



Extension # 1

PIPE FITTINGS

Tender Enquiry No. SSGC/FP/PT/14275

Dear Sir,

This refers to above mentioned tender enquiry, the bid submission / opening date has been extended up to "08 June 2026 at 1000 Hrs." instead of existing.

Please note that in case if the bid bond validity fall short of 150 days due to extension in bid submission date, the bidders are liable to extend the bid bond validity upto 150 days within 30 days of the opening of technical proposals.

All other terms & conditions will remain unchanged.

Inconvenience caused is highly regretted please.

For General Manager (Procurement)

PIPE FITTINGS

FOB/C&F & FOR (Only for Local Manufacturers SRO 827(1)/2001)

*Bids are to be invited on Under Single Stage Two Envelope Bidding Procedure
Under PPRA Rules 2004, Rule# 36 (b)*

TENDER ENQUIRY NO:
SSGC / FP / PT / 14275

Bid Closing date & time: 21-05-2026 at 1000 Hrs.
Bid Opening date & time: 21-05-2026 at 1030 Hrs.

Fixed Bid Security; USD=3,000 OR PKR=300,000.

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.

Venue:

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



Sui Southern Gas Company Limited

Procurement Department, 2nd Floor, ST-4/B, Block-14, Sir Shah Suleman Road, Gulshan-e-Iqbal,
Karachi-Pakistan. Phone: 99021231, 99021223, Fax: 99231583 www.ssgc.com.pk/ssgc

Checklist for Bidders

Enquiry No. _____ Opening Date _____ Time _____
 M/s. _____ Phone No. _____

Please ensure before submitting the bid, that following information / documents have been submitted / provided along your bid. Check () appropriate box.

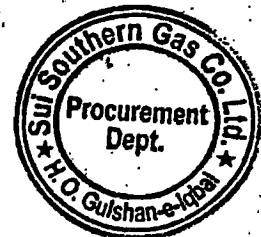
S. No.	Details of required information / documents	Yes	No
1.	Each & Every Page of the bidding documents shall be signed and stamped by the bidder.		
2.	Technical Compliance sheet (if applicable) has been filled		
3.	Fixed Bid as specified in the tender document.		
4.	Bid validity as specified is mentioned		
5.	Delivery period has been specified		
6.	Country of Origin		
7.	Standard Warranty / Guarantee (if applicable)		
8.	Original Performance Invoice of Principal		
9.	Original Technical Literature		
10.	Original Authorization Letter of Principal		
11.	Original Authorization Letter of Manufacturer		
12.	Estimated item wise weight including gross weight & volume of consignments		
13.	Port of Shipment (specific name of Air / Sea Port is required) In case the city mentioned by the bidder does not have any port, the FOB charges at the port of shipment will be borne by the supplier.		
14.	L/C confirmation charges (if desired by bidder) shall be borne by the supplier		
15.	L/C charges at supplier's end shall be borne by the supplier		
16.	Both FOB & C&F rates are quoted (C&F rates should be based on P&NSC freight)		
17.	Sample (if necessary) is enclosed		
18.	Alternative offer (if any) submitted should be on as per Section 3 Schedule of Requirement & Bid Form format. For each alternative offer separate fixed bid form is required.		
19.	Deviations from tender terms (if any) have been stated in Section 3 Schedule of Requirement & Bid Form format. At any stage of process and after accordingly tender terms will prevail.		
20.	Firm name of Beneficiary & Bank details with complete address of beneficiary.		
21.	Original Bid + One Copy is Submitted		
22.	Form-X and 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



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
Annexure-A	Format of Bid Bond Bank Guarantee	Included
Annexure-B	Format of Performance Bank Guarantee	Included
Annexure-C	Declaration by Supplier	Included
Section - 2	Special Conditions of Tender Document	Included /Not required

Part - B

Section - 3	Bid Form (Schedule of requirement)	Included
Section - 4	Specifications/Drawing (if applicable)	Included/Not required
Section - 5	Affidavit of Compliance with Integrated Management System (IMS) Manual	Included

SSGC

SUI SOUTHERN GAS COMPANY LIMITED
Procurement Department

M/a. _____

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:

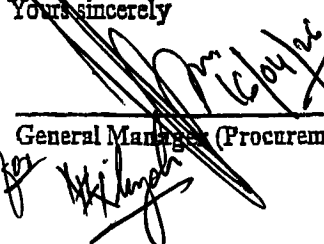
1. Bids are to be submitted in sealed envelope provided with the tender, indicating Tender Enquiry Number & its opening date and time on the face of the envelope.
2. Bid Bond @ 5% of the total FOR / FOB value shall be enclosed with the bid without which bid will be rejected and returned to bidder unannounced. 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 clarification 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 process (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 bidder 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 A will also apply.
10. The Company will appreciate confirmation by fax No 92-21-99231583 or email enquiry@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, 0092-21-99013774,
Fax # 0092-21-99231583, Email: nmte@ssgc.com.pk

Hope and look forward for your valued participation.

Thanking you

Yours sincerely



General Manager (Procurement)



General Terms & Conditions

1. Submission of bids:

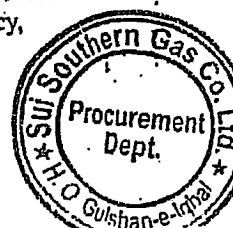
- 1.1. Bids are to be submitted in sealed envelope provided with the tender (in such a manner that contents are fully kept enclosed and cannot be seen until opened) indicating tender enquiry number, its opening date and time on the top of the envelope. Envelopes shall be addressed to General Manager (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, CRP Building, SSGC Head Office. Bids are to be delivered on or before closing time after which bids 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 bidders 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 bid at location specified 1.2 above. Company will not be responsible for misplacement/ tampering/ non-receipt/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 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, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information regarding their professional, technical, financial, legal or managerial competency,



whether already pre-qualified or not. The Company shall disqualify a supplier or contractor if it finds, at any time that the information regarding their qualification as supplier or contractor was false and materially inaccurate or incomplete. **Black Listing Mechanism**

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:**

- 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 bid submissions 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.

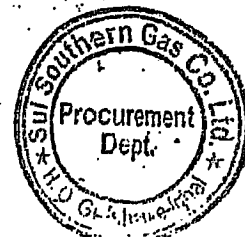
8.2 **Line-pipe only:**

8.2.1 Bidders are essentially required to submit detailed breakdown of rates indicating 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.

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 bidder 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.

- 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 expiry 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 the bid proposal / bid, and / or where so required by the procuring agency.

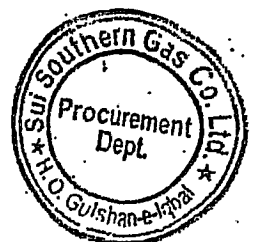
9.2 In the event of the bid security amount deposited / furnished by the bidder falls short by 10% of the requisite Bid security amount. The procuring agency keeping in view the nature of the procurement may consider and allow the bidder to deposit / furnish the balance 10% amount, provided the bidder does so within 15 days of the opening of the bid. Notwithstanding the above 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 quotation 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 clause-by-clause commentary on the Specifications, demonstrating the materials responsiveness to these specifications or a statement of deviations and exceptions to the provisions of the specifications, as 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 and not restrictive. The bidder may substitute other authoritative standards, brand names and 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.

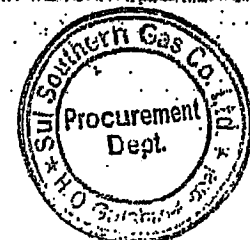
- 13.7 The offer shall be accompanied with all technical data/documents/certifications as required under the tender specifications. Evaluation shall be carried out on the basis of data/ documents/certifications submitted with the bid. No clarification, additional information may be sought / accepted 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 agreed 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, & 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 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. Loading 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 above Rs:500,000, the successful bidders shall submit performance bond guarantee which shall be submitted within ten days from receipt of LOI or order along with integrity pact. The successful bidders shall submit a performance bank guarantee (PBG) in the form of a pay order or bank guarantee (as per form 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/MD) the PBG shall remain valid up to 3 months after completion of satisfactory final delivery.

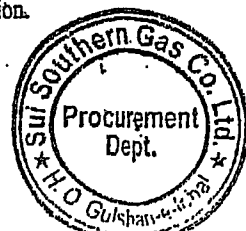
16.1.7 In case of Vehicles, Manufacturer's Warranty is required in lieu of PBG.

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 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 obligation 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 government, 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 execution of the modification, if applicable.



- 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:

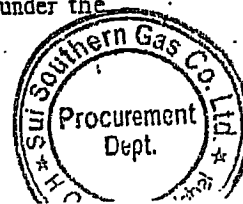
- 21.1 Delivery of the goods shall be made by the supplier in accordance with the schedule of requirements and delivery period; however, the supplier may claim extension of the time limits as set forth in the schedule of requirements and delivery period in case of
- 21.1.1 Modification in the goods ordered 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 of 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 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 end 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:

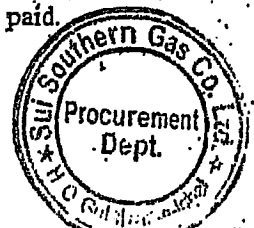
- 24.1 Free delivery at any of the following locations, unless specified otherwise:
- 24.1.1 R & D Section, Stores Department Abul Hasan Ispahani Road, Karachi.
 - 24.1.2 R & D Section, Stores Department F-37, SITE Karachi.
 - 24.1.3 R & D Section, Stores Department F-76, Dope Yard SITE, Karachi.
 - 24.1.4 Meter Manufacturing Plant, Sir Shah Suleman Road, Gulshan-e-Iqbal Karachi.
 - 24.1.5 Khadeji Store, 57th Kilometer at Super High way Karachi.
 - 24.1.6 Any other location specified by the company.
- 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 collected 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 Stores 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 in any manner.

- 27.4 In case of order placed on C&F basis, the delivery period shall commence from the date of confirmation of L/C. However, delay in 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 a 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,

- 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 shipment of supplier.

- 28.2 The Company shall have the right to terminate/cancel the contract/purchase order concluded between the supplier and Company; if:

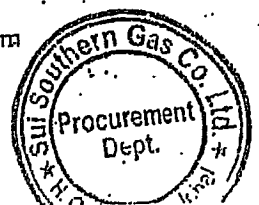
- 28.2.1 The successful bidder fails to furnish the performance bond as under clause 16 thereof.

- 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:

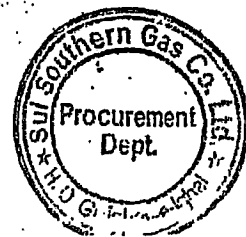
- 31.1 Successful supplier shall furnish the declaration (specimen attached at Annexure-C) within 10 days after issuance of LOI/order /contract if the order/contract value becomes Rs:10 million or above.
- 31.2 In case of F.O.B/C&F Purchase order/Contract, the Principal as well as "local agent" both will sign the "integrity pact" as required under this clause.
- 31.3 Bidders to submit a certificate on Rs.10/- 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) continues, 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 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



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, process or 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 used 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 its 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 9, 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 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 F.O.B 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 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:

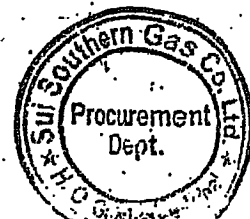
2.1 Bid bond shall be equivalent to two percent (2%) of the total F.O.B value, in favor of Sui Southern Gas Company Limited and shall be in the form of pay order, demand draft, cash deposit receipt or a bank guarantee (specimen attached at Annexure-A), issued by a scheduled bank in Pakistan. The bid 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 bidder while the bid bond of the successful bidder shall be retained, till submission of Performance bond. If a bidder's 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.



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 of equipment by air it shall be arranged through Company's airfreight forwarder (s) or their nominated agent. "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\$ 5,000/- or above or equivalent for other currencies, letter of intent will be issued to successful bidders on submission of performance bond guarantee which is to be submitted within 15 days from receipt of L.O. 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 accepted 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.

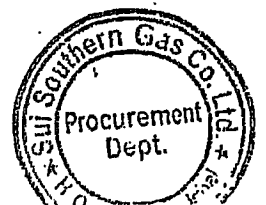
6.5 Warranty/Guarantee:

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, shipment(s) 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/dispatched 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 rail. The coordination, 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/KOP/002/73.

9. Payment:

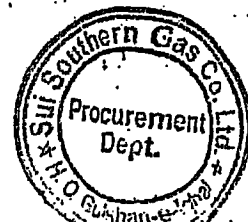
9.1 Payment of FOB/C&F prices shall be made in the currency of bid through an irrevocable letter of credit (L/C) established in favor of the supplier, negotiable through the bank of their choice. Bidder shall indicate full name and address of the negotiating bank and the place at which they wish to negotiate 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:



- 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/ ----- 2copies 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.

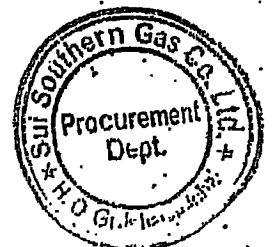
11 Installation/Commissioning/Training:

If installation/commissioning and training is required, the charges will be paid in Pakistan 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 paid by the supplier 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) consumable i.e (fuel/oil & lubricant/ spares) are easily available in Pakistan.



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.....

TE # SSGC/FP/_____

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

Dear Sirs,

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:

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 150 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 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.

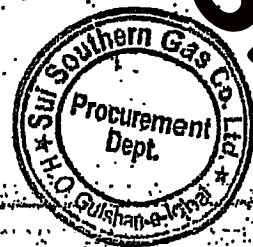
To accept written intimation (s) from you as conclusive and sufficient evidence of the existence of a default
of non-compliance as aforesaid on the part of Bidder and to make payment accordingly within 03 days of the
receipt of the written intimation.

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, effected, this
Guarantee and our liabilities & commitments hereunder:

This Guarantee shall be binding on us and our successors in interest and shall be irrevocable.

Ours faithfully,

(stamp and signature of the issuing bank)



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.....

TE # SSGC/FP/_____

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

Dear Sirs,

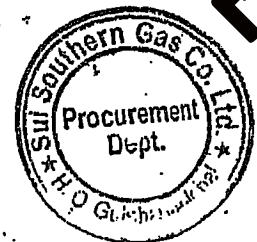
In the Sum of Rs.....Account.....
T. No. Karachi under the Purchase

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-fulfillment 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, howsoever 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)

General Manager (Procurement)
Sui Southern Gas Company Limited,
S-4-B, Block-14, Gulshan-e-Iqbal,
Sir Syed Sulaiman Road, Karachi.
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) through 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 or 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 like 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.

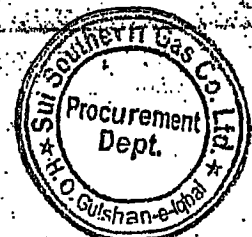
Notwithstanding any rights and remedies exercised by SSGC in this regard (The Seller/Supplier) agree to indemnify SSGC for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to SSGC in an amount equivalent to ten times the sum of any commission, 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 & 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.



Tender Enquiry No. SSGC/FP/ _____

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 pre-shipment / post shipment inspection report, than 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 ensure 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 Annexure-II, duly filled, signed & stamped.
- iv) In case where performance bank 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 local agent of the successful bidder (Principal) is required to be submitted at least on Rs.200/- Non-judicial stamp paper and should be duly notarized / attested. In the event when this Warranty Undertaking is being submitted by the principal who is overseas resident in that case the same would required to be notarized by the notary public and duly attested by the Pakistan Embassy or High Commission in that particular jurisdiction. Needless, to mention that in both cases the Warranty Undertaking will be executed by the duly authorized representative of the local agent or the principal as the case may be.

2. Bid Security:

- a) Bid bond submission (2%) of the bid amount as mentioned in the clause 1.1 & 2 of Additional Terms for tender on F.O.B/C&F basis & 9 of General Terms & Conditions, to be treated as null & void, however, other contents of clause 1.1 & 2 of Additional Terms for tender on F.O.B/C&F basis & 9 of General Terms & Conditions will remain unchanged. The submission of fixed amount of bid security appearing in the Price Schedule/BOQ.
- b) All the bidders are advised to furnish fixed bid security (Original Instrument) as per amount in Pak Rs. Or US\$ appearing in price schedule/BOQ failing which their bid will be rejected.
- c) In case the bidder submit bid in the currency other than Pak Rs. Or US\$ the bid bond shall be equivalent after the conversion to the amount of fixed bid bond given in Pak Rs. Or US\$ mentioned in Price Schedule/BOQ. The exchange rate (issued by the Treasury Management Group of the National Bank of Pakistan or the State Bank of Pakistan selling rate) prevailing at the time of bid opening date will be applicable.
- d) The submission of fixed amount of bid security is also mandatory for all the bids valued Rs.500,000/- or less.
- e) 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 and Clause# 02 of Additional Terms for tenders on FOB/ C&F basis 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. Evaluation Criteria and Comparison of Bids

In accordance with SRO 827 (1) / 2001 bidders tendering for Engineering goods produced in Pakistan and those Engineering goods specified in CGO-11 and amendments thereof by the Central Board of Revenue or Engineering Development Board. The successful bidder shall be accorded a Price preference in rupees up to a specific percentage (in proportion to the value addition) of the lowest quoted landed cost of an item of foreign origin with similar specifications as mentioned in the tenders

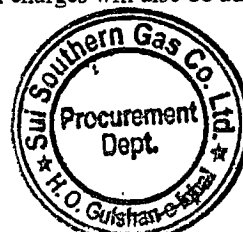


- i) Provided that:-
- The saving in foreign exchange is not less than the amount of price preference;
 - It is ensured that, in each case of such preference, the total import requirements for producing the supplies tendered for locally manufactured items has been duly indicated by the bidders.
- ii) Price preference shall be allowed as under:-
- Having minimum of twenty percent value addition through indigenous manufacturing, price preference shall be fifteen percent;
 - Having over twenty percent and up to thirty percent value addition through indigenous manufacturing, price preference shall be twenty percent, and
 - Having over thirty percent value addition through indigenous manufacturing, price preference shall be twenty five percent.
- iii) For the above purpose, we will require a complete breakdown of ex-factory price for goods manufactured in Pakistan. Any offer not accompanied with this cost breakdown will not be allowed to receive the above price preference.
- iv) Benefits of SRO 827 (1)/2001 shall be accorded to only those local manufacturers who are engaged in the manufacturing of goods specified in CGO - 11 of 2007 or its latest version or as certified by the EDB. However, in case of offer on FOB basis, the landed cost to be determined in accordance with the following criteria be taken for evaluation in case of International bidders, and shall be taken for the purpose of comparison with the price quoted by local manufacturers, who shall also be accorded the price preference in terms of SRO 827 (1)/2001. The landed cost determined in accordance with the afore said criteria shall be taken for bid evaluation in case of international bidders, and shall be taken for the purpose of comparison with the price quoted by the local manufacturers. Example of landed cost for evaluation of the international bidders is given here under:

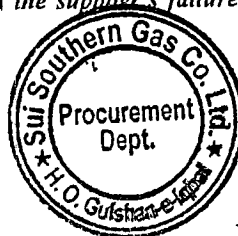
EXAMPLE

S. No.	Cost Components for determining landed cost of imported Engineering goods in terms of S.R.O 827 (1)/2001 in Pak Rupees.
i.	FOB Value.
ii.	Sea Freight (Actual quoted by the bidder on the basis of PNSC rates, which shall be announced by the bidder at the time of opening of the bid).
iii.	C&F value (i + ii). (CFR value).
iv.	Insurance @ 1% of C&F Value given at iii above.
v.	CIF value (iii + iv).
vi.	Handling Charges @ 1 % of CIF Value given at v above.
vii.	Import Value (v + vi) for the purposes of levying Customs Duty.
viii.	Customs Duty at applicable rate, which shall be calculated on the import value given at vii above.
ix.	Duty Paid Value.
x.	Sales Tax at applicable rate, which shall be calculated on the duty paid value given at ix above.
xi.	Duty & Sales Tax paid value (ix + x).
xii.	Withholding Tax at applicable rate, which shall be calculated on duty and sales tax paid value given at xi above.
xiii.	LC Charge @ 0.25% of FOB Value given at i above.
xiv.	Clearing Charges @ 0.25% of C&F Value given at iii above.
xv.	SED at applicable rate, Which shall be calculated on the import value given at vii above to be taken as nil as it stands withdrawn.
xvi.	Provincial Infrastructure Cess (at applicable rate) on %age of import value given at vii
xvii.	KPT Wharfage @ Rs.140 per cubic meter or the prevailing rate.
xviii.	Craneage Loading & Other Charges @ 0.25% of C&F Value given at iii above.
xix.	Inland Transportation Charges from Port to Coating Factory (From Port of final destination in case of products other than pipes, where coating is not required).
xx.	Cost of imported engineering goods (xi to xix).
xxi.	LESS: Handling Charges taken at Sr. No. vi (Notional Value taken for calculating assessed value for purpose of calculating custom duty, sales tax and withholding tax by the customs authority).
xxii.	LESS: Sales tax taken at x above. (Adjustable as output tax).
xxiii.	LESS: With Holding Tax. (Adjustable against final assessed tax).
xxiv.	Total deductions (xxi + xxii + xxiii)
xxv.	Net cost of imported engineering goods (xx minus xxiv)

- v) Foreign bidders are essentially required to submit letter of PNSC for ocean freight transportation rate for break bulk/barges from their local agent.
- vi) Please indicate approximate shipping specification, i.e. weight and measurements of the packages/bundles and also total gross weight (in terms of metric tons), and total gross volume (in terms of cubic meters) of each consignment separately.
- vii) For evaluation of bids customs duty, taxes and all other charges prevailing on the date of public opening of bids will be used, where applicable.
- viii) For the purpose of price comparison and evaluation of bids, financial charges will also be added to arrive at a landed cost, which will inter-alia include, mark up and L/C opening charges etc.



- ix) If the local manufacturer becomes the lowest evaluated bidder after Price Preference, order will be placed at the price (landed Cost) quoted by the lowest evaluated international bidder. In case the local bidder does not accede to the request of SSGCL for best negotiated rates at par with those received from International bidder for particular item(s) then, the order will be placed on the lowest evaluated international bidder.
- x) "Price Preference" shall not be in "Value Terms" it should only be for the sake of reference for comparison purposes (local & foreign bids).
- xi) Bank details shall be mentioned by the bidders for the purpose of opening LC/ Payment.
6. **Declaration / Integrity Pact / Certification:**
it is required to be submitted by the Successful Bidder on their letter heads after issuance of Purchase Order (PO) or Letter of intent (LOI) for the value of Rs.10,000,000/- (Ten Million) or above in case of local bidder and US\$ 100,000 & above in case of foreign bidder.
Submission the declaration as at ANNEXURE-C is a mandatory requirement for successful bidder.
7. **Third Party Pre-shipment Inspection Criteria / Scope of Work as given in the Tender Documents will be followed at the time of Third Party Inspection, which will be carried out by SSGC nominated Third Party Inspection Firm in case the tender value exceeds US\$100,000 except screwed pipe fitting tenders.**
8. **"The successful Bidder shall provide the revenue stamps and copy of challan, 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/SO/R/87/2022-808 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.**
9. **Bank Guarantee (Bid Bond/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 Bank 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.**
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. **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 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 document.
12. **Correct Postal Address**
Bidders are essentially required to provide correct and latest postal, 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 be considered as non-responsive.
13. In case the local agent requires to offer bid from more than one principal / Manufacturer, 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.
14. **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 blacklisting terms as mentioned in the General Terms & Conditions.
15. *The Successful Contractor(s) / Supplier(s) / Consultant(s) shall submit a copy of Professional Tax Certificate with their Invoices / Bills failing which the payment will not be released.*
16. **Authentications of Performa Invoice / Authority Letter and other documents by the Principal / Manufacturer:**
The Authentication of Authority Letter and Performa Invoice will be obtained from the Principal / Manufacturer as and when required. If the authentication not received within the stipulated time frame the bid will be liable for rejection and the Bid Bond / Earnest Money will be encashed.
17. **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.
18. **Any Bidder who change / amend the BOQ / Price Schedule (description / Bid Form, Quantity, UOM etc.) will render the bid as conditional bid and will be liable for rejection.**
19. **Delivery Schedule will commence after the opening of Letter of Credit (LC). 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.**



20. In the event of release of Performance Bank Gurante (PBG) after its encashment, the amount of the PBG to be released will be converted in Pak Rupees at the exchange rate prevailing at the time of encashment. The amount so converted will be released in Pak Rupee (PKR) to the foreign bidder or to their local agent duly authorized by the foreign principal.

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

22. As per FBR Regulations Ref# C.No.4 (24) IT- Budget/2021-142150-R, Dated: 23rd September, 2021 to make the payment online. Therefore, all the local manufacturers 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.

23. 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.

24. 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.

25. 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 BSI as the case may be. Failure to specify these two narrations the joint venture agreement will not be entertained.

26. 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.

27. Bidders can quote their rates on both i.e. Price Schedule as well as Bill of Quantity (BoQ).

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

29. 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).

30. In case quoted item(s) falls under SRO No. 604 (see attachment) i.e. Solar Power System, Panel Module/Cells and allied accessories/parts/spares etc. - then in that case supplier is responsible to fully comply state SRO and arrange, provide and bear all associated costs for all necessary test reports, certificates, pre-shipment inspection reports, other documents etc. (as mentioned in SRO). Further, Pre-Shipment Inspection should be from approved companies as mentioned in Appendix H of Import Policy Order (see attachment).

31. 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.

32. 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.
33. 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.
34. **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.
35. 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.
36. Subsequent to the issuance of Purchase Order/LOI, successful bidder has to submit 10% Performance Bank Guarantee of the Purchase Order/LOI value unless & until specified in the Tender Documents. Clause# 16.1.5 mentioned in General Terms & Conditions to be treated as null & void.
37. Where the Pre-shipment inspection is applicable and in case of partial shipment is required by the bidder the cost of the 1st Pre-shipment inspection will be borne by SSGC, whereas, cost of the 3rd Party inspection for the remaining shipment(s) will be borne by the bidder/manufacturer.
38. Purchase order value mentioned in the clause # 6 of sub-clause # 6.1 (Performance Bond) of Additional Terms for Tenders on FOB/C&F basis (Section-1A) to be read as US \$ 10,000 instead of US \$ 25000. However, other contents of clause & sub-clauses of 6 (Performance Bond) of Additional Terms for tender on F.O.B/C&F basis will remain unchanged.
39. **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 grievance 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.
40. The sub clauses 33.2, 33.4 & 33.5 of clause 33 of General Terms & Conditions to be treated as null & void.
41. 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
42. In Open Competitive Bidding Procedure where the quoted price is less than Rs. 500,000/- the Bid Bond will be retained in lieu of PBG.
43. In case the Bid Bond is not required, the bidder must submit the Form of Bid-Securing Declaration attached with the Tender Document else the Bid will be liable for rejection.
44. All Tenders floated through EPADS are to be governed by S.R.O. 296(T)/2023 dated: March 8, 2023 "E-Pak-Procurement Regulations 2023". In case of any conflict between SSGC Tender Terms / Instructions to Bidders and the PPRA EPADS Rules, the S.R.O. 296(T)/2023 will prevail.

45. **Samples:**



When sample submission is required. Suppliers/bidders must submit samples:

- a) Along with the bid, if stated in the tender documents.
- b) Within the time specified in the tender.
- c) Upon request from the User Department for technical evaluation through official email/ letters.

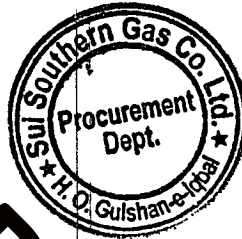
SAMPLE SUBMISSION LOCATION/ DEPARTMENT:

All samples must be submitted to the Procurement Department - Tender Room, SSGC Head Office with Duly filled in form "Y" attached in the tender document. Samples submitted other than the Procurement Department - Tender Room, SSGC Head Office will not be considered/accepted.

The supplier/bidder must:

- Fill in all required details (e.g., Tender No., Bidder Name, and Sample Description).
- Attach supporting documents (if required).
- Submit the completed Form-Y along with the sample.

In absence of any of the above stated requirements the Samples will not be considered/accepted.



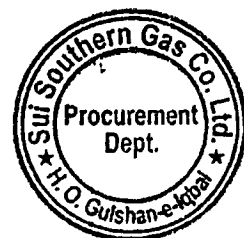
NOT FOR BIDDING PURPOSE

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, firms 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 BO 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

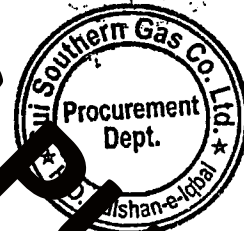
9. Information about the Board of Directors (details shall be provided regarding number of shares in the capital of the company as set opposite respective names).



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 Nationally	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 owner(s).

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



NOT FOR BIDDING PURPOSE

ANNEXURE - II

WARRANTY UNDERTAKING

M/s. Sui Southern Gas Co. Ltd.
SSGC House, Sir Shahi Sulaiman Road,
Gulshan-E-Iqbal, Karachi.

From _____

(FIRM NAME)

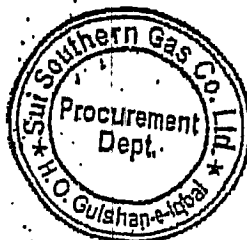
Tender Enquiry No. _____

Date _____

1. In case we stand as the lowest bidder and the order is placed on us against the cited tender enquiry, we hereby guarantee that the goods supplied against above tender enquiry are in all respect in accordance with the tender specifications 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 pre-shipment / post shipment inspection report, than in such as event the Supplier hereby undertake to replace the same on DDP basis (INCOTERMS 2010) i.e. free of all cost including but not limited to transportation, taxes and levies.
2. In case of our failure to replace the defective item / remove the defect(s) free of cost within the period specified by the Purchaser, we will refund the relevant cost including all other expenses incurred by the purchaser in this regard.
3. This warranty will remain valid for 18 months after the goods have been successfully delivered or commissioned.

Signature _____

Company Stamp _____



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 23rd Sept'2021 to make the payment online vide G.O. No. 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 #: _____

(9 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 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.



FORM "Y"
(SSGC – sample submission form)

SECTION A: BIDDER INFORMATION	
FIELD	DETAILS
Bidder Name / Firm Name	
TIN / GST No.	
Address	
Contact Person	
Contact Number	
Email Address	
Declaration by Bidder	
I/We hereby declare that the sample(s) submitted are in accordance with the tender specifications and terms.	
I/We understand that failure to submit correct and complete samples may lead to disqualification.	
Signature of Bidder:	

SECTION B: TENDER DETAILS	
FIELD	DETAILS
Tender No.	
Tender Opening Date	
Item(s) for which sample is submitted	
Quantity of Sample Submitted	
Specification/Description of Sample	
Make:	
Brand:	
Serial No:	
Generics: size, height, weight, width:	
Other description:	

SECTION C: FOR OFFICE USE ONLY (TO BE FILLED BY TENDER ROOM)	
FIELD	DETAILS
Date & Time of Submission	
Received By (Tender Room Staff Name & Sign)	
Tender Room Stamp	
Remarks (if any)	

NOT FOR BIDDING PURPOSES

JR

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 to sign the Contract; or (ii) fail 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: _____

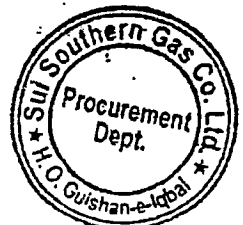
Signature of the person named above: _____

Date signed: _____

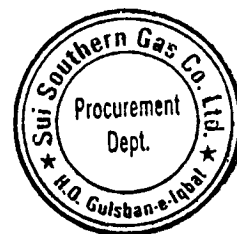
* In the case of the Bid submitted by joint venture specify the name of the Joint Venture as Bidder

** 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.]

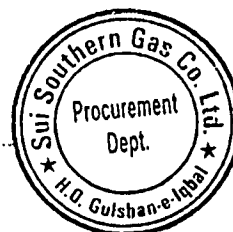


Sr. No	Description	Country of Origin / Make / Brand	Qty	Unit	Unit FOB price Port of Loading	Total FOB Cost / Item (COL 4x6)	Unit Price C&F (Port of Entry Karachi)	Total C&F Port of Entry (COL 4x8)	* Only for local manufacturer	
									Unit FOR Price	Total FOR Price (COL 4x10)
1	2	3	4	5	6	7	8	9	10	11
1	<u>WELD PIPE FITTINGS - LONG RADIUS ELBOWS</u> [1] 09114173 ELBOW 90DEG. LR 4" x 0.237" WT. A234 WPB (AS PER SPECS.)		30	Each						
2	<u>WELD PIPE FITTINGS - PIPE CAPS</u> [2] 09064223 CAP PIPE 1/2" x 0.237" WT. A234 WPB (AS PER SPECS.)		20	Each						
3	<u>SCREWED PIPE FITTINGS - 90DEG. ELBOWS</u> [3] 09111633 ELBOW 1" NB 90DEG. 3000 PSI WPB NPTF, ASTM A105 (AS PER SPECS.)		50	Each						
4	<u>SCREWED PIPE FITTINGS - 90DEG. ELBOWS</u> [4] 09111633 ELBOW 1/2" NB 90DEG. 3000 PSI WPB NPTF, ASTM A105 (AS PER SPECS.)		50	Each						
5	<u>WELD NECK FLANGES</u> [5] 09183613 FLANGE WELD NECK 12" NB, RTJ, CLASS 600, BORE 11.750" ID ASTM A105 (AS PER SPECS. ATTACHED)		20	Each						
6	<u>WELD PIPE FITTINGS - LONG RADIUS ELBOWS</u> [6] 09114453 ELBOW 90DEG LR 8" x 0.500" WT. A234 WPB (AS PER SPECS. ATTACHED)		20	Each						
7	<u>WELD PIPE FITTINGS - LONG RADIUS ELBOWS</u> [7] 09114423 ELBOW 90DEG LR 4" x 0.337" WT, ASTM, A234 WPB (AS PER SPECS ATTACHED)		20	Each						
8	<u>WELD NECK FLANGES</u> [8] 09183253 FLANGE WELD NECK 2" NB, RTJ CLASS 600 BORE 1.939" ASTM A105 (AS PER SPECS. ATTACHED)		50	Each						
9	<u>BLIND FLANGES</u> [9] 09184533 FLANGE BLIND 8" RTJ CLASS 600, ASTM A105 (AS PER SPECS. ATTACHED)		20	Each						
10	<u>BLIND FLANGES</u> [10] 09154553 FLANGE BLIND 10" RF CLASS 150, A105 (AS PER SPECS.)		10	Each						
11	<u>WELD NECK FLANGES</u> [11] 09153473 FLANGE WELD NECK 6" RF CLASS 150 BORE 6.065" A105 (AS PER SPECS)		30	Each						
12	<u>WELD NECK FLANGES</u> [12] 09185643 FLANGE WELD NECK 8" NB CLASS 600 RTJ BORE 7.625" ASTM A105 (AS PER SPECIFICATIONS ATTACHED)		30	Each						
13	<u>WELD NECK FLANGES</u> [13] 09153453 FLANGE WELD NECK 6" CLASS 150 RF BORE 6.065" ASTM A105 (AS PER SPECS.)		20	Each						
14	<u>WELD NECK FLANGES</u> [14] 09153403 FLANGE WELD NECK 4" CLASS 150 FF (AS PER SPECS)		30	Each						
15	<u>WELD NECK FLANGES</u> [15] 09153393 FLANGE WELD NECK 4" DIA. RF CLASS 150 ASTM A105 (AS PER SPECS)		30	Each						

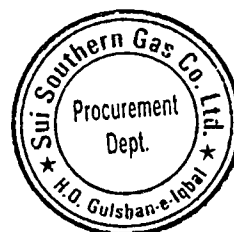


Sr. No	Description	Country of Origin / Make / Brand	Qty	Unit	Unit FOB price Port of Loading	Total FOB Cost / Item (COL 4x6)	Unit Price C&F (Port of Entry Karachi)	Total C&F Port of Entry (COL 4x8)	* Only for local manufacturer	
									Unit FOR Price	Total FOR Price (COL 4x10)
1	2									
16	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [16] 09262443 STUD BOLT 1.1/4" x 9.1/2" WITH 2 NUTS & 2 WASHERS (AS PER SPECS.)		300	Each						
17	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [17] 09262413 STUD BOLT 1.1/4" x 9.1/2" C/W 2 NUTS & 2 WASHERS		300	Each						
18	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [18] 09261111 STUD BOLT 1" x 6.3/4" WITH 2 NUTS & 2 WASHERS		300	Each						
19	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [19] 09260363 STUD BOLT 5/8" x 5" C/W 2 NUTS & 2 WASHERS		500	Each						
20	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [20] 09260353 STUD BOLT 5/8" x 4.3/4" WITH 2 NUTS & 2 WASHERS (AS PER SPECS.)		500	Each						
21	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [21] 09260333 STUD BOLT 5/8" x 4.1/4" C/W 2 NUTS & 2 WASHERS		500	Each						
22	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [22] 09260323 BOLT STUD 5/8" x 4" C/W 2 NUTS & 2 WASHERS		500	Each						
23	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [23] 09260313 STUD BOLT 5/8" x 3.3/4" WITH 2 NUTS & 2 WASHERS (AS PER SPECS. ATTACHED)		500	Each						
24	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [24] 09261013 STUD BOLT 7/8" x 5.3/4" WITH 2 NUTS & 2 WASHERS (AS PER SPECS. ATTACHED)		500	Each						
25	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [25] 09260983 STUD BOLT 7/8" x 5" WITH 2 NUTS & 2 WASHERS (AS PER SPECS.)		500	Each						
26	WELD NECK FLANGES [26] 09183413 FLANGE WELD NECK 4", RTJ, CLASS 600, BORE 3.826" ID, ASTM A105 (AS PER SPECS. ATTACHED)		30	Each						
27	BLIND FLANGES [27] 09184413 FLANGE BLIND 4" RTJ CLASS 600, ASTM A105 (AS PER SPECS. ATTACHED)		20	Each						
28	BLIND FLANGES [28] 09184253 FLANGE BLIND 2" RTJ CLASS 600 ASTM A105 (AS PER SPECS. ATTACHED)		20	Each						
29	SCREWED PIPE FITTINGS - SWAGE NIPPLES [29] 09342173 NIPPLE SWAGE 1" x 1/2" 3000PSI, CWP, ASTM A105, NPTM (AS PER SPECS.)		3	Each						
	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A									

Complete shipment is required within 24 to 28 weeks (or earlier) from the date of issuance of L/C.



Sr. No	Description	Country of Origin / Make / Brand	Qty	Unit	Unit FOB price Port of Loading	Total FOB Cost / Item (COL 4x6)	Unit Price C&F (Port of Entry Karachi)	Total C&F Port of Entry (COL 4x8)	* Only for local manufacturer	
									Unit FOR Price	Total FOR Price (COL 4x10)
1	2									
30	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [30] 09263393 STUD BOLT 1.1/2" x 10.3/4" WITH 2 NUTS & 2 WASHERS (AS PER SPECS. ATTACHED)		300	Each						
31	WELD PIPE FITTINGS - CONCENTRIC REDUCERS [31] 093810333 REDUCER CONCENTRIC 4" x 2" 0.237"/0.154" WT. A234 WPB (AS PER SPECS.)		50	Each						
32	WELD PIPE FITTINGS - CONCENTRIC REDUCERS [32] 093810333 REDUCER CON. 6" x 2" 0.432"/0.218" WT. A234 WPB (AS PER SPECIFICATIONS ATTACHED)		30	Each						
33	WELD PIPE FITTINGS - CONCENTRIC REDUCERS [33] 09381453 REDUCER CONCENTRIC 6" x 4" NB, 0.432"/0.337" WT A234 WPB (AS PER SPECIFICATIONS ATTACHED)		30	Each						
34	CONCENTRIC REDUCERS SEAMLESS GR. WPB SCH.80 [34] 09381403 REDUCER CON. 4" x 1" (AS PER SPECS)		20	Each						
35	WELD PIPE FITTINGS - EQUAL TEES [35] 09424383 TEE EQUAL 2" x 0.218" WT A234 WPB (AS PER SPECS. ATTACHED)		30	Each						
36	WELD PIPE FITTINGS - WELDOLETS EXTRA STRONG [36] 09480553 WELDOLET 2" ON 20" - 36" PIPE SCH.80 A105 (AS PER SPECS.)			Each						
37	PIPE FITTINGS [37] 09573133 TEE REDUCING-BUTTWELD SCH40 4"x4"x2"		30	Each						
38	WELD PIPE FITTINGS - THREDOLETS [38] 09485193 THREDOLET 1/2" ON 36"-10" 3000 LBS NPT SCH: 80 ASTM A105 (AS PER SPECS. ATTACHED)		50	Each						
39	SCREWED PIPE FITTINGS - THREDOLETS [39] 09485323 THREDOLET 1" ON 36" - 12" 3000 LBS CWP NPT (AS PER SPECS.)		50	Each						
40	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [40] 09261373 STUD BOLT 1" x 6" WITH 2 NUTS & 2 WASHERS (AS PER SPECS)		300	Each						
41	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [41] 09262403 STUD BOLT 1.1/4" x 8.1/2" GRADE B7 & 2H		300	Each						
42	WELD NECK FLANGES [42] 09153413 FLANGE WELD NECK 4" NB RF CLASS 150 BORE 3.826" ASTM A105 (AS PER SPECIFICATIONS ATTACHED)		50	Each						
43	WELD NECK FLANGES [43] 09153333 FLANGE WELD NECK 3" NB RF #150 BORE 2.900" (AS PER SPECIFICATIONS ATTACHED)		10	Each						
44	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [44] 09261983 STUD BOLT 1.1/8" x 8" WITH 2 NUTS & 2 WASHERS		300	Each						



Sr. No	Description	Country of Origin / Make / Brand	Qty	Unit	Unit FOB price Port of Loading	Total FOB Cost / Item (COL 4x6)	Unit Price C&F (Port of Entry Karachi) (COL 4x8)	* Only for local manufacturer	
								Unit FOR Price	Total FOR Price (COL 4x10)
1	2								
45	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [45] 09260633 STUD BOLT 3/4" x 4.1/2" WITH 2 NUTS & 2 WASHERS (AS PER SPECS ATTACHED)		500	Each					
46	BOLTS A.S. ASTM A193 B7, NUTS A194 2H, WASHERS 2A [46] 09260653 STUD BOLT 3/4" x 4.1/2" WITH 2 NUTS & 2 WASHERS (AS PER SPECS ATTACHED)		500	Each					
47	WELD PIPE FITTINGS - LONG RADIUS ELBOWS [47] 09111111 ELBOW 90DEG. LR 8" x 0.375" WT. A234 WPB (AS PER SPECS)		20	Each					
48	WELD PIPE FITTINGS - LONG RADIUS ELBOWS [48] 09114193 ELBOW 90DEG. LR 6" x 0.280" WT. A234 WPB (AS PER SPECS)		20	Each					
49	BLIND FLANGES [49] 09184513 FLANGE BLIND 8" RF #600 (AS PER SPECIFICATIONS ATTACHED)		10	Each					
50	WELD NECK FLANGES [50] 09153503 FLANGE WELD NECK 8" RF CLASS 150 BORE 7.625" A105 (AS PER SPECS. ATTACHED)		30	Each					
51	WELD PIPE FITTINGS - REDUCING TEES [51] 09424563 TEE REDUCING 4" X 4" X 2", 0.337" X 0.218" WT, ASTM, A234 WPB (AS PER SPECS. ATTACHED)		30	Each					

Delivery Schedule: Complete shipment is required within 24 to 28 weeks (or earlier) from the date of issuance of L/C.
FIXED BID SECURITY USD 1,060 OR PKR 5,00,000

NOTE TO SUPPLIER: * According to SRO827(1)2001, "engineering goods" means good specified in CGO11/2007, as per SRO the bidder will be considered as local manufacturer for the engineering goods if their names are appearing in the CGO list.

IMPORTANT

We draw your special attention to :

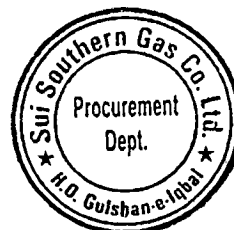
- Prices given here in shall take into account with relevant factors including discounts, if any.
- Proforma Invoice of the principal is mandatory required to be submitted by the Supplier which shall match with the price schedule.
- In case when bidder submit alternate bids a separate bid bond for each bid is required, otherwise bid will be liable for rejection.
- All offer shall remain valid up to 120 days from the date of opening of bids and bid bond shall remain valid for 150 days.
- The prices on FOB and C&F (PNSC freight to be submitted by the bidder(s) is mandatory) basis should be quoted separately as given above.
- Following information shall be mentioned in the bid.
(a) Country of Origin (b) Port of Shipment (c) Estimated Gross weight / Volume
- The bid validity and the delivery schedule shall match with the schedule of Requirement / Bid Form. In all circumstances the bid validity and delivery schedule given on Schedule of Requirement / Bid Form will prevail without any further recourse.
- Any Bidder who change/amend the BOQ or Price Schedule (Description, Quantity, UOM etc.) will render the bid as conditional and will be liable for rejection.

Signature : _____
 Person Name : _____
 Company's Name : _____
 Date : _____



STAMP

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



Section-4

Spec. No. PIF-SPE-GE-0400	
Page 1 of 19	Rev. 00

NOT FOR BIDDING PURPOSE

SSGC SUI SOUTHERN GAS COMPANY LIMITED (SSGC)

TECHNICAL SPECIFICATION FOR
PIPE FITTINGS



RECEIVED
22 FEB 2024
ASGM (T) Office-KT




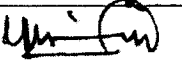
RECEIVED ASGM (TS)
23 FEB 2024
Sr. # 6452
Sui Southern Gas Co. Ltd.

RECEIVED
29 FEB 2024

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GENERAL

1.1 Scope

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

1.2 Definitions

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

1.3 Errors or Omissions

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

1.4 Deviations

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

1.5 Conflicting Requirements

1.5.1 In the event of conflict, inconsistency or ambiguity between the contract's scope of work, this Specification, National Codes & Standards referenced in this Specification, the Contractor shall refer to the Owner whose decision shall prevail.

1.5.2 Some requirements in this specification may be modified by specific requirements in the Schedule of Requirement. In case of conflict, the specific requirements supersede this specification.

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 for Testing and Materials
ATM	Atmosphere

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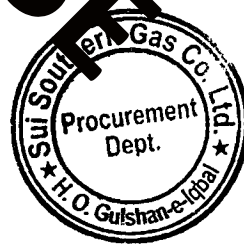
ABBREVIATION	NAME
BE	Beveled End
Cr	Chromium
CS	Carbon Steel
D	Diameter
Gr.	Grade
HEX	Hexagonal
Max	Maximum
OD	Outside Diameter
R	Radius
RF	Raised Face
RJ	Machined Face for Ring Joint
RTJ	Ring Joint Face
Sch	Schedule
SMLS	Seamless
SOR	Schedule of Requirements
STD	Standard

3 CODES, REGULATIONS AND STANDARDS

Manufacturer shall meet or exceed the requirements of the latest edition of the following applicable codes, regulations and standards, except as superseded herein:

- ASME B 1.1 Unified Inch Screw Threads (UN, UNR, and UNJ Thread Forms)
- ASME B 18.2.1 Square, Hex, Heavy Hex, and Askew Head Bolts and Hex, Heavy Hex Hex Flange, Lobed Head, and Lag Screws (Inch Series)
- ASME B 18.2.2 Nuts for General Applications: Machine Screw Nuts, Hex, Square, Hex Flange, and Coupling Nuts (Inch Series)
- ASME B 2.1 Pipe Threads
- ASME B31.8, Gas Transmission and Distribution Piping Systems

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- ASME B31.3, Process Piping
- ASME Section VIII, Div – 1, Pressure Vessels
- ASME Section IX, Qualification Standard for Welding and Brazing Procedures, Welders, Brazers and Welding and Brazing Operators.
- ASME Section V, Non-Destructive Examination.
- ASME B16.9, Wrought Steel Butt-Welding Fittings
- ASME B16.11, Steel Socket Weld Fittings
- ASME B31.10M, Welded and Seamless Wrought Steel Pipe
- ASME B36.10M, Stainless Steel Pipe
- API 5L, Specification for seamless and welded steel pipe
- ASTM Standards, as applicable
- MSS SP-75, Standard Specification for high-test, wrought, butt-welding fittings
- MSS SP-25, Standard marking system applies to the marking of new valves, fittings, flanges, and unions used in piping connection

4 GENERAL REQUIREMENTS

- 4.1 This Specification covers the supply of Butt Welding Fittings, Stud Bolts and Nuts, Screwed Fittings (High and Low Pressure), Well-bolts & CP set (Flange Insulation Kit), Unibolt-Cap/Q.O.C, for API 5L X70/X60/X52, 42 inch API 5L Grade 'B' buried pipeline or above ground installations in natural gas transmission line designed for a maximum operating pressure of 1300/720/275 psig and a maximum temperature of 75°C. Design Factor for material in this specification shall be 0.50.
- 4.2 The latest editions of ANSI, API and ASTM Standards as specified in this document, are the minimum accepted standards. High test wrought butt welding fittings conforming to MSS SP-75 and MSS SP-44 may be acceptable, and to be specified.
- 4.3 The Bidder shall however, submit with his bid, copies of alternative standards in the English Language, with relevant specifications clearly underlined for easy comparison with the referenced standards. Printed technical literature for all the items quoted shall also be submitted which shall be in English Language .
- 4.4 Inspection and Testing shall be carried out by the Supplier at the manufacturing plant. All fittings and material shall be visually examined and dimensionally checked for conformity to Purchaser's specifications and tested under the applicable codes and standards to make sure they conform to their intended use.
- 4.5 The Supplier shall submit six copies of inspection and MTC to the Purchaser prior to delivery or with delivery of material. The purchaser has right to reject the consignment if bidder has failed to provide MTC. In case of Welding Fittings, Elbow, Caps, Tees and Reducers, each (such) certificate shall show the results of tests made under this

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specification such as yield strength, ultimate strength, elongation, toughness and correct dimensions and shall show the Purchaser's Purchase Order number.

4.6 All butt welding ends of welding fittings covered by this specification shall be machined, consistent with the ends of adjacent pipes or fittings of dimensions specified in the schedule of requirement, all such fittings shall be beveled for welding in accordance with figure I-4 or I-5 Appendix-I of ASME B 31.8.

4.7 All finished ends of such fittings shall be free from laminations or other defects and shall be inspected by ultrasonic methods over a length of 25 mm (1") from the ends.

4.8 Construction drawing of offered items shall be submitted by the bidder for purchaser review/approval.

5 MANDATORY REQUIREMENTS

5.1 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, if applicable. However, in any case, Bids from stockiest and Brokers will be rejected.

5.2 The suppliers/local agents are required to submit valid authorization letter from the manufacturer failing which will make bid non-compliant.

5.3 The bidder shall provide a clear and concise, clause by clause, compliance or exception (with detail), commentary to these technical specification duly signed and stamped on each page by Manufacturer which is mandatory for technical evaluation, failing to submit this document may be considered non responsive.

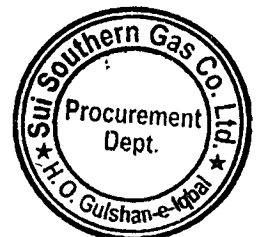
5.4 Offered Items shall comply with the requirement of this Specification. Quoted items which do not strictly comply with the requirements of this specification are liable for rejection. However, if there is any deviation with the specification for the offered item. The bidder may submit the deviation sheet covering details of respective clause and bidder's offer against the clause. Acceptance of such deviation does not guarantee of approval and this would depend on discretion of purchaser.

6 WELDED FITTINGS
(Elbows, Tees, Reducers, Caps etc.)

6.1 All wrought fittings covered by this specification shall be in accordance with WP 70/60/52/46/42 (for 16" & above), ASTM Specifications A234 WPB or A381 (for 1" to 12") or other approved Codes and as specified in Schedule of Requirement.

6.2 The fittings end shall be prepared in accordance with latest edition of ANSI B 16.25 and shall be suitable for welding with API 5L X70 /X60 / X52/ X42 & API 5L Grade 'B' pipes having standard thickness (as per ANSI B36.10) or as specified in the SOR.

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6.3 All such fittings shall be equipped with weld ends consistent with the strength and the dimensions specified for the line pipe to which said fittings will be welded. The plate offset (weld end/pipe) shall not exceed + 1.6 mm (1/16"). The chemical composition of the weld ends shall meet the following requirements:

Maximum Carbon Contents	0.22 %
Maximum Silicon Contents	0.40 %
Maximum Manganese Contents	1.50 %

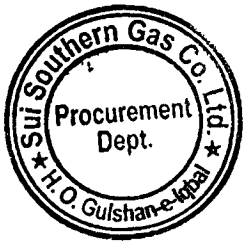
- 6.4 All steel used in fittings under this specification shall be semi-killed or fully-killed and ladle and plate analyses shall be made and the composition data shall be recorded in certificates.
- 6.5 All welding operations under this specification shall be in accordance with the requirements of the American Welding Society and Section IX of the ASME Boiler and Pressure Vessel Code of ASME B31.1 and all welded joints shall have a strength not lower than that of the parent metal (weld joint factor = 1).
- 6.6 The fitness of all welding electrodes used under this specification shall be demonstrated by test weld whose strength, hardness, elongation at fracture and toughness shall be determined.
- 6.7 Penetration in all welding operations under this specification shall be complete and where possible joints shall be welded from both the inside and the outside. Plate offset at all welded joints under this specification shall not exceed 10 % of the plate thickness of 2 mm (5/64") whatever may be less. The hardness of welds and the heat affected zone shall be 250 HV 10 (equivalent to 22 HRC) for welds made under this specification.
- 6.8 All dimensional standards and tolerances shall conform to ANSI B26.1 (latest revision), unless otherwise specified. The internal diameter tolerance for welding ends of fittings supplied under this specification shall be according to Table 11-1 of ANSI B16.9 and all internal diameters shall be determined by measuring the circumference of ends.
- 6.9 The out-of-roundness of welding ends of fittings supplied under this specification shall be determined by the following formula:

$$O = \frac{200 \times (OD \text{ maximum} - OD \text{ minimum})}{(OD \text{ maximum} + OD \text{ minimum})} \leq 0.5$$

Where,
 O = Out-of-roundness
 OD = Outside Diameter
 Said out-of-roundness shall not exceed 0.5.

- 6.10 The bore of all main pipe of tees supplied under this specification shall be checked by a sphere which shall have a diameter of 0.96 times the specified internal diameter.
- 6.11 The angle of bend of any fittings covered by this specification shall not differ from the

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angle specified, by more than 0.5° and all end faces shall be perpendicular to the center line of the fittings.

6.12 Testing of Completed Fittings

6.12.1 All welds and all repair welds made under this specification shall be inspected by radiographic methods. All surfaces of said welds shall be free from notches, dents, pits, laminations, electrode burns and other defects.

6.12.2 The surface of any extruded outlet of any tee supplied under this specification shall be inspected for cracks by magnetic particle inspection or by the dye-penetration method.

6.12.3 The mechanical properties of all fittings supplied under this specification shall be tested using specimens taken after the last heat treatment operation. For said purpose, all fittings shall be divided into groups consisting of fittings which have undergone the same heat treatment and give the same dimensions, shall be deemed one heat treatment, if the time versus temperature plot are the same. For each such group, the following requirements apply:

6.12.3.1 Two (2) tensile tests of the parent material (a tensile test for elbows) shall be made on transverse specimens to determine yield strength, ultimate strength and elongation at fracture. Said elongation shall not be less than 18%.

6.12.3.2 The yield strength to ultimate ratio shall not exceed 0.85 for any such specimen.

6.12.3.3 A tensile test of any weld shall be made on transverse specimens to determine ultimate tensile strength and elongation which shall not be less than 18%.

6.12.3.4 A set of three impact resistance tests of the parent material and any weld shall be made for fittings of a diameter 250 mm or more. The specimens for said tests shall be transverse specimens.

6.12.3.5 The minimum acceptable toughness measure by said tests, which shall be ISO V-notch 1/1 tests at 20°C shall be as tabulated below:

Parent Material		Weld Material	
Mean Value from 3 Tests	Lowest Single Value	Mean Value from 3 Tests	Lowest Single Value
27 Joules	22 Joules	27 Joules	22 Joules

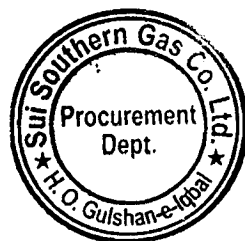
6.12.3.6 If the width of any specimen differs from the normal 10 mm width, then the toughness A_{vIP} measured shall be corrected by using the following formula:

$$A_v = 80 \text{ mm}^2 A_{vIP} / S_p$$

Where;

S_p = Specimen cross sectional area below the notch (mm^2).

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- 6.12.4 All hot forming operations under this specification shall be made at a temperature between 860°C and 1050°C. Any fittings or components supplied under this specification and formed at a temperature below 850°C shall be normalized. The temperature prior to and during any such hot forming operation shall be controlled accurately. No cold forming operations are authorized under this specification.
- 6.12.5 All Tees supplied under this specification shall have extruded or drop forged outlets and shall be perpendicular to the main pipe axis. Where specified, guide bars for scrapers shall be welded into any such tees, for branch size 6" and above.
- 6.12.6 Any Reducers supplied under this specification may consist of two welded hot formed parts.
- 6.12.7 Bursting strength of elbows, Tees and Reducers must equal or exceed computed bursting strength of pipe of the same diameter, wall thickness and material as specified for the elbow, tee and reducers as the Schedule refers.
- 6.12.8 Six copies of certificate giving result of bursting strength shall be provided of samples which has been tested in accordance with para 192.149 of ASME Guide for Gas Transmission and Distribution Piping System.

7 STUD BOLTS AND WASHERS

- 7.1 Alloy steel stud bolts complete with nuts and washers threaded length ASTM A193 Grade B7. Each with two American National Standard heavy hexagonal nuts ASTM A 94 Grade 2H conforming to the dimensions of standard ANSI B18.2.1 and B18.2.2 (latest revision) and two washers.
- 7.2 Studs to have Class 2A dimensions and nuts to have Class 2B. Stud bolt thread series and dimension class as required by ANSI B1.1 (latest revision) diameter 1" and smaller shall be of coarse thread series, 1" and larger diameter shall be 8 thread series as per schedule of requirements.

8 QUICK OPENING CLOSURES

- 8.1 Unibolt Cap/QOC shall be butt welded on vertical blowdown stacks. Design factor to be 0.5 and ASME U Stamp is required on Quick Opening Closure.
- 8.2 The cap cover shall have one side hinged and with a single bolt for QOC, the unibolt cap/QOC shall have tight sealing to prevent gas leakage when closed. QOC/unibolt should be installed with the safety interlock mechanism. In the open position, the cover shall not interfere with the blowing-off gas and shall rest with brackets or attachments so as to remain free from sonic vibration.
- 8.3 The cap cover shall not be threaded type and in open position should not be hung or suspended using jib arm above the stack so as to minimize vibration and interference

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with the blowing off gas.

- 8.4 Unibolt cap/QOC shall have weld end, beveled to an angle of $37\frac{1}{2}^{\circ} + 2\frac{1}{2}^{\circ}$ to perpendicular from axis of the cap leaving a land of $1/16" + 1/32"$ for welding to API 5L Grade pipe.
- 8.5 Unibolt Cap/QOC shall be suitable for (i) 1200 psig operating pressure and shall be hydrostatically tested to 1800 psig (ii) 720 psig operating pressure and shall be hydrostatically tested to 1080 psig (iii) 225 psig operating pressure and shall be hydrostatically tested to 337.5 psig for class rating as given in the schedule of requirements.
- 8.6 Forged carbon steel to ASTM A 105 or equivalent to be used suitable for welding to API 5L Grade pipe or API 5L X-70. Construction and material shall fulfill the requirements of Code ANSI B 16.9 and ANSI B 31.8 for Gas Transmission and Distribution Piping System
- 8.7 Sealing gasket shall be of material resistant to natural gas, methanol, hydrates and hydrocarbons.
- 8.8 Construction detail drawings of QOC will be submitted by the bidder for purchase review/approval with manufacturer's sig. & Stamp, make & model with the bid documents.
- 8.9 Embossed Marking
 - 8.9.1 The identification marks listed above shall be stamped using rounded dies with type at least 4 mm high. The marked area shall be covered with weather resistant clear lacquer and surrounded with a frame of reflective white paint.
 - 8.9.2 One end of each fitting supplied under this specification shall be marked as follows:
 - Manufacturer's Mark
 - Project Mark
 - Design Pressure
 - Material Grade
 - Purchase Order Number
 - Inspector's Stamp "U-Stamp"

9 SCREWED FITTINGS

9.1 Screwed Fittings (High Pressure)

- Hexagonal heads bull plugs
- Thread O Lets
- Unions (Integral Steel Seats)
- Elbows
- Swaged Nipple (Seamless, ends welded/threaded as specified in the SOR)
- Tees

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- Insulating Unions with insulating material

9.1.1 The above screwed fittings under this specification shall conform to forged carbon steel materials in ASTM A-105 (latest revision) and 3000 lbs rating or as specified in Schedule of Requirement. The threads shall conform to ANSI standard B 2.1 (latest revision). The dimensions shall be in accordance with ASME B16.11. These screwed fittings shall be supplied per schedule of requirement.

9.1.2 **Sample**
Bidders shall submit the sample of the quoted items along with the bid for testing/technical evaluation purpose.

9.2 **Screwed Fittings (Low Pressure)**

9.2.1 **Fitting Size (1/2 inch to 12 inch)**

- Union (Integral Steel Seats)
- Elbow
- Reducing Elbow
- Hexagonal Reducer Bush
- Cap
- Equal Tee
- Socket
- Plug
- Hexagonal Nipple

9.2.2 **General Specific Requirement**

Screwed Fittings (Low Pressure) furnished under this specification shall conform to the requirements of the latest edition of the BS-143 and 1256:2000, ASTM A197 (Latest Edition). Threaded pipe fittings in malleable cast iron or cast copper alloy.

- **Union:** The plain edge union shall have spherical/conical or rubber washer seats.
- **Socket:** The socket shall not have full threads. The socket/coupling should have a chamfered collar or knurled surface.
- **Bush:** The bushing shall have hexagonal head.
- **Exterior Finish:** Fittings materials shall have black finish.

9.2.3 **Technical Requirement**

Pressure Rating and Temperature:

9.2.3.1 Fitting shall be capable to sustain a gas pressure of at least 150 psig without leak or damage and suitable for use in ANSI Class-150 lb gas network.

9.2.3.2 Fittings should be suitable for use in an environment with a temperature range

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between -20°F (-28.9°C) to 150°F (65.5°C).

9.2.4 Threads

9.2.4.1 Pipe threads shall conform to the requirement for taper pipe threads in the latest edition of the British standards taper pipe threads (except dry seal) BS-21.

9.2.4.2 Threads shall have proper depth and shall be free from any discontinuity and distortion.

9.2.4.3 The maximum allowable taper in threads shall not be more than 1 in 16 measured to the diameter.

9.2.5 Identification

Following information shall be permanently marked on screwed fittings.

- At least one of the following should be embossed on fittings:
 - Trade mark/Manufacturer's logo/Name.
- Size of fittings should be marked on body.
- Schedule/Pressure Class (15, 30, 60)

9.2.6 Testing facility (In Case of Local Manufacturing)

9.2.6.1 Vendors/Bidder must have well-equipped testing facility in their premises.

9.2.6.2 A dedicated test Jig /Fixture shall be used by vendors to test leakage of screwed fittings.

9.2.6.3 If required SSGC representatives shall be allowed to witness vendors castings, forging, machining and testing facility at any time.

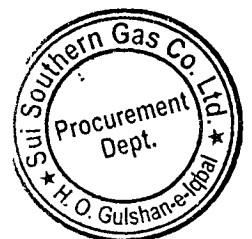
9.2.7 Sample Submission

9.2.7.1 Vendors/bidders will provide free of cost (FOC) three sets of screwed fittings at the time of sample submission. "The sample shall be properly sealed and packaged in a box with supplier/ vendor name.

9.2.7.2 Material test reports from SSGC approved testing lab/Mill (certified from manufacturer in English language) must be provided by the vendor. For confirmation of chemical and mechanical properties at the time of submission of samples if required, SSGC may suggest any other accredited lab for the testing during the span of tender. Currently following labs are approved by SSGC.

- People's Steel Mill.
- Karachi Shipyard and Engineering works
- PCSIR
- Mehran University of Engineering and Technology.
- SGS
- Metallurgical laboratories (ML) POF-Wah.

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- NED University of Engineering and Technology.

9.2 Packaging and Supply

- 9.2.8.1 The screwed fittings shall be supplied in packing of maximum 30 pieces in new cartons.
- 9.2.8.2 Screwed fittings must be packed in corrugated cartons with separators and vendor name printed.
- 9.2.8.3 Packaging must ensure to protect the screwed fittings from handling or transportation damages.
- 9.2.8.4 Vendors/suppliers must ensure timely delivery of screwed fittings as per procurement plan provided by SSGC.

10 WELD-O-LETS (WOL)

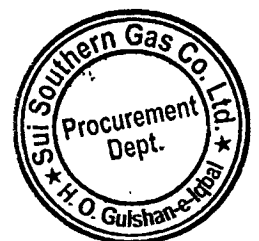
- 10.1 WOL for making integrally reinforced branching outlet on run pipe shall be of forged carbon steel in ASTM A-105 and of Schedule 60/80/120 as specified. The welding end preparation shall be for 2" Nominal Bore Schedule 60/80/120 branch pipe of API 5L Grade B/X42/X46/X52/X60/X70 or as specified in the Schedule of Requirement.
- 10.2 The WOL shall be designed in accordance with ANSI B 31.8 and suitable to fit on the run pipe sizes as specified in the description under Schedule of Requirement.
- 10.3 The dimensional standards and tolerances shall conform to ANSI B 16.9. The weld ability of the material shall be compatible with the pipe material of API 5L Grade B/X42/X46/X52/X60/X70 as specified in the Schedule of Requirement.

11 CP SET OR FLANGE INSULATION KIT

(CP set or Flange insulation kit with sleeve and two washers)

- 11.1 A Cathodic Protection Set or a flange insulation kit shall protect a flanged joint from corrosion from static currents (by preventing a metal-to-metal contact among flanges, stud bolts, and gaskets). A flange insulation kit consists of one washer for each nut, one full-length insulating sleeve for each bolt, a gasket (type F, E, D, O), and thick plate steel washers for each nut. Types of gasket insulation kits, designated as F, E, D, and O. Each type of flange kit fits flanges with specific faces (RF, FF, and RTJ).
- 11.2 The materials for Cathodic Protection Set or a flange insulation kit are by default, polyethylene or phenolic or as specified in the Statement of Requirement.
- 11.3 Type F gaskets are manufactured from 1/8" thick fabric based phenolic sheet either without coating or a with a nitrile rubber coating on the two faces. Type F gaskets are also available in non-asbestos fibers with high insulation capacity.
- 11.4 Type E flange insulation kits are available in phenolic, neoprene-faced phenolic, and

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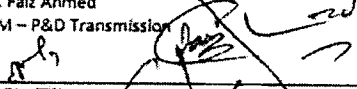

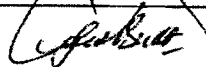
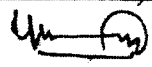
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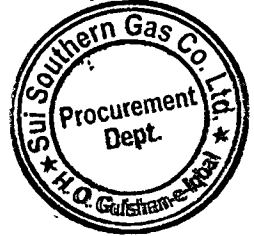
high-temperature materials.

- 11.5 Type "D" insulation kits, fit flanges with ring joint face, as they suit the ring joint groove of RTJ flanges (style R, RX, and BX). Type D gaskets are available in phenolic grade. This type of gasket is also called "API ring joint".
- 11.6 Type O Gaskets feature an extra sealing element on both sides of the device, generally, PTFE, Nitrile or Viton Rubber, and are available in both ring and full face design (type E and F). Type O Gaskets are manufactured with phenolic and G-10 materials.
- 11.7 Each Cathodic Protection Set or a flange insulation kit shall be packed in pizza style box labeled with Purchase Order No., Size, Pressure Rating, Flange Type etc.

12 WELDING AND NON-DESTRUCTIVE TESTING

- 12.1 All factory welds shall be made in accordance with the requirements of the American Welding Society and ASME Section VIII, Division I.
- 12.2 Procedure tests covering strength, hardness and toughness shall be made to show the fitness of the welding procedure used for factory welds and shall be made by welders qualified in the procedure used. All welds shall have passed an appropriate welder qualification test. All welding operations shall be supervised by a qualified welding supervisor.
- 12.3 All welds shall be inspected visually by the welding supervisor. Welds, welding ends and any repair welds shall be tested by appropriate non-destructive methods to demonstrate to the welding supervisor that all welds, welding ends and repair welds meet the requirements of these specifications.
- 12.4 Without limitation of the generality of the foregoing, all welds parallel to the longitudinal axis of the fittings, and 10% of all circumferential welds shall be inspected by radiographic methods. Each welding end shall be tested by dye penetration methods and each repair weld shall be tested by radiographic or ultrasonic methods. The welding ends of fittings shall be solidly sound and shall not be cause of failure in radiographic examination of the joints with piping.
- 12.5 Defects shall be removed, cleaned and prepared for inspection by magnetic particle or dye penetrant method to verify complete removal of the defect. Weld repair technique shall be in accordance with the approved welding procedures. All weld repairs to pressure containing parts shall be heat treated.
- 12.6 No weld in the body of any valve shall contain any lack of fusion. If feasible, body welds shall consist both of external and internal runs. Each weld shall be smooth and free from cracks. No weld shall contain any major inclusions. The height of the weld above the surface of the parent metal shall not exceed 1/8 inch. Undercuts shall not exceed 10% of the wall thickness or 3/64 inch, whichever is lower. Each welded joint shall be completely filled. No weld shall be thinner than the wall thickness of the parent metal.

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Approved By	A/SGM (TS) 	A/SGM (Transmission) 



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12.7 Magnetic particle or dye penetrant techniques shall be employed to test:

- Pressure containing components smaller than 2 inch welded to other pressure components.
- Welds Joining non-pressure components such as lifting lugs to pressure components.
- Weld build ups such as overlays.

12.8 Radiographic, ultrasonic or both techniques shall be used for full volume inspection of:

- Pressure containing fabrication welds for 2 inch or larger components.
- Weld repairs on these components.
- Major weld repairs to pressure containing components.

12.9 All welded construction shall be annealed if they include wall thickness of 1.20 inch or higher. All cast iron fittings irrespective of wall thickness, shall be annealed. The annealing process shall be carried out after all repair welds, if any, have been completed.

12.10 The inner surface of all steel castings shall be inspected by magnetic particle methods after cleaning. Machined surfaces of cast components and seat ring surfaces shall, after machining, be inspected by magnetic particle or dye penetration methods. All items shall be free of defects.

12.11 Machined surfaces shall be free from injurious defects in use and rust and finished condition shall be as per acceptable standards.

13 INSPECTION AND TESTING REQUIREMENTS

All the fittings shall be inspected and tested for the following as minimum requirement and in accordance with the internationally applicable codes.

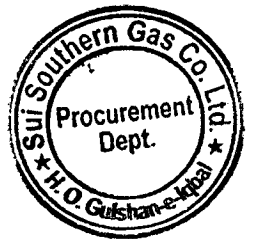
- Appearance Inspection (Workmanship).
- Visual Inspection.
- Dimensional Inspection.
- Hydrostatic Test and Leak Test. (If required)
- Functional/Operational Test. (If required)

14 MARKING

14.1 The identification markings shall be in correspondence with MSS SP-25, one end of each fitting supplied under this specification shall be marked as follows:

- Purchase Order
- Manufacturer's Mark
- Project Mark

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- Size and Pressure Rating
- Material Grade
- Inspector's Stamp
- Traceability number/Sr. Number

14.2 Identification marks listed above shall be die stamped, using rounded dies with type at least 4 mm high. The marked area shall be covered with weather resistant clear lacquer and surrounded with a frame of reflection with paint.

15 QUALITY CONTROL PROGRAM

15.1 The manufacturer shall provide documentation with the bidding documents for the in house quality control program which is strictly adhered to for the production of all manufactured equipment.

15.2 This program must adhere to an internationally accepted quality control standard such as ISO 9000 series and API Spec Q1. Failure to provide certification of proof of compliance may result in rejection of the bid.

16 DOCUMENTS

16.1 Copies of the following documents shall be submitted four weeks before the delivery of the material:

- Scale drawings with material data.
- Test inspection and material certificates.
- Calculation sheets, Data sheets and diagrams.
- Description of manufacturing and test procedure.
- Any deviations from the approved specifications must be approved by the Purchaser.

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 part binder, contents shall include but not be limited to the following (as applicable):

- Front cover sheet detailing:
 - P.O. No.
 - Project Title
 - Equipment Title
 - Equipment Item No.
- Index

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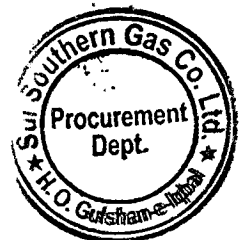
- Purchaser Release Note
- Purchase Order
- A list of all applicable codes, standards and specifications
- All drawings "As-built" - wherever legibility can be preserved, reduced to A3 and where legibility cannot be preserved, drawings to be folded to A4 size and inserted into pre-punched plastic wallets.
- NDT procedures
- All NDT/VT/HT/ Hydrostatic/ Performance test reports
- Photocopy of Nameplate
- Material chemical analysis and mechanical test certification
- Final signed quality plan
- Material test certificates
- Mechanical design calculations
- Procedure Qualification Records
- Welding qualification Test
- Painting inspection certificate
- Manufacturing Data Records (MDR)
- Installation Drawings and Procedures
- Operation and Maintenance Manual
- Schedules of commissioning spare parts

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 INSPECTION, TESTING AND INSPECTION CERTIFICATE

- 17.1 The Supplier shall cause inspection certificates to be issued and certified by an inspector of his own quality assurance department appointed for this purpose.
- 17.2 Each such certificate shall show the results of tests made under these specifications such as tests of the functions of the fittings to be supplied, correct dimensions and shall show the Purchaser's Contract Number/Purchase Order Number/Size/Pressure Rating.
- 17.3 Both inside and outside surfaces of casting material shall be free from harmful blowholes, fins, seizures of sand scales, sand inclusions and cracks and shall be in accordance with MSS-SP-55.
- 17.4 Machined surfaces shall be free from injurious defects in use and rust and finished condition shall be as per acceptable standards.
- 17.5 Dimensional inspection shall be done by using appropriate measuring instruments.

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Dimensional Inspection shall confirm the parallelism, rectangularity and face-to-face dimensions, bore diameter etc. All outline dimensions shall comply with the approved drawings.

18 SALES TRACK RECORD

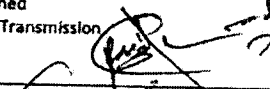

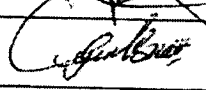
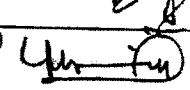
- 18.1 The Bidder shall submit the supporting documents of sales track record for the offered Pipe Fittings including copies of purchase order/satisfactory certificate of five (5) different end users related to Oil & Gas Sector with similar requirement along with their email, full address of end user's company domain and not the commercial domain like Yahoo or Hotmail, etc.), fax, telephone, address and name of persons to contact to whom they have supplied the Pipe Fittings within the last five (05) years and have been successfully constructed and operated.
- 18.2 Simply submitting a list of customers, to whom the manufacturer has been supplying the Pipe Fittings, will not meet the intent and purpose of this requirement. Failure to comply with this requirement may result in rejection of the bid.

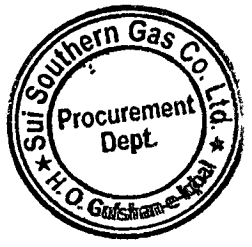
19 RESERVATIONS

- 19.1 The purchaser shall have the right to reserve or deployment of 3rd Party Inspection service at any time of the fabrication, testing and shipment of offered items supplied in accordance with these specifications and to verify compliance with the terms and conditions of the contract Terms of references (T.O.R) attached with the bid document.
- 19.2 The supplier shall give due and proper notice of commencement of offered items fabrication and test under these specifications to the Purchaser/Third party inspector appointed by SSGC.
- 19.3 The Purchaser reserves the right to increase, decrease and delete the quantity of all the items given herein the Schedule of Requirement.

20 PACKING

- 20.1 Protection against corrosion/deterioration shall be given special attention. Machine steel and iron parts shall be heavily greased/varnished as a preventive measure against rust, and grease where used shall be such that retains its consistency, does not melt at tropical temperature and is acid free.
- 20.2 All handling, loading and unloading shall be done in such a manner as to minimize mechanical damage. Suitable timber shall be used to protect the joints against damage in transit.
- 20.3 The WPF shall be so packed, transported and stored as to prevent damage prior to delivery. The Manufacturer shall warrant that the WPF will remain clean and dry during transportation and storage until installation.

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- 20.4 Chamfers shall be protected by an anti-rust paint or mastic easy to remove.
- 20.5 Packing and crating shall be robust and sea worthy in wooden case.
- 20.6 Weld pipe fittings should not be provided in open palette with plastic wrap.
- 20.7 Stud bolts should be provided in set form with 2 nuts and 2 washer. The packing should be in the form of sets.

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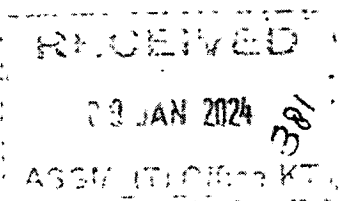
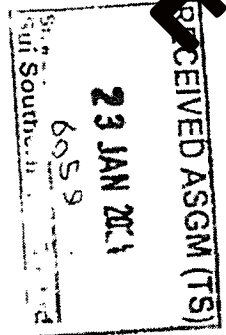




SUI SOUTHERN GAS COMPANY LIMITED (SSGC)

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TECHNICAL SPECIFICATION FOR
FLANGES



07 FEB 2024

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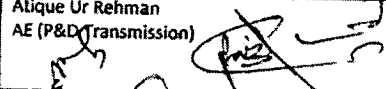

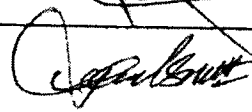
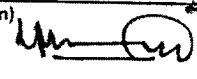
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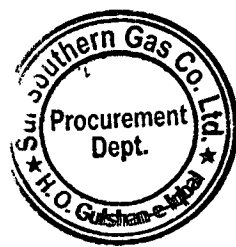
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Approved By	A/SGM (TS) 	A/SGM (Transmission) 





1 GENERAL

1.1 Scope

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

1.2 Definitions

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

1.3 Errors or Omissions

Any errors or omissions noted by the Manufacturer in this Specification shall be immediately brought to the attention of the Purchaser.

1.4 Deviations

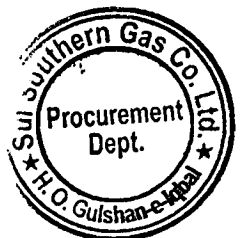
All deviations to this specification shall be brought to the knowledge of the Purchaser in the bid. All deviations made during the procurement, design, manufacturing, testing and inspection shall be with written approval of the Purchaser prior to execution of the work. Such deviations shall be shown 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's scope of work, this Specification, and National Codes & Standards referenced in this Specification, the Purchaser shall be consulted and a ruling, in writing, shall be obtained before any work is started.

1.5.2 Some requirements in this specification may be modified by special requirements in the Schedule of Requirements. In case of conflict, the specific requirements supersede this specification.

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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 for Testing and Materials
MTC	Material Test Certificate
SOR	Schedule of Requirements

3. CODES, REGULATIONS AND STANDARDS

Manufacturer shall meet or exceed the requirements of the latest edition of the following applicable codes, regulations and standards, except as superseded herein.

- ASME B31.8, Gas Transmission and Distribution Piping Systems
- ASME B1.1, Unified Screw Threads
- ASME B1.20.1, Pipe Threads General Purpose (Inch)
- ASME B16.47, Large Diameter Steel Flanges (NPS 26 through NPS 60)
- ASME B16.5, Steel Pipe Flanges and Flanged Fittings
- ASME B36.10, Welded and Seamless Wrought Steel Pipe
- ASME Section V, Non-Destructive Examination
- ASME Section VIII, ASME Boiler and Pressure Vessel Code
- ASTM Standards (as applicable)
- API 5L, Specification for Line Pipe
- MSS SP-25, Standard Marking System for Valves, Fittings, Flanges and Unions
- MSS SP-44, Steel Pipeline Flanges

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4 GENERAL REQUIREMENTS

- 4.1 This specification covers the supply of flanges for both above-ground installations and buried pipelines in natural gas pipelines, designed for a maximum operating pressure/ANSI class rating as specified in the Schedule of Requirements and a maximum temperature of 60°C.
- 4.2 The Supplier shall submit six certified copies of inspection and testing certificates (pertaining to the physical properties and chemical composition/properties) to the Purchaser and Purchaser appointed Third Party Inspector prior to delivery or with delivery of material. Each (such) certificate shall show the results of tests made under this specification (such as yield strength, ultimate strength, elongation, toughness, correct dimensions and chemical composition), date of inspection and the Purchase Order number. The Purchaser or Third Party Inspector has the right to reject the consignment if bidder has failed to provide MTC.
- 4.3 Inspection and testing shall be carried out by the manufacturer at the manufacturing plant. All flanges shall be visually examined for conformity to Purchaser's specifications and tested under the applicable codes and standards to make sure they conform to their intended use.
- 4.4 The Purchaser shall have the right to witness or deploy Third Party Inspection service at any time during the fabrication, testing and shipment of flanges supplied in accordance with these specifications and to verify compliance with the Terms and conditions of the contract and Terms of references (TOR) attached with the bid document.
- 4.5 The Supplier shall give due and proper notice of commencement of flange fabrication and test under these specifications to the Purchaser/Third party inspector appointed by SSGC.
- 4.6 The Purchaser reserves the right to increase, decrease and delete the quantity of all the items given herein the Schedule of Requirements.

5 MANDATORY REQUIREMENTS

- 5.1 Bids are invited directly from the Manufacturer or their authorized local agent in Pakistan. Beside local agent, principle involvement would be acceptable as regional Sales Representative, if applicable. However, in any case, Bids from stockiest and Brokers will be rejected.
- 5.2 The suppliers/local agents are required to submit valid authorization letter from the

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manufacturer failing which will make bid non-compliant.

5.3 The bidder shall provide a clear and concise, clause by clause, compliance or exception (with detail) commentary to these technical specification duly signed and stamped by manufacturer on each page which is mandatory for technical evaluation, failing to submit this document may be considered non responsive.

5.4 Offered items shall comply with the requirement of this Specification. Quoted items which do not strictly comply with the requirements of this specification are liable for rejection. However, if there is any deviation with the specification for the offered item. The bidder may submit the deviation sheet covering details of respective clause and bidder's offer against the clause. Acceptance of such deviation does not guarantee of approval and this would be at the discretion of purchaser.

5.5 **Printed Literature**
Original printed technical literature catalogue of the manufacturer must be submitted with the bid, showing technical details of all the quoted items, meeting SSGC's specified requirement.

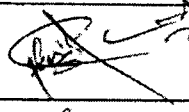

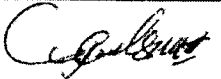
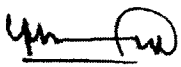
5.6 **Sales Track Record**

5.6.1 The Bidder shall submit the supporting documents - sales track record for the offered flanges, including copies of purchase order & satisfactory certificate of operations of five (5) different 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 flanges within the last five (05) years and have been successfully installed and operated.

5.6.2 Simply submitting a list of customers to whom the Manufacturer has been supplying the offered flanges will not meet the intent and purpose of this requirement. Failure to comply with this requirement may result in rejection of the bid.

5.7 **Quality Certificate**

5.7.1 The manufacturer shall provide documentation with the bidding documents for the in-house quality control program which is strictly adhered to for the products of all manufactured items. This program must adhere to an internationally accepted quality control standard such as ISO 9000/9001 series or API Spec Q1. Failure to provide certification of proof of compliance may result in rejection of the bid.

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5.8 Inspection

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

6. SPECIFIC REQUIREMENTS

6.1 Flange Type

The flanges shall be weld neck or blind type as specified in the SOR.

6.2 Pressure Rating

The flanges shall be of ANSI Class as specified in the Schedule of Requirements.

6.3 Internal Diameter (I.D)

Internal diameter of flanges shall be as per Schedule of Requirements.

6.4 Weld Ends

6.4.1 Suitable for welding with line pipe conforming to API 5L having standard thickness as per ASME B36.10 or as mentioned in the Schedule of Requirements.

6.4.2 All finished ends of such flanges shall be free from laminations or other defects and shall be inspected by ultrasonic methods over a length of 25 mm (1") from the ends.

6.5 Material

6.5.1 All flanges under this specification shall be forged or die forged and shall be hot worked.

6.5.2 The material used for flanges covered by this specification shall be ASTM A 105 for size less than or equal to 12" or ASTM A 694 (Grade F 70, 60, F 52/F 46/F42) for sizes 12" or larger as specified in the Schedule of Requirements. The composition of said material (ladle analysis) shall meet the following requirements:

Maximum Carbon Content	0.24%
Maximum Silicon Content	0.40%
Maximum Manganese Content	1.50%
Maximum Sulphur Content	0.04%
Maximum Phosphorus Content	0.04%

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6.6 Facing

6.6.1 Flanges shall have a raised face (RF) or flat face (FF) or ring type joint (RTJ) or as specified in the BOR. The surface shall be free of defects such as cuts, dents, etc.

6.6.2 For flanges with raised face, the raised face height shall be as per ASME B16.5 or ASME B16.47 according to the respective ANSI Classes.

6.7 Finish

Flanges shall be coated with rust inhibiting paints.

7 HEAT TREATMENT

7.1 Flanges shall be furnished in the heat-treated condition when specified in the Schedule of Requirements.

7.2 Heat treatment shall be annealing, normalizing, or normalizing and tempering or quenching and tempering in accordance with ASTM A961/A961M.

7.3 Details of the heat treatment employed shall be reported on the manufacturer's MTCs.

8 DIMENSIONS

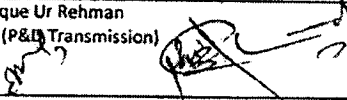
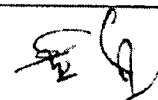
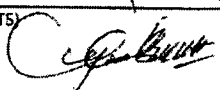

The dimensional standards and tolerances of all flanges covered by this specification shall conform to the latest editions of ASME B16.5 for sizes ≤24" and ASME B16.47 (Series A) for sizes larger than 24".

9 MARKING

9.1 Flanges shall be marked as required in MSS SP-25, except as noted in para. 4.2 of ASME B16.5 or para. 4.1 of ASME B16.47.

9.2 Flanges supplied under this specification shall be marked as follows:

- Manufacturer's Name or Trademark
- Material Designation (Material Grade)
- Rating Designation (Pressure Rating Class)
- Temperature (With Corresponding Limiting Pressure For Material)
- Size (NPS)
- Ring-Joint Flange Ring Number, when applicable
- Indication of Conformance to ASME B16 Standards (if applicable)

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Approved By	A/SGM (TS) 	A/SGM (Transmission) 

date





9.3 The identification marks listed above shall be die stamped, using rounded dies with type at least 4 mm high. The marked area shall be covered with weather resistant clear lacquer and surrounded with a frame of reflection with paint.

10 INSPECTION AND TESTS

10.1 Visual Inspection

Flanges shall be free from injurious defects (cuts, dents, etc.) and have workmanlike finish.

10.2 Tensile Testing

10.2.1 Tensile testing shall be as per written procedures mentioned in ASTM A370.

10.2.2 The tensile strength shall not exceed the ASTM minimum specified tensile strength by more than 15%. The ratio of yield strength to tensile strength shall not exceed 0.90.

10.2.3 The following test specimens shall be taken from one flange forging of each heat of base material used in the manufacture. Purchaser or Inspector shall select the flange forging for testing purposes.

10.2.4 Two tensile specimens shall be taken from the disc of the flange; one shall have its lengthwise axis normal to the base of the flange, the second shall have its lengthwise axis at right angles to the first specimen.

10.3 Impact Testing

10.3.1 Three Charpy impact test specimens of size as mentioned in ASTM E23 shall be taken from the hub with their lengthwise axis tangential to the flange bore and three specimens equally spaced around the hub.

10.3.2 Impact testing shall be as per written procedures mentioned in ASTM A370.

10.4 Hardness Testing

Hardness testing shall be as per written procedures mentioned in ASTM A370.

10.5 Non Destructive Testing

All weld ends shall be examined by radiographic or ultrasonic methods in accordance with ASME Section V.

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FINAL DOCUMENTATION

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

11.2 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):

- Process flow sheet detailing:
 - P.O. No.
 - Project Title
 - Equipment Tag No.
 - Equipment Item No.
- Index
- Purchaser Release Note
- Purchase Order
- A list of all applicable codes, standards and specifications
- 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.
- NDT procedures
- All NDT/PWHT/Hydrostatic/Performance test reports
- Photocopy of Nameplate
- Material chemical analysis and mechanical test certificates
- Final signed quality plan
- Material test certificates
- Mechanical design calculations
- Procedure Qualification Records
- Welding qualification Tests
- Painting inspection certificates
- Manufacturing Data Records (MDR)
- Installation Drawings and Procedures
- Operation and Maintenance Manual
- Schedules of commissioning spare parts

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Approved By	A/SGM (TS)	A/SGM (Transmission)



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11.3 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.

12 PACKING

- 12.1 After inspection and test, all items shall be completely freed of water, dried and prepared for shipment.
- 12.2 Flanges shall be prepared for shipment in a manner that damage or atmospheric corrosion of internal or external surfaces is avoided during storage and transport.
- 12.3 Exposed finished and machined surfaces shall be given a heavy coating of rust inhibition compound. Application of rust prevention is generally not required for alloy and non-corrodible materials.
- 12.4 Flange facings and butt-welding ends shall be protected with wood, plastic or metal covers. These covers shall protect facing and ends. When butt-welding bevels are protected with metal covers, a layer of nonmetallic material shall also be provided between the butt-welding bevel and metal cover. Tape shall not be used as the sole covering method.
- 12.5 All items after necessary preparation shall be packed in the sea worthy crates. Crates shall be constructed of well-seasoned sound lumber that has no splits or rotted sections. All items shall be secured to the base of the container and braced or blocked within the container. The supplier shall consider that the material can be involved in several loading and unloading operations; that the shipment may involve truck, rail, ship, and barge or air transportation; and that there may be prolonged periods of storage or idleness before these items are put into service.

Reviewed By	Atique Ur Rehman AE (P&D Transmission)	Mr. Mehboob Ali Manager (Transmission)
Approved By	A/SGM (TS)	A/SGM (Transmission)

date



NOT FOR BIDDING PURPOSES

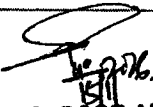
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Transmission Department
Technical Specification Sheet

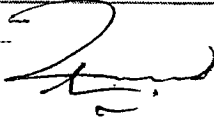
Specification No. **MPLI/KT-30/78**

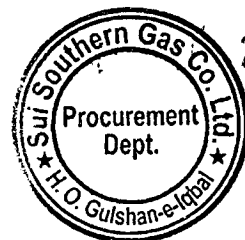
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Stud Bolts with Nuts and washers

1.	General Requirement:
	Required alloy steel ASTM A193 Grade B7 fasteners with nuts & washers for high pressure/temperature applications for natural gas transmission pipelines network.
2.	Specific requirements:
2.1	Required ASTM A193 Grade B7 fasteners for high pressure/temperature applications shall conform to the requirements of current edition of standard specifications for alloy steel bolting material in accordance with ASTM A-193. Each stud bolt shall be furnished with two nuts and two washers. Washers thickness should be 1/8" minimum.
2.2	Nuts shall conform to the current edition of standard specifications for carbon steel alloy Nut & Bolts for high pressure/temperature service in accordance to ASTM A-194.
2.3	Steel washers should be suitable & compatible to grade ASTM F-436; round, SAE Pattern, hardened & having plain finish.
3.	Grade:
3.1	Stud bolts shall conform to the physical properties of ASTM A-193 grade B7.
3.2	Heavy Hexagonal Nuts shall be made of a material conforming to the physical properties of ASTM A-194 grade 2H.
3.3	Steel washers should be of suitable to grade ASTM F-436; round, SAE Pattern, hardened & having plain finish.
4.	Dimensions & tolerances:
4.1	Stud Bolts shall have Class 2A, unified inch screw UN series threads. Dimensions & tolerances as specified in the current edition of the standard ANSI B. 1.1. Sizes 1" and below shall have UNC threads and 1-1/8" and above to have 8 UN threads.
4.2	Nuts shall have dimensions as per ANSI B. 18.2.2.
5.	Finish and Markings:
5.1	Plain finished oil.
5.2	On stud bolts symbol "B7" & Manufacturer's identification symbol/ mark on one end.
5.3	On Nuts symbol "2H" symbol/ mark.
6.	Packing:
	Shall be packed in sea-worthy robust woden box.
7.	Original printed technical literature/catalogue/brochure.
8.	Manufacturer authorization letter.


MEHBOOB ALI
Dy. Chief Manager
MPL-I Transmission
Sul Southern Gas Co. Ltd.,


SAEED ALAM
GM (Transmission)
Sul Southern Gas Co. Ltd



23 JAN 2026

Pre-Shipment Inspection Terms of Reference

- 1) To ensure that only brand new goods are being supplied.
- 2) To ensure that the goods strictly conform to the specifications mentioned in the purchase order. Material found defective or inferior in quality or different in specifications, mentioned in the Purchase order, is to be rejected.
- c) Re-conditional and used material is to be rejected straight away.
- d) To ensure that packing where applicable, is sufficiently robust, enough to withstand rough handling during ocean shipment and up country journey and protection against corrosion/deterioration. It is also to be ensured that shipping specifications indicated on each package/bundle.
- e) To ensure physical counting of items as per purchase order and suppliers invoice.
- f) To verify, Mill Inspection Certificate and Test Certificate are prepared as per requirement of purchase order and attach these to the Inspection Report to be submitted by you.
- g) To witness any test at the supplier's works when considered necessary by your Inspectors.

Manager (MPL-I)



General Manager (Transmission)

SUI SOUTHERN GAS COMPANY LIMITED

UNDERTAKING OF COMPLIANCE WITH INTEGRATED MANAGEMENT SYSTEM (IMS) MANUAL AND BLACKLISTING MECHANISM

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 have firm having accessed, read, and fully understood the **Integrated Management System (IMS) Manual** provided by Sui Southern Gas Company Limited (SSGC), available at the official website: <https://www.ssgc.com.pk/web/wp-content/uploads/2025/06/IMS-Manual-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. That the bidder has also read, understood, and accepted the **Blacklisting Mechanism of Sui Southern Gas Company Limited (SSGC)**, available at: https://www.ssgc.com.pk/web/wp-content/uploads/2024/09/blacklisting_mechanism_2024.pdf
6. Any type of violation of the tender terms and non-performance will result in the enforcement of the Blacklisting Mechanism, which will be dealt with in accordance with the Blacklisting Rules/Mechanism.
7. This affidavit is made in good faith and for the purpose of affirming our commitment to health, safety, environmental standards, and compliance with the **Integrated Management System (IMS) Manual** and the **Blacklisting Mechanism** of Sui Southern Gas Company Limited (SSGC), as well as all other applicable policies and procedures of SSGC.

Signed at _____ [City] on this _____ day of _____, 20__.

Signature: _____
Name: _____
Designation: _____
Company Name: _____
Contact Details: _____

(Company Stamp / Seal Mandatory)

Witnessed by:

Signature of Witness: _____
Name of Witness: _____
Date: _____

Signature of Witness: _____
Name of Witness: _____
Date: _____



NOT FOR BIDDING PURPOSE