction;
  - b. Failure to deliver critical outputs due to consultant's fault or negligence;
  - c. Specifying materials which are inappropriate, substandard or way above acceptable standards;

Page 3 of 10

Dated : 12<sup>th</sup> October 2020

Revision-1 : Dt: 3 Sept 2024



- d. Allowing defective workmanship or works by the contractor being supervised by the consultant; and
- e. Submitting CV's of key Person(s) / Firm(s) in the prequalifying process or bid documents of professionals that are not in actual employment of the bidder.

vi. For the procurement of infrastructure projects, poor performance by the contractor or unsatisfactory quality and/or progress of works arising from his fault or negligence.

vii. Willful or deliberate abandonment or non-performance of the project or contract by the contractor resulting to substantial breach thereof without lawful and/or just cause.

In addition to the penalty of suspension, the performance security posted by the contractor could also be forfeited.

4.2.3 In addition to above, other grounds for blacklisting of firms/individuals include but are not limited to the following:

- i. Obtaining fraudulent payments;
- ii. Obtaining contracts by misleading the purchaser;
- iii. Refusal to pay SSGC dues etc.;
- iv. Failure to fulfill contractual obligations;
- v. Changes in the status of firm's ownership/partnership etc. causing dissolution of the firm which existed at the time of inspection / bidding prior to original registration of the firm;
- vi. Registration of a firm with a new name by the Proprietor or family or a nominee thereof of a firm that has been already blacklisted;
- vii. Consequential operational damages caused to SSGC equipment or infrastructure as a result of equipment or parts thereof supplied on trial basis or due to failure of such equipment;
- viii. Contractors who have negotiated Plea Bargain under the National Accountability Ordinance 1999, or contractors involved with any other criminal proceedings conducted by any investigation agency where default has been proved specifically in relation to supplies made to or contracts concluded with SSGC.
- ix. Involved in litigation or needless petitioning to influence or obstruct the procurement process either on his own behalf or at the behest of any other vested interest;
- x. A firm may be disqualified for a period extendable to two years in case a decision by a court is awarded against the said firm after litigation, or where the firm is involved in litigation at least three times during two financial years, or where a firm has on account of litigation caused substantial financial losses to SSGC;
- xi. Blacklisted by other Federal and Provincial Government Ministries / Divisions / Departments and organizations / autonomous bodies subordinate thereto; and
- xii. Blacklisting in case of Joint Venture firms will also result in termination of the concerned Joint Ventures Partners.

## 5. SYSTEM OF PENALTIES

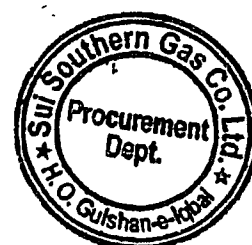
For the purpose of uniformity, following system of penalties shall be adopted for procurement of goods, works and services:

- 5.1 Blacklisted and henceforth cross debarred for participation in any public procurement or disposal proceedings for the period of not more than ten years, if corrupt and fraudulent

Page 4 of 10

Dated : 12<sup>th</sup> October 2020

Revision-1 : Dt: 3 Sept 2024



practice as defined in these rules is established against the bidder or the bidders in pursuance of blacklisting proceedings;

5.2 blacklisted and henceforth cross debarred for participation in respective category of public procurement or disposal proceedings for a period of not more than three years, if the bidder fails to perform his contractual obligations during the execution of contract or breaches the contract due to his capacity and capability to perform or otherwise. However, procuring agency shall initiate such blacklisting or debarment proceedings after exhausting the forum of arbitration, provided that such provision exists in the conditions of contract, and if such failure or breach is covered in the respective dispute settlement clauses of the contract, and

5.3 blacklisted and henceforth cross debarred for participation in respective category of public procurement or disposal proceedings for a period of not more than six months, if the bidder fails to abide with a bid securing declaration, however without being indulged in any corrupt and fraudulent practice.

## 6. SUSPENSION AND BLACKLISTING PROCEDURE

1. The supplier or contractor who is to be blacklisted for a specified period is given adequate opportunity of being heard.
2. The supplier or contractor who is to be blacklisted for a specified period is called for meeting by providing adequate time, so as to give him adequate opportunity of being heard before taking any action.
3. In case the supplier or contractor does not attend the meeting on the given date and time a final notice is served to him / her to attend the meeting on the revised date and time. Despite the final notice, if the supplier or contractor does not attend the meeting as per schedule, automatically be considered at fault. Action will be taken as per below clauses 5 to 9.
4. A three-member committee will form comprising of User, Procurement and HSE&QA departments to address the issues in the meeting with the supplier or contractor. Members of committee may not be below of grade IV.
5. In case the supplier or contractor is found at default based on the fact of the case as well as the tender terms and conditions, and do not justify the grounds of his default as per the tender terms and conditions, the approval is sought from the management for their temporary or permanent blacklisting along with encashment of bid bond or PBG as the case may be.
6. The decision of the management is communicated to the defaulted supplier or contractor through a formal letter.
7. A copy of the letter of the defaulted supplier / contractor along with covering letter with pertinent documents is / also forwarded to the Authority (PPRA) for uploading on PPRA website.
8. The blacklisting information of the supplier / contractor is uploaded on the websites.



9. Any bidder not satisfied with the decision of the procuring agency, may lodge an appeal in the relevant court of jurisdiction.
10. After coming into force the procurement contracts, the dispute between the parties to the contract shall be settled by arbitration.

## 7. STATUS OF BLACKLISTED FIRM/INDIVIDUAL

Blacklisting of a firm/individual will not affect other ongoing contracts/works/supply orders. However, such blacklisted firm shall stand barred from all future tender processes/participation and Standing Security, if any, could be confiscated until recovery of financial damages ascertained by the authority while issuing Blacklisting Order.

## 8. DELISTING

A temporary blacklisted firm / individual shall be automatically restored after the period for the penalty has elapsed, unless the procuring agency wants to maintain the blacklisted status of firm / individual due to justifiable reasons with the prior approval of Appellate Authority. In the latter case, the temporary blacklisted firm / individual shall be restored.

## 9. AMENDMENTS

9.1 In the implementation of Blacklisting Mechanism, the modifications may be introduced thereto through the amendment of its specific provisions as the need arises.

9.2 Any amendment to this Blacklisting Mechanism shall be applicable to tenders advertised for bid after the effectivity of the said amendment.

## 10. EFFECTIVITY

The Blacklisting Mechanism or any amendments thereof shall take effect immediately and from the date of its issuance. All future tender documents must be governed by these instructions. However, these cannot override the provisions of Public Procurement Rules, 2004.

## **11. The Steps to be Followed are As Under**

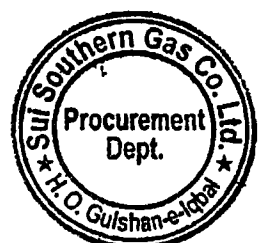
The causes and reasons to be taken into consideration for Debarment / Blacklisting of any Person(s) / Firm(s) are given as under:

### 1. PRE-AWARD STAGE:

The following shall be considered, inter alia, the events / reasons for initiating proceedings under this Mechanism at the Pre-Award Stage:

- i Indulging in Corrupt: Fraudulent as well as Collusive practices.
- ii Submission of false and spurious documents, making false statements, making frivolous complaints and allegations to gain undue advantage.

Page 6 of 10  
Dated : 12<sup>th</sup> October 2020  
Revision-1 : Dt: 3 Sept 2024



- iii Commission of embezzlement, criminal breach of trust, theft, cheating, forgery, bribery, falsification or destruction of records, receiving stolen property, false use of trademark, securing fraudulent registration, giving false evidence, furnishing of false information of serious nature.
- iv Submission of false bid security or infringement of documents to get undue monetary or any other benefit.
- v Breach of confidentiality of evaluation process based on illegal access or in any way to get undue benefit or to provide benefit or to frustrate the bidding/evaluation process. This will also include attempts to sabotage the bidding process directly or indirectly.

## 2. POST- AWARD STAGE:

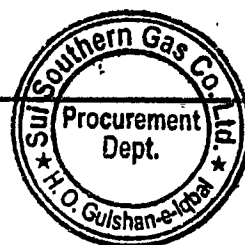
The following shall be considered, interalia, the events / reasons for initiating proceedings under this Mechanism at the Post-Award Stage:-

- i. Extraordinary delay in signing or refusal to accept the Notification of Award and/or the contract without any cogent reason.
- ii. Misconduct, i.e., failure to proceed with the signed contract, withdrawal of commitments, quoting an unreasonably and unfairly low financial offer and subsequently withdrawing such an offer, frustrating the evaluation/bidding process and not responding to written communication in a reasonable time.
- iii. Causes mentioned in Sub-Clauses i, ii and iii above.
- iv. Submission of fake / frivolous or mutilated Performance Guarantee or Advance Payment Guarantee etc.
- v. Non-satisfactory performance during the execution of the contract / purchase order.
- vi. Non-performance or Breach of provisions / clauses of the contract agreements/tender terms.
- vii. Notwithstanding the warranty/defect liability period, any defect in a product, equipment, plant, facility or services rendered that may subsequently surface during field operations within 5 years of its commissioning.
- viii. Failure to honour obligations within warranty period or defect liability period as defined in the contract.

## 3. OTHER CAUSES :

- i. The Person(s) / Firm(s) is blacklisted by any Government department in Pakistan, or it is established that the firm is involved in any kind of corruption or corrupt practices anywhere in the world.
- ii. Violations of provisions / instructions set down in the Bidding Documents.

Page 7 of 10  
Dated : 12<sup>th</sup> October 2020  
Revision-1 : Dt: 3 Sept 2024



- iii. Any attempt / activity to malign or bring SSGC into disrepute and harm its interest(s).
- iv. Person(s) / Firm(s) blacklisted by International Financial Institutions (donor agencies) will be liable to be blacklisted after receipt of confirmation from the donor agencies without any further proceeding.
- v. Any other cause deemed just and appropriate by CPPA in the given circumstances.

Note: (1) If above mentioned causes occur either on part of the principal bidder or the local agent, both shall be considered for blacklisting / debarment:

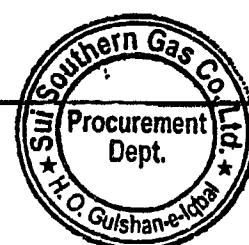
- (2) The authorization of the foreign bidder to local agent shall contain his complete particulars including the name of the company, name of the owner, National Tax number (NTN), CNIC (Computerized National Identity Card) No. etc. In case, the said information is found to be missing, even after calling for the same within a reasonable time, the authority letter shall not be accepted.
  - (3) The Bidding Documents shall be issued against original authority letter or in case of scanned copy, the email of the foreign bidder shall be enclosed. However, at the time of bidding, the original authority letter shall be attached with the bid. In the absence of the same, the bid shall be rejected.
4. FORMULATION of SSGC's Rights Protection Committee: A permanent Committee namely "SSGC's Rights Protection Committee (RPC or Committee)" shall examine the justification of the reasons given by the Project Authority prior to blacklisting. Member of RPC must be one grade up from the members of PA.

## 5. PROCEDURE FOR BLACKLISTING

Upon receipt of or obtaining information and/or knowledge that any Person(s) / Firm(s) is involved in practices mentioned in hereinabove under the heading of Pre-Award Stage; Post-Award Stage and Other Causes, the concerned Project Authority / formation shall promptly formulate its recommendations and submit through the Managing Director, SSGC to SSGC's RPC / Committee along with its findings, details of charges and documentary evidences to initiate proceedings under this Mechanism.

## 6. INITIATION OF AN ACTION

- (i) Within a period of 15 days after receiving the recommendations of Blacklisting / Debarment from the concerned Project Authority, the Convener of the Committee shall issue a Show Cause Notice ("Notice") thereby informing the Person(s) / Firm(s) about the alleged charges and shall provide an opportunity to the defend said charges within a time period of 15 (fifteen) days.
- (ii) The Person(s) / Firm(s) shall be accorded adequate opportunity of hearing in order to defend the charges within the given timelines.
- (iii) The Notice to the Person(s) / Firm(s) shall be sent at the mailing/postal address as provided under the Contract or any other address provided by way of subsequent written communication by the Person(s) / Firm(s). The non-receipt of the Notice due to incorrect / change in mailing address without any written communication shall not be attributable to





SSGC. In case of non-receipt of any reply from the accused Person(s) / Firm(s) within the formulated time, but not less than the time given in (i) above, the Committee shall have the right to proceed on Ex-parte basis.

## 7. DECISION

The committee shall hold an independent inquiry/investigation as the case may be, and, which may include site visits and interviews with the parties concerned. The Committee shall complete the entire inquiry/investigation, preferably within a period of 30 days after receipt of response from the Person(s) / Firm(s) against whom proceedings under this Mechanism has been initiated and shall present the report to the Managing Director, SSGC. If required, the Committee may report the case to an appropriate law enforcement agency depending upon the nature of the case for detailed investigations with the prior approval of Managing Director, SSGC. iii. The Person(s) / Firm(s) against whom proceedings have been initiated under this Mechanism shall not proceed for arbitration/litigation during the proceedings for blacklisting.

## 8. COMMUNICATION OF DECISION

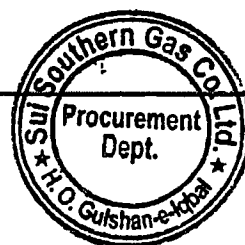
After recommendation for temporary & permanent blacklisting by "SSGC's Rights Protection Committee (RPC)", the Person(s) / Firm(s) concerned shall be informed within 10 days of such decision. The decision of the Committee will be notified on SSGC 's and PPRA's websites and shall also be conveyed to Pakistan Engineering Council.

The temporary Blacklisting on the grounds and reasons specified herein above shall be for a reasonable specified period of time and as a general rule of prudence, the period may not exceed three years, except in cases where debarment/blacklisting has been done by any other government department or an International Financial Institution (Donor Agency). In case the Person(s) / Firm(s) has been blacklisted by the government department or the International Financial

Institution (donor agency), the period of temporary blacklisting/debarment shall be for a maximum period of 3 years or the time period for which the concerned government department/International Financial Institution (Donor Agency) debarred the contractor (whichever is higher). However the permanent blacklisting cannot be revived.

Action after the Person(s) / Firm(s) are placed on Blacklisting List:

- i. The decision of blacklisting will be immediately circulated to all concerned as mentioned herein above under the heading Communication of Decision.
- ii. In case of a contract already awarded to a Person(s) / Firm(s) which has been blacklisted and termination is either not possible or not feasible, the concerned Project Authority may proceed in this case to complete the contract with the approval of Competent Authority. (iii) The blacklisted Person(s) / Firm(s) shall stand disqualified from bidding from the date of decision against them. Any pending bids shall also stand rejected. If a contract has already been awarded to Person(s) / Firm(s), it shall be voidable at the option of SSGC. (iv) A separate register or data base will be maintained for blacklisted firms indicating reasons and period.



## 9. Effectiveness

This Mechanism or any amendments thereof shall take effect immediately with the approval from Managing Director of Sui Southern Gas Company Limited.

Page 10 of 10  
Dated : 12<sup>th</sup> October 2020  
Revision-I : Dt: 3 Sept 2024



**AFFIDAVIT OF COMPLIANCE WITH INTEGRATED MANAGEMENT SYSTEM (IMS) MANUAL**

I, \_\_\_\_\_ [Supplier's Authorized Representative Full Name], of \_\_\_\_\_ [Supplier Company Name], with principal office located at \_\_\_\_\_ [Full Address], do hereby solemnly affirm and declare as follows:

1. That I am the duly authorized representative of \_\_\_\_\_ [Supplier Company Name], and have the legal authority to make this declaration on behalf of the company.
2. That I confirm having accessed, read, and fully understood the Integrated Management System (IMS) Manual provided by Sui Southern Gas Company Limited (SSGC), available at official website [<https://www.ssgc.com.pk/web/wp-content/uploads/2025/06/IMS-Mannual-1-1.pdf>].
3. That \_\_\_\_\_ [Supplier Company Name] agrees to comply fully with all the policies, procedures, and responsibilities outlined in the IMS Manual, and will ensure that all relevant employees, contractors, and agents are made aware of and comply with the same.
4. That \_\_\_\_\_ [Supplier Company Name] acknowledges that failure to comply with the IMS Manual may result in corrective action, including but not limited to financial penalties as per SSGC policy and suspension or termination of business with Sui Southern Gas Company Limited (SSGC).
5. This affidavit is made in good faith and for the purpose of affirming our commitment to health, safety, and environmental standards in our operations and engagements with SSGC.

Signed at [City] this [day] of [month], [year].

Signature: \_\_\_\_\_  
Name: [Full Name of Supplier Representative]  
Designation: [Job Title]  
Company Name: [Supplier Company Name]  
Contact Details: [Phone, Email]

Witnessed by:

Signature of Witness: \_\_\_\_\_  
Name of Witness: \_\_\_\_\_  
Date: \_\_\_\_\_

Witnessed by:

Signature of Witness: \_\_\_\_\_  
Name of Witness: \_\_\_\_\_  
Date: \_\_\_\_\_

