



SUI NORTHERN GAS PIPELINES LIMITED

TENDER DOCUMENTS
FOR

CONSTRUCTION OF FENCING/BOUNDARY WALL FOR
COMPANY ACQUIRED LAND (CHITRAL TOWN, AYUN
AND DROSH) AT DISTRICT CHITRAL FOR
INSTALLATION OF LPG AIR MIX PLANT

INCHARGE (CIVIL)
CIVIL CONSTRUCTION DEPARTMENT
2ND FLOOR, SNGPL HEAD OFFICE,
21-KASHMIR ROAD, LAHORE

Phone No. 042-99201241
Fax. No. 042-99201332

APPENDIX-A

Time of Completion	05 months
Period of Maintenance	One Year calculated after date of completion
Earnest Money	57,000/- Rupees (Must be submitted at the Office of Incharge (Civil), Civil Construction Department, 2 nd Floor, Gas House 21 Kashmir Road Lahore in hard form along with Hard Copy of Tender Documents Signed & Stamped by Contractor before Tender Submission Time otherwise the bid would be declared non-responsive). Earnest money must be submitted with Technical Bid.
Amount of Performance Bond or Guarantee (as per sample attached)	Equal to ten percent of the amount of contract, to be issued by any of SNGPL's approved Insurance Company (list of SNGPL's approved Insurance Companies attached as Appendix-B). This should be submitted within 15 days of issuance of work order and will be returned after successful completion of maintenance period. In case of Contractors failure to submit performance bond in-time, equal amount will be deducted from his PPC-1 and the same will be returned after submission of performance bond by the Contractors.
Validity Period of Performance Bond	Till satisfactory completion of Maintenance Period
Period for commencement, from Company's order to commence	From actual date of site handover
Mode of Payment	The contract payment shall be made on as per actual site measurement of work completed and 1 st PPC will minimum 30% of work order amount
	<u>External Work / Internal Work</u>
Penalty on delay of Job	0.2% of the contract amount per day of delay
Maximum Limit of Penalty	10% of the total contract amount
Amount of Retention Money	10% of amount of work done from each PPC and total of 5% of gross value of work done from FPC. The amount retained more than 5% of FPC will be released in FPC.
Payment of Retention Money	After successful completion of maintenance period and / or after satisfactory rectification of all defects/deficiencies pointed out during maintenance period.
Time within which payment to be made	(60) sixty working days of SNGPL after site verification by SNGPL's Site Incharge
Tender Documents Fee	Rs. 2500/- against Pay Order in the Favor of M/s. Sui Northern Gas Pipelines Limited (non-refundable) Must be submitted at the Office of Incharge (Civil), Civil Construction Department, 2 nd Floor, Gas House 21 Kashmir Road Lahore before tender submission date and time, Without Submission of Tender Fee, Bid would be declared non-responsive.

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SUI NORTHERN GAS PIPELINES LIMITED
GENERAL TERMS AND CONDITIONS

1. SITE CONDITIONS, CLEARING AND GRUBBINIG

The tenderers shall fully acquaint themselves with the site, site conditions, clearing and grubbing (clearing and grubbing shall be the responsibility and Contractors) etc. affecting in any way the cost of construction etc., before tendering. The work is to be completed in all respects, fully functional, all internal services are to be properly connected to the external services. The work also includes all necessary arrangements required to be made at site according to site requirements.

2. TENDER PREPARATION AND SUBMISSION

The tenders shall be prepared at tenderer's own cost and shall be submitted on prescribed form of tender in sealed envelopes on which only the name of work should be clearly written in capital letters while name of tenderer should not be written. All entries should be made in ink in both words and figures. All pages of the tender documents must be signed and stamped by the tenderer. The preparation of tender documents and any correspondence in connection with the tender documents should be in the English language. The tender should be delivered in person or by mail to the following address:

INCHARGE (CIVIL)
2ND FLOOR, S.N.G.P.L. HEAD OFFICE,
21-KASHMIR ROAD,
LAHORE

so as to reach on or before the time and date given in Tender Invitation Notice/Letter, at which time and place, they will be opened. Tenderers are invited to be present at the opening of the tenders. Only the tenderer's name and total tendered prices will be announced. The tender documents thus once submitted shall become property of the Company and shall not be returned whatsoever.

3. CLARIFICATIONS, INTERPRETATIONS

The tenderer shall study the drawings and specifications carefully. Any information, clarifications, interpretations sought by the intending tenderers must be referred in writing to Company **as per the date mentioned on web** and SNGPL will issue necessary instructions in writing to all tenderers simultaneously, which will become part of the contract. The tenderers shall sign copies of all such addenda and submit them together with the tender documents and drawings. Verbal discussions shall not to be considered binding. No extension in the closing date shall be demanded on account of any such clarification and/or interpretation having received late. If no clarification is obtained within the prescribed time and later on any discrepancy (e.g. mismatch between any tender documents etc.) is noticed, then the decision of the Company shall be final and binding.

4. MODIFICATIONS

Modifications in the tender documents, if required by the Company, will be made by issuing addenda to the Tender Documents. Intimation of such modifications will be sent to each tenderer, minimum four days prior to the date of submission of tenders. No amendment or modification of the contract shall be made except in writing and signed by the Company.

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5. CONDITIONAL TENDER

Conditional tender will not be accepted.

6. RATES

The Contractors shall quote the rate on lump sum cost basis (if not given otherwise) in the bid sheet attached to construct, complete and maintain the works included in the bid sheet, to the fully functional/operational conditions covering and including all the civil works, public health and sanitation work, electrical works, laying conduit pipe for telephone lines, external works and all other services whether or not shown in the drawings or given in the specific specifications. For this purpose, Contractors shall calculate and evaluate the quantities and quantum of works themselves and no claim of Contractors whatsoever shall be entertained by the Company for any mis-calculation of tender by the Contractors. The rates quoted by the Contractors shall be for complete finished work and shall be comprehensive and complete in all respects including cost of all materials, labour, tools and plants, carriage, taxes, profits, incidental charges etc.

7. RATE ANALYSIS

The Contractors should provide rate analysis of each item (if required).

8. RIGHT OF REJECTING TENDER

The Company shall have the right of rejecting any or all of the tenders. The Company is not bound to award the contract to the lowest tenderer.

9. EARNEST MONEY

A Demand Draft, Pay Order, Deposit-at-Call or Deposit Receipt issued from any scheduled bank of Pakistan (preferably at Lahore), equal to 57,000/- amount of work in favour of Sui Northern Gas Pipelines Limited, Lahore shall be submitted before Tender Opening Date as earnest money on the address mentioned at Appendix-A. Tenders without Earnest Money will not be entertained. Cheques and cash will not be accepted. The earnest money of unsuccessful tenderers shall be returned

- a. After execution of contract agreement with the successful tenderer or
- b. If all the tenderers are rejected, after such rejection or
- c. Within sixty days of opening of tender

The earnest money of the successful tenderer shall be returned after submission of Performance Bond. If the tenderer to whom the contract is awarded refuses or neglects to execute the agreement than the earnest money will be forfeited and contract may be rescinded. If the construction site is not cleared and handed over to the Contractors by the company within 60 days of issuance of work order, the earnest money will be returned to the Contractors by the company.

10. VALIDITY OF BID

The bid shall remain valid and may remain open and binding for a period of 120 days from the date of opening of tender or until the work order issued to the successful tender.

INCHARGE (CIVIL)

SIGNATURE & SEAL OF THE TENDERER

11. PERFORMANCE BOND OR GUARANTEE

The Contractors will have to submit, at his own expense, Performance Bond as per detail given in Appendix-A. Terms of the bond shall be as per sample provided by the Company.

12. STANDARD OF WORK

The work shall be done to the entire satisfaction of the Company. The Company is the sole judge to approve the standard of work and if any defects are observed upto completion of maintenance period, the Contractors shall make good all such defects at his own risk and cost including materials. If the Contractors fails to do any such work, as aforesaid required by the Company, the Company can get the same work done through any other means and all expenses consequent thereon or incidental thereto shall be recoverable from the Contractors by the Company or may be deducted by the Company from any money due or which may become due to the Contractors.

13. HSE POLICY

SNGPL is committed to the health and safety of its employees, preservation of environment and continual improvement of HSE performance by reducing potential hazards, preventing pollution and adhering to applicable laws and regulations in all its activities related to its Contractors. Following should be ensured by the Contractors.

1. Usage of Personal Protective Equipment.

The use of personal Protective equipment is to reduce employee's exposure to hazard when engineering and administrative controls are not feasible or effective to reduce the risks to acceptable levels. Personal Protective Equipment is last line of defense.

2. Wearing of closed shoes.

3. Not wearing loose clothes.

4. Not to use defective machinery and plant.

5. Not to work in unsafe condition.

6. Not to perform unsafe acts.

14. REMOVAL OF ANY CONTRACTORS'S EMPLOYEE FROM SITE

The Company shall be at liberty to object to and require the Contractors to remove forthwith from the works any person employed by the Contractors in or about the execution or maintenance of the works, who, in the opinion of the Company, misconducts, or is incompetent or negligent in the proper performance of his duties, or whose employment is otherwise considered by the Company to be undesirable and such person shall not be again employed upon the works without the written permission of the Company. Any person so removed from the works shall be replaced as soon as possible by a competent substitute approved by the Company.

15. CONTRACTORS LIABLE FOR DAMAGE TO PLANT AND PEOPLE ETC.

The Contractors shall be at any time be liable for the loss of or damage to any of the said constructional plant, temporary works, materials and people including labour etc.

16. SERVICE OF NOTICES ON CONTRACTORS

All certificates, notices or written orders to be given by the Company to the Contractors under the terms of the contract shall be served by sending by post to or delivering the same to the Contractors principal place of business, or such other address as the Contractors shall nominate for this purpose.

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17. TESTING OF MATERIALS ETC.

All types of expenditures to be incurred on testing of construction materials (**steel, bricks, cement, crush and concrete cubes etc.**) shall be borne by the Contractors.

18. SUBLETTING

No major work shall be Sublette without prior written permission of the Company.

19. REMOVAL OF IMPROPER WORK AND MATERIAL

- a. The Company shall during the progress of the works have power to order in writing from time to time:
 - i. The removal from the site, within such time or times as may be specified in the order, of any materials which, in the opinion of the Company, are not in accordance with the contract.
 - ii. The substitution of improper and unsuitable materials and
 - iii. The removal and proper re-execution, notwithstanding any previous test thereof or interim payment therefore, of any work which in respect of materials or workmanship is not in the opinion of the Company, in accordance with the contract.

b. DEFAULT OF CONTRACTORS' COMPLIANCE

In case of default on the part of the Contractors in carrying out such order, the Company shall be entitled to employ and pay other persons to carry out the same and all expenses consequent thereon or incidental thereto shall be recoverable from the Contractors by the Company, or may be deducted by the Company from any money due or to which may become due to the Contractors.

20. RATE OF PROGRESS

If for any reason, which does not entitle the Contractors to an extension of time, the rate of progress of the works or any section is at any time, in the opinion of the Company, too slow to ensure completion by the prescribed time, the Company shall so notify the Contractors in writing and Contractors shall thereupon take such steps as are necessary and the Company may approve to expedite progress so as to complete the works or such section by the prescribed time. The Contractors shall not be entitled to any additional payment for taking such steps. If as a result of any notice given by the Company under this clause, the Contractors shall seek the Company's permission to do any work at night or on Sunday, if locally recognized as days of rest, or their locally recognized equivalent, such permission shall not be unreasonably refused. If it is still felt that the progress of the Contractors is not satisfactory and in the opinion of the Company, the project is likely to be delayed due to poor progress, the remaining work can be taken over from the Contractors after giving 14 days notice and the work can be got completed at the risk and cost of the Contractors.

21. ADVANCE PAYMENT

No advance payment shall be made except described in Appendix-A.

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22. CORRECTION AND WITHHOLDING OF PAYMENT CERTIFICATES

If the works or part of the works contained in the PPCs/FPC of the Contractors are found incomplete, defective, rejected and/or with calculation error(s) etc., the Company shall and/or can:

- a. Correct and deduct from the bill such amount or amounts as the Company may consider proper and reasonable or
- b. Withhold payment certificate till the proper completion and rectification of the works or part(s) thereof or
- c. Send back the said bill to the Contractors for resubmission of proper bill in proper form and details as required by the Company.

The Contractors shall have no claim whatsoever for any delay thus occurring in issuing the payment certificates and releasing the payment thereof.

23. INCOME TAX DEDUCTION

As required under the law, Income Tax will be deducted as per prevailing Government instructions and deposited with the Income Tax Department. However, a certificate for such deduction will be issued to the Contractors.

24. VARIATIONS

The Company shall make any variations of the form, quality or quantity of the works or any part thereof that may, in its opinion, be necessary and for that purpose, or if for any other reason it shall, in its opinion be desirable, the Company shall have power to order the Contractors to do and the Contractors shall do any of the following:

- a. Increase or decrease the quantity of any work included in the contract.
- b. Omit any such work
- c. Change the character or quality or kind of any such work
- d. Change the levels, lines, position and dimensions of any part of the works, and
- e. Execute additional work (s) of any kind necessary for the completion of the works

And no such variation shall in any way vitiate or invalidate the contract. Additional proportionate time may be allowed by the Company on the basis of any addition in work (s) as per following:

1. If excess in the quantities of any item of work is required either due to requirement of the client departments of SNGPL or due to some other unavoidable site conditions, the same should be informed by the Contractors well in time in order to seek **formal written approval from the Incharge (Civil)**. The Contractors should also quantify and inform the increase in cost of work (s) due to any such excess in quantity of any item.
2. Upon receipt of above stated intimation of the Contractors, undersigned will issue **formal written permission** to the Contractors for proceeding ahead in the matter accordingly.
3. The Contractors have no authorization to exceed the quantities of different items given in the work order without prior written permission of the **Incharge (Civil)**.
4. If any Contractors execute the construction work (s) in such a way that causes excess in quantities of any item of work, over and above the work order quantities without prior written permission of the **Incharge (Civil)**, the Company may refuse for payment against such excess quantities.

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25. VALUATION OF VARIATION

All extra or additional work (s) done or work (s) omitted by the order of the Company shall be valued at the rates and prices set out in the contract if, in opinion of the Company, the same are reasonable, otherwise the same will be rationalized as per following formula given for non-BOQ items.

The rates for additional works (non-BOQ), if any, will be calculated on the basis of following guidelines:

- i. Average market price of material specified quality.
- ii. Cost of labour worked out rationally.
- iii. 10% of cost of material and labour as overhead expenses and taxes (excluding PST tax) of Contractors.
- iv. 15% of cost of material and labour as profit of the Contractors.

26. RETENTION MONEY

Retention money will be deducted from the PPCs and FPC as per detail given in Appendix-A. No interest shall accrue on money converted into retention amount. Any sums payable by the Contractors to the Company under the terms of this contract may be deducted from the retention money of this work or any other work whose retention money is held by the Company. In event of retention money being reduced due to such deductions, the Contractors shall within ten days thereafter make good in cash, the deficiency so caused. The amount of retention money, after making all deductions for sums recoverable under this contract, shall be released to the Contractors after successful completion of maintenance period.

27. ESCALATION

No escalation in respect of any kind of material and labour shall be paid in any case due to increase of prices in the market.

28. NATIONAL TAX NUMBER AND PROFESSIONAL TAX CLEARANCE CERTIFICATE

The Contractors will have to produce National Tax Number and Professional Tax Clearance Certificate.

29. COMPLETION TIME

The Contractors shall complete all contract works within stipulated 'Time of Completion' as given in Appendix-A.

30. TIME EXTENSION

Delay in work due to special circumstances of any kind which may occur other than through default of the Contractors shall entitle the Contractors to an extension in time for completion of work. These special circumstances may include war, riots, epidemics, adverse climatic conditions, law and order situation or other circumstances of such kind which are beyond the reasonable control of the Contractors. The Company shall determine the amount of such time extension and shall notify to the Contractors accordingly.

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31. LIQUIDATED DAMAGES (PENALTY)

In case of delay in completion of work from stipulated completion date on the part of the Contractors, Liquidated Damages (Penalty) for such default of the Contractors will be imposed as per the percentage amount given in the Appendix-A for each day of delay. This clause, however, shall not be applicable if in the opinion of the Company, the delay is due to war, riots, epidemics and/or any other reason out of reasonable control of the Contractors. The Company, may without prejudice to any other method of recovery, deduct the amount of such damages from any money in its hands, due or which may become due to the Contractors. The payment or deduction of such damages shall not relieve the Contractors from his obligation to complete the works, or from any other of his obligations and liabilities under the contract.

32. MAINTENANCE PERIOD

a. The 'maintenance period' shall mean the period of maintenance named in the Appendix-A to the tender, calculated from the date of completion of the works, certified by the Company.

b. EXECUTION OF WORK OF REPAIR ETC.

To the intent that the works shall at or as soon as practicable after the expiration of the period of maintenance be delivered to the Company in the condition required by the Contractors, fair wear and tear excepted, to the satisfaction of the Company, the Contractors shall finish the work, if any, outstanding at the date of completion, as certified hereof, as soon as practicable after such date and shall execute all such repair, amendment, reconstruction, rectification and making good defects, imperfections, shrinkages or other faults as may be required of the Contractors in writing by the Company during the maintenance period, or within 14 days after its expiration, as a result of an inspection made by or on behalf of the Company.

c. COST OF EXECUTION OF REPAIR WORKS ETC.

All such works shall be carried out by the contractors at his own expense if the necessity thereof shall, in the opinion of the Company, be due to the use of materials or workmanship not in accordance with the contract, or to neglect or failure on the part of the Contractors to comply with any obligation, expressed or implied, on the Contractors part under the contract. If, in the opinion of the Company, such necessity shall be due to any other cause, the value of such work shall be ascertained and paid for as if it were additional work(s).

d. REMEDY ON CONTRACTORS' FAILURE TO CARRY OUT WORK REQUIRED

If the Contractors shall fail to do any such work(s) as aforesaid required by the Company, the Company shall be entitled to employ and pay other persons to carry out the same and if such work is the work, which in the opinion of the Company, the Contractors were liable to do at his own expense under the contract, then all expenses consequent thereon or incidental thereto shall be recoverable from the Contractors by the Company, or may be deducted by the Company from any money due or which may become due to the Contractors.

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33. BLACKLISTING

If the Contractors fail to execute the work as per contract, the Company may delist his name from SNGPL and the same will be forwarded to PPRA and Pakistan Engineering Council and may blacklist his name for future participation in tender.

34. SITE CLEARANCE

On completion of contract works, the Contractors shall clear/remove all construction debris, plants, equipment, surplus material, temporary works etc. from the site in workman like condition to the satisfaction of the Company.

35. PROCESS OF PAYMENT/CORRESPONDENCE

1. Work will be completed by the contractor to whom job assigned.
2. PPCs/FPC will be processed on the name of firm's proprietor including name duly signed and stamped by the proprietor.
3. Cheques payment will be processed on the name of proprietor including firm's name.
4. No representative of the firm will sign the official documents on behalf of proprietor.
5. None of proprietor/ representative of firm allowed to do business with the company the of any other firm.

SC2. UTILITIES:-

The Contractors shall be provided, where possible at site, Contractors staff accommodation, water supply and electric power free of cost.

SC3. QUANTITIES IN BID SHEET:-

The quantities given in bid sheet are only for reference and the payment shall be made as per actual measurement at site

SC4. IMPLEMENTATION OF HSE PROCEDURES:-

The successful bidder shall follow all the applicable HSE procedures and policies at construction site in accordance with Contractors HSE statement.

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APPENDIX-B**SUI NORTHERN GAS PIPELINES LIMITED****CIVIL CONSTRUCTION DEPARTMENT****LIST OF APPROVED INSURANCE COMPANIES
FOR PERFORMANCE BOND ONLY**

1. National Insurance Corporation.
2. Habib Insurance Company Limited.
3. Eastern Federal Insurance Co., Ltd.
4. Muslim Insurance Co., Ltd.
5. Premier Insurance Co., Ltd.
6. New Jubilee Insurance Co., Ltd.
7. Universal Insurance Co., Ltd.
8. Adamjee Insurance Co., Ltd.
9. National Security Insurance Co., Ltd.
10. The Pakistan General Insurance Co., Ltd.

Note: - Earnest Money and Mobilization Advance Guarantees will, however, be acceptable from Scheduled Banks of Pakistan.

Performance or other guarantees of any insurance company will be accepted as long as the insurance company is of long term “**category A+**” or above as per ratings issued by Pakistan Credit Rating Agency Limited (PACRA).

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APPROVED SAMPLE OF PERFORMANCE BOND/ GUARANTEE

No. : _____
Dated : _____
Amount : _____
Expiry date : _____

To
The Managing Director
Sui Northern Gas Pipelines Limited
Sui Gas House
21- Kashmir Road
Lahore

Dear Sir,

BY THIS BOND/ GUARANTEE _____

_____ Lahore whose registered office is at _____ hereinafter called the "SURETY" do hereby bind ourselves and our successors and assigns jointly and severally by these presents, to pay the Sui Northern Gas Pipelines Ltd., Lahore (hereinafter called the "COMPANY") unconditionally on demand and without further questions, the sum of Rs. _____ (Rupees _____) sealed with our seal and dated Lahore this _____ day of _____.

WHEREAS

M/s _____ (hereinafter called the "CONTRACTORSS") for submitting tender for _____

_____ a Work Order No. _____ dated _____ made between the "COMPANY" of the one part and the "CONTRACTORS" of the other part has entered in to a contract (hereinafter called "THE SAID CONTRACT") for the construction of aforesaid works as herein mentioned in conformity with the provisions of the said contract and the sum mentioned in the above written Bond/ Guarantee represents the retention money to be furnished by the Contractors for fulfillment of the said contract.

NOW THE CONDITION of the above written Bond/ Guarantee is such that if the Contractors shall duly perform and observe all the terms, provisions, conditions and stipulations of the said contract on the Contractors part to be performed and observed according to the true purport, intent and meaning thereof as determined by the company who shall be the sole judge in the matter or if on default by the Contractors for which the company shall be the sole judge, the surety shall satisfy and discharge the damages sustained by the company thereby and determined by the company of the above written bond/ Guarantee, then this obligation shall be null and void but no alteration in terms of the said contract made by agreement between the company and the Contractors or in the extent or the nature of the works to be constructed, completed and maintained there under and no allowance of the time by the company under the said contract nor any forbearance or forgiveness in or in respect of any matter or

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thing concerning the said contract on the part of the company shall in any way release the surety from any liability under the above written Bond/ Guarantee.

This Performance Bond/ Guarantee is valid up to _____ (including time of completion of work and completion of maintenance period).

Yours faithfully,

For and on behalf of "Surety"

SURETY NAME _____

AUTHORIZED SIGNATURE

AUTHORIZED SIGNATURE

The Common seal of the ("Surety") -----
----- is hereunto affixed in the presence of:

WITNESSES:

- 1. Name _____
C.N.I.C NO. _____

Signature _____
- 2. Name _____
C.N.I.C NO. _____

Signature _____

INTEGRITY PACT**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC**
PAYABLE BY THE CONSULTANT/CONTRACTOR FOR SERVICES & WORKS
IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract Number: _____ dated: _____
 Contract Value: _____
 Contract Title: _____

[name of Consultant/Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoP) through any corrupt business practice.

Without limiting the generality of the foregoing [name of Consultant/ Contractor] 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 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 GoP, except that which has been expressly declared pursuant hereto.

[name of Consultant/ Contractor] 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 GoP and has not taken action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Consultant/ Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration representation and 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 right and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Consultant/ Contractor] agrees to indemnify GoP for any loss of damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission gratification, bribe, finder's fee or kickback given by [name of Consultant] 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 GoP.

[Client]

[Consultant/ Contractor]

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HSE CONTRACTORS MANNUAL

	SUI NORTHERN GAS PIPELINES LIMITED	DOC. # SNGPL-GPR013-F001	
		Issue # 02	Issue Date
Contractor / Supplier / Vendor HSE Statement		Page 1 of 5	04-02-21

The Contractor/Supplier/Vendor shall prepare and maintain information including a clear method statement, regarding Contractor/sub-contractor activities, which outline the work to be undertaken and the method(s) for minimizing and maintaining environmental impacts, OH&S Hazards and maintaining compliance with HSE regulations.

To assist in organizing and maintaining information, background information sections have been included (section I, II, III). Sections can be modified or deleted as required when requesting a method statement from Contractors / subcontractors.

SNGPL's Personnel to Complete Sections I, II, and III

Suppliers to Complete Sections IV, V, and VI

Section I Your Information: [type or print]

Name:	
Phone Number:	
Fax Number:	
Dept Name:	

Section II. Requisition Information: [type or print]

Requisition Number:	
Project Number: (if applicable)	

Section III. Service or Activity to be Performed: [Check all that apply]

<u>Material/Chemical:</u> (Production/Non-production)	Paint Solvent Sealer	Treatment Chemicals Lubricants, Oils, Greases Gasoline	Janitorial Material Other (specify) _____ Other (specify) _____
<u>Facilities/Construction:</u>	Ditching Electrical Paint Structural	Roofing Mechanical HVAC	General Contractor Arch/Engin/Consulting Other (specify) _____
<u>Services:</u> (Includes Environmental Services)	Janitorial Security Maintenance	Emergency Response Env. Consulting Paint Booth Cleaning	Waste Management Other (specify) _____
<u>Containerization:</u>	5 gal. Or less Drums Bulk Tanks	<u>Type of Contract:</u>	Commodity Management On-site Manager Provided Total Cost Contract



Section IV. Supplier/Contractor/Vendor Information: [Circle / Check all that apply]

Current Supplier/Contractor/Vendor to this Facility

New Supplier/Contractor/Vendor to this Facility

Currently involved in other Facility project(s)

List Project(s): _____

(Complete Information in table below) [Type or print]

Name:	
Address:	
City & Province:	
Phone Number:	
Fax Number:	
President/General Manager/ CEO etc:	
Facility Site Coordinator:	
Email Address:	
Phone Number:	
Mobile Number:	
Fax Number:	
Pager:	
24 Hour Emergency Number:	



Subcontractor Information: (List suppliers/contractors/vendors not identified) [type or print]

Type	Firm Name
Architectural	
Mechanical	
Electrical	
Heavy Vehicles	
Industrial Services	
Painting	
Roofing	
Architectural/Engineering / Consulting Firm	
Sampling/Testing	
Chemical Supplier	
<u>Other (specify)</u>	
Scrap/Salvage Dealer	
Waste Disposal	
Demolition Disposal	

Note: It is strongly recommended that you have your subcontractors and suppliers involved at this facility should complete a separate HSE briefing package for the facility's review.

	SUI NORTHERN GAS PIPELINES LIMITED	DOC. # SNGPL-GPR013-F001	
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Contractor / Supplier / Vendor HSE Statement		Page 4 of 5	04-02-21

Section V. Contractor / Supplier / Vendor Method Statement:

Supplier / Contractor / **Vendor** is financially responsible for on-site HSE remediation actions resulting from incidents involving their employees and subcontractors. To minimize the risk of environmental accidents, please review and initial the items contained in the HSE Management Basics Table below:

Health, Safety and Environment Management Basics	Tick (√)
1. Contractor will ensure that the <ul style="list-style-type: none"> • Health of its employees is protected. • All activities carried out for the execution of the job are safe. • Compliance is met with all relevant laws and regulations. • All HSE (Health, Safety and Environment) procedures of the Company are implemented. • Safe working environment is provided to its employees. 	
2. Contractor will take all necessary steps to minimize the hazards associated with the job. Appropriate personal protective equipment should be provided to the employees where hazards exist.	
3. All incidents resulting in Dangerous Occurrence, minor or major injury, fire, vehicle accident and environmental incident are to be reported to Company within 24 hours.	
4. The contractor is to make his own arrangements for treating injuries to his employees. In the event a contractor employee is injured while working for the Company, it is the contractor's responsibility to notify the Company representative immediately and to report the circumstances of injury.	
5. Contractor's mobile equipment such as trucks, crane, welding machines etc must be maintained in good working condition. Contractor's trucks and other mobile equipment should be operated in such a way that material they are carrying does not fall off the equipment on to the roads. If repairs are required or vehicles become immobilized, arrangements must be made to correct the situation with additional outside help.	
6. Prior to the start of work a certificates from a competent authority is to be given to the site in charge by the contractor stating that all mobile heavy equipment are in good working condition. Only licensed and designated qualified people shall operate contractor's equipment.	
7. Company equipment must not be handled or tampered with by contractor. The Company representative may grant permission to the contractor on specific conditions to operate Company equipment if emergency conditions so require.	
8. When doing work involving excavation, contractors must not damage or break into or otherwise open any underground piping. Extreme care must be exercised in this respect while excavating with power driven equipment. If lines are accidentally damaged, notify the Company representative immediately.	
9. All excavation made by contractors must be fenced, barricaded or otherwise protected so as to prevent personnel from slipping or falling into them.	
10. Drawing / Excavation Include safety talk notified for facilitating contract employees ever during transportation by Cos TPT.	
11. The authorized Company executive will issue a permit appropriate for any work to be done by the contractor at Company's designated sites where work permit procedure is applicable. After receiving permit for work the contractor shall be guided by Company rules and applicable laws in performing his work.	
12. Contractors shall provide to all their staff the relevant PPE's as specified by the Company against each job. Contractors staff will do compliance.	
13. Contractor's job sites must be kept reasonably clean and free of rubbish and debris which may create tripping or fire hazard. Upon completion, the contractor shall leave the area in a clean and orderly manner, removing all contractor's debris, equipment, and excess material.	
14. Contractor shall dispose off all the waste generated from its activity in environment friendly manner as described in Pakistan Environmental Protection Act, 1997.	
15. The Contractor / Vendor / Supplier shall provide information regarding OH&S and environmental conditions pertaining to machinery / equipment / product / material / item being procured or services being hired.	

	SUI NORTHERN GAS PIPELINES LIMITED	DOC. # SNGPL-GPR013-F001	
		Issue # 02	Issue Date
Contractor / Supplier / Vendor HSE Statement		Page 5 of 5	04-02-21

Section VI. Supplier/Contractor/Vendor Certification: [review and sign]

I have reviewed and understand the information contained in this document. I also understand that *SNGPL's HSE* Personnel have the right to inspect our activities and those of our Suppliers/Contractors/Vendors with regards to our on-site activities. I further understand that activities pertaining to service and/or maintenance contracts may only require submission of this form on an annual basis.

Name	
Title	
Signature	
Date	

GENERAL TERMS AND CONDITIONS

SUI NORTHERN GAS PIPELINES LIMITED
CONSTRUCTION OF FENCING/BOUNDARY WALL FOR
COMPANY ACQUIRED LAND (CHITRAL TOWN, AYUN AND
DROSH) AT DISTRICT CHITRAL FOR INSTALLATION OF
LPG AIR MIX PLANT

SNGPL desires to construct the “**CONSTRUCTION OF FENCING/BOUNDARY WALL**
FOR COMPANY ACQUIRED LAND (CHITRAL TOWN, AYUN AND DROSH) AT
DISTRICT CHITRAL FOR INSTALLATION OF LPG AIR MIX PLANT”

” thru competent Civil Contractor to carry out the complete Civil Construction works as per Specification and drawings given in tender documents.

SPECIAL CONDITIONS

The bid is being invited as per ‘**Single Stage-Two Envelope**’ procedure, in Compliance of PPRA Rule No. 36(b). If the bidder fails to fulfill any of following mandatory requirements, his bid will be considered as nonresponsive and will be rejected without opening his ‘Financial Proposal’.

1. The bid shall comprise a single package with only the name of work, Containing the following in **two separate** envelopes:
 - a. ‘Technical Proposal’
 - b. ‘Financial Proposal’

The envelopes shall be marked as ‘**TECHNICAL PROPOSAL**’ and ‘**FINANCIAL PROPOSAL**’ in bold and legible letters to avoid confusion.

2. Initially, only the envelope marked as ‘**TECHNICAL PROPOSAL**’ shall be opened. The envelope marked as ‘**FINANCIAL PROPOSAL**’ shall be retained in the custody of SNGPL without being opened.
3. Bid Bond must be submitted in hard form at the office of INCHARGE (CIVIL) before Bid opening time otherwise the Bid would be declared non-responsive.
4. SNGPL shall evaluate the ‘Technical Proposal’ in a manner prescribed in clause 4 below, without reference to the price and reject any bid which does not conform to the specified requirements.

INCHARGE (CIVIL)

SIGNATURE & SEAL OF CONTRACTOR

5. The 'Technical Proposal' must contain the following:
- i. Certificate of registration of bidder with Pakistan Engineering Council in the relevant category valid for current year or copy of last previous year along with receipt of amount submitted for renewal of registration.
 - ii. Copy of five pages of **HSE contractor Statement** given in tender documents are required to be filled, stamped and signed by bidders and submit along with Technical Proposal.
 - iii. National Tax Number along with copy of certificate.
 - iv. Copy of Professional Tax Clearance Certificate.
 - v. Copy of Provincial Sales Tax (PST) Registration.
 - vi. Following relevant paper must be provided in respective cases:-
 - Name of the bidder
 - Type of ownership i.e. Proprietor/Partnership/Private Limited Company/Public Limited Company
 - ✓ Copy of NIC in case of single proprietor
 - ✓ Copy of partnership deed in case of partnership
 - ✓ Copy of Article of Association for Private/Public Limited Companies
6. The 'Financial Proposal' should contain the **tender documents** with each page signed along with duly filled in '**Bid Sheet**'.
7. After the submission of bid, no amendments shall be permitted.
8. The 'Technical Proposals' shall be evaluated after opening and the 'Financial Proposal' of bids found technically nonresponsive shall be returned un-opened to the respective bidders. Thereafter the 'Financial Proposals', of the technically accepted bids only, will be opened in the presence of concerned bidders.
9. In case of any conflict between the Design Drawings and the Technical Specifications, the Drawings shall **supersede** the Specifications.
10. If excess in the quantities of any item of work is required either due to requirement of the client departments of SNGPL or due to some other unavoidable site conditions, the same should be informed by the contractor well in time in order to seek **formal written approval from the INCHARGE (CIVIL)**. The contractor should also quantify and inform the increase in cost of work due to any such excess in quantity of any item. Upon

INCHARGE (CIVIL)

SIGNATURE & SEAL OF CONTRACTOR

receipt of above stated intimation of the contractor, the Company will issue formal written permission to the contractor for proceeding ahead in the matter accordingly.

The contractor has no authorization to exceed the quantities of different items given in the work order without prior written permission of the **INCHARGE (CIVIL)**. If any contractor executes the construction work in such a way that causes excess in quantities of any item of work, over and above the work order quantities without prior written permission of the **INCHARGE (CIVIL)**, the Company may refuse for payment against such excess quantities.

11. If the construction site is not cleared and handed over to the Contractor by the Company within 60 days of issuance of work order, the contractor may withdraw his offer and in such case the Earnest Money and/or Performance Bond submitted by the contractor will be returned by the Company.
12. Complete HSE (Health Safety and Environment) contractor Manual is available at SNGPL website www.sngpl.com.pk which must be studied for true implementation during execution of work. Implementation of HSE procedures shall be ensured as per prevailing HSE policy of SNGPL during execution of works.
13. The Contractor shall be liable to pay compensation to his staff / labour in case of any major injury, disability and fatality category wise as under:

a.	In case of major injury (Injury leading to temporary disablement)	Payment of ½ of the monthly wages till the recovery of temporary disablement or for a maximum period of one year, whichever is less. Payment of 1/3 of the monthly wages till the recovery of chronic ill health / disease or for a maximum period of 5 year, whichever is less.
b.	In case of Disability (Permanent)	Rs. 500,000/-
c.	Fatality	Rs. 500,000/-

14. Failure to compliance against HSE initiative at operational sites will lead to blacklisting of a contractor through following disciplinary action.

e.	1 st Violation	Warning-letter
f.	2 nd Violation	Deduction of Rs. 100,000/-

INCHARGE (CIVIL)

SIGNATURE & SEAL OF CONTRACTOR

g.	3 rd Violation	Deduction of Rs. 500,000/-
h.	4 th Violation	Suspension for period of Six Months
i.	5 th Violation	Blacklisting

15. To ensure that contractor obtains 3rd party insurance to cover such incident (Harmful Incidents / Any Accident)

16. To ensure the sufficient security is retained by the company from the contractors to cover such case (Harmful Incidents / Any Accident)

17. Protective gear should be provided to workers by the contractors to avoid such accidents (Harmful Incidents / Any Accident)

18. To take care of the above point in future as well as running contracts.

INCHARGE (CIVIL)

SIGNATURE & SEAL OF CONTRACTOR

BID SHEET

**CONSTRUCTION OF FENCING/BOUNDARY WALL FOR COMPANY ACQUIRED
LAND (CHITRAL TOWN, AYUN AND DROSH) AT DISTRICT CHITRAL FOR
INSTALLATION OF LPG AIR MIX PLANT**

Bid Sheet

Sr. No.	Description	Unit	Quantity	Rate	Amount
1	Chitral Town				
	Providing and fixing barbed wire fencing on compound wall, consisting of 1¼"x1¼"x3/16" angle iron post 4' long, 9" embedded in cement concrete 1:4:8 base of size 6"x6"x9" and 1 rows of barbed wire 14 SWG, including excavation, back filling, binding wire, painting posts, etc. complete in all respects.	Rft	2,475		
2	Ayun				
	Providing and fixing barbed wire fencing on compound wall, consisting of 1¼"x1¼"x3/16" angle iron post 4' long, 9" embedded in cement concrete 1:4:8 base of size 6"x6"x9" and 1 rows of barbed wire 14 SWG, including excavation, back filling, binding wire, painting posts, etc. complete in all respects	Rft	1,332		
3	Drosh				
	Providing and fixing barbed wire fencing on compound wall, consisting of 1¼"x1¼"x3/16" angle iron post 4' long, 9" embedded in cement concrete 1:4:8 base of size 6"x6"x9" and 1 rows of barbed wire 14 SWG, including excavation, back filling, binding wire, painting posts, etc. complete in all respects	Rft	1,209		
4	Security Room Only For Chitral Town				
	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead upto one chain (30 m) depth upto 5 ft (1.5m).				
	By Manual				
	i) in sand, ashes or loose soil.				
	ii) in ordinary soil.				
	iii) in hard soil or soft murum.				
	2) a) By Excavator				
	i) in sand, ashes or loose soil.				
	ii) in ordinary soil.				
	iii) in hard soil or soft murum.	Cft	148		

**CONSTRUCTION OF FENCING/BOUNDARY WALL FOR COMPANY ACQUIRED
LAND (CHITRAL TOWN, AYUN AND DROSH) AT DISTRICT CHITRAL FOR
INSTALLATION OF LPG AIR MIX PLANT**

Bid Sheet

Sr. No.	Description	Unit	Quantity	Rate	Amount
b	Spraying termite proofing by using liquid FMC/ Biflex/TerminexExin/ MsHextar or equivalent @ specified suspension concentrate (SC), Mixing Ability- HEXSTAR with Ratio (1:250) = 540S ft or equivalent approved liquid applying with shower and certificate will be provided by the contractor for 10-years complete in all respect. as approved by the Engineer Incharge.	Sft	333		
c	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):				
i	(f) Ratio 1: 2: 4	Cft	14		
ii	(i) Ratio 1: 4: 8	Cft	30		
d	Supplying and filling sand under floor; or plugging in wells.	Cft	14		
e	Providing and laying damp proof course of cement concrete 1:2:4 (using cement, sand and shingle), including bitumen coating:-	Cft	6		
f	(a) with one coat bitumen and one coat polythene sheet 500gauge				
	i) 2" thick (40 mm)	Sft	40		
g	Providing and laying damp proof course with cement sand plaster and bitumen coating:-				
	(a) with one coat of bitumen and one coat of polythene sheet 500 gauge :-				
	ii) Ratio 1:3				
h	b) 3/4 " thick (20mm)	Sft	40		
i	Pacca brick work in foundation and plinth in:-				
	i) Cement, sand mortar:-				
	Ratio 1:5	Cft	351		
j	Cement Concrete				
	Providing and laying reinforced cement concrete (including prestressed concrete), using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; coarse sand and screened graded and washed aggregate, in required shape in design, including forms, moulds, shuttering, lifting compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.)				

**CONSTRUCTION OF FENCING/BOUNDARY WALL FOR COMPANY ACQUIRED
LAND (CHITRAL TOWN, AYUN AND DROSH) AT DISTRICT CHITRAL FOR
INSTALLATION OF LPG AIR MIX PLANT**

Bid Sheet

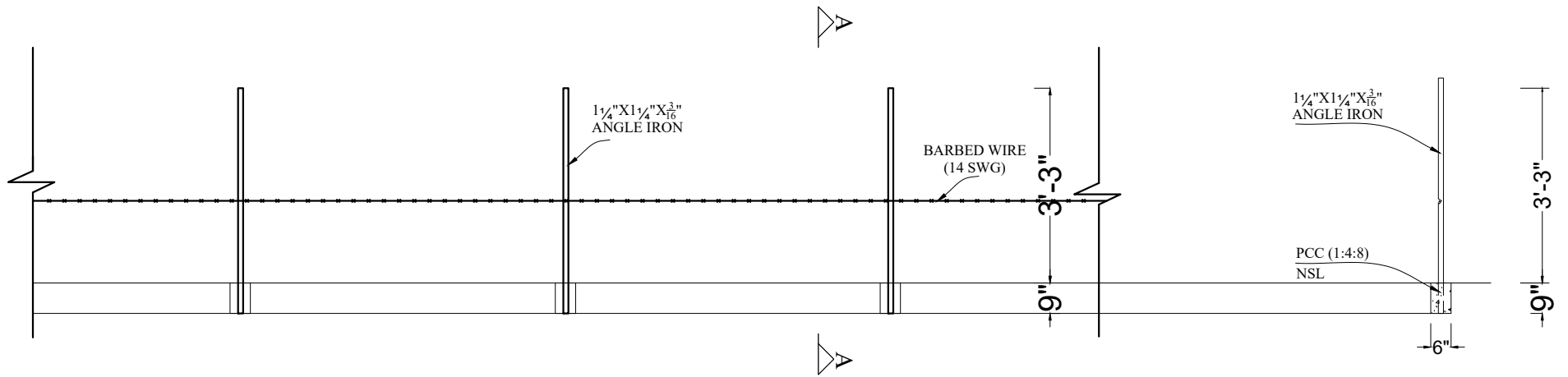
Sr. No.	Description	Unit	Quantity	Rate	Amount
	(a) (i) Reinforced cement concrete in roof slab, beams columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects.				
	(3) Type (9 nominal mix 1:2:4)	Cft	44		
k	Providing and fabrication of mild steel reinforcement for cement				
	concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars), Deformed bars (Grade 40)	KG	200		
l	Cement plaster 1:4 upto 20' (6.00 m) height:-				
	c) ¾" (20 mm) thick	Sft	688		
m	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C. roof slabs only, upto 20' height.				
	b) 1:3	Sft	140		
n	4" Thick layer of brick ballast well compacted under the floor	Cft	20		
o	2" thick sand layer well compacted under the floor	Cft	10		
q	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4" x 3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge. (i) Single Leaf	Sft	42		
s	<u>Sanitary Items</u>				
	Providing and fixing, chromium plated Tee Stop Cock.	No	1		
	Providing and fixing, chromium plated Bibcock.	No	1		
	Providing and fixing, chromium plated soap dish.	No	1		
	Looking Glass Local	No	1		
	Providing and fixing uPVC floor trap including concrete chamber all around including 6" x 6" C.P brass one side hinged floor jali approved and directed by the Engineer incharge.	No	1		

**CONSTRUCTION OF FENCING/BOUNDARY WALL FOR COMPANY ACQUIRED
LAND (CHITRAL TOWN, AYUN AND DROSH) AT DISTRICT CHITRAL FOR
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Bid Sheet

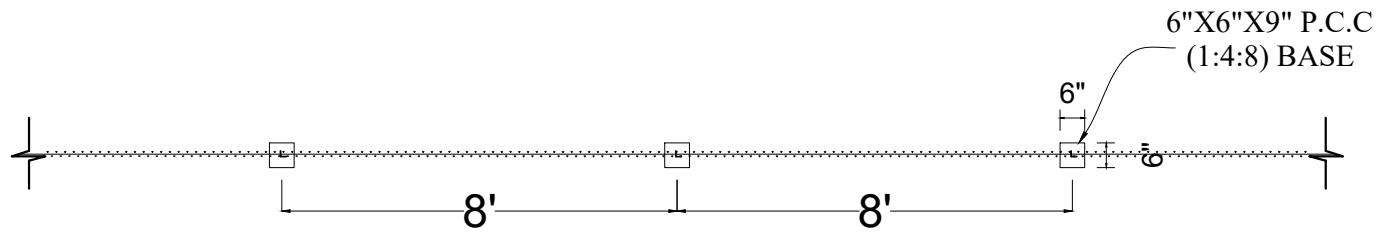
Sr. No.	Description	Unit	Quantity	Rate	Amount
	Providing and fitting Water Closet (WC) and flushing Cistern of 3 Star brand (full size) or Approved i/c the cost of CP/ rubber connection, thimble, UPVC P-Trap, normal complete in all respects as approved and directed by the Engineer Incharge.	No	1		
t	<u>PPRC Pipes</u>				
	Providing, laying, testing and commissioning of POLYPROPYLENE, RANDOM COPOLYMER (PPRC) water supply pipe (Dadex /Popular/ Beta or equivalent) with specified pressure rating PN 20 (PRESSURE NOMINAL) and conforming to DIN8077-8078 codei/ccost of solvent, specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned).				
	b) PN-20 Pipe				
	i) (3/4") 25 mm	Rft	20		
	ii) (1") 32 mm	Rft	20		
u	Providing and fixing heavy duty Gate valve of specified diameter and material for pressure rating PN-16 made of Crane (USA), Hatersly (UK) or Scon (Pakistan)i/c the cost of all accessories flanges, nut/bolt and gas kit where required complete in all respect as approved and directed by the Engineer Incharge.				
	(a) Brass Threaded Valves				
	1) 1" Dia	No	1		
v	<u>Electrical Works</u>				
	electrification(wiring, Switch Board, Lights, terminations, commissioning, etc) fully functional condition complete in all respects as directed by Engineer Incharge.	Job	L/S		
Sub-Total					
KPST 15%					
Total					

DRAWINGS




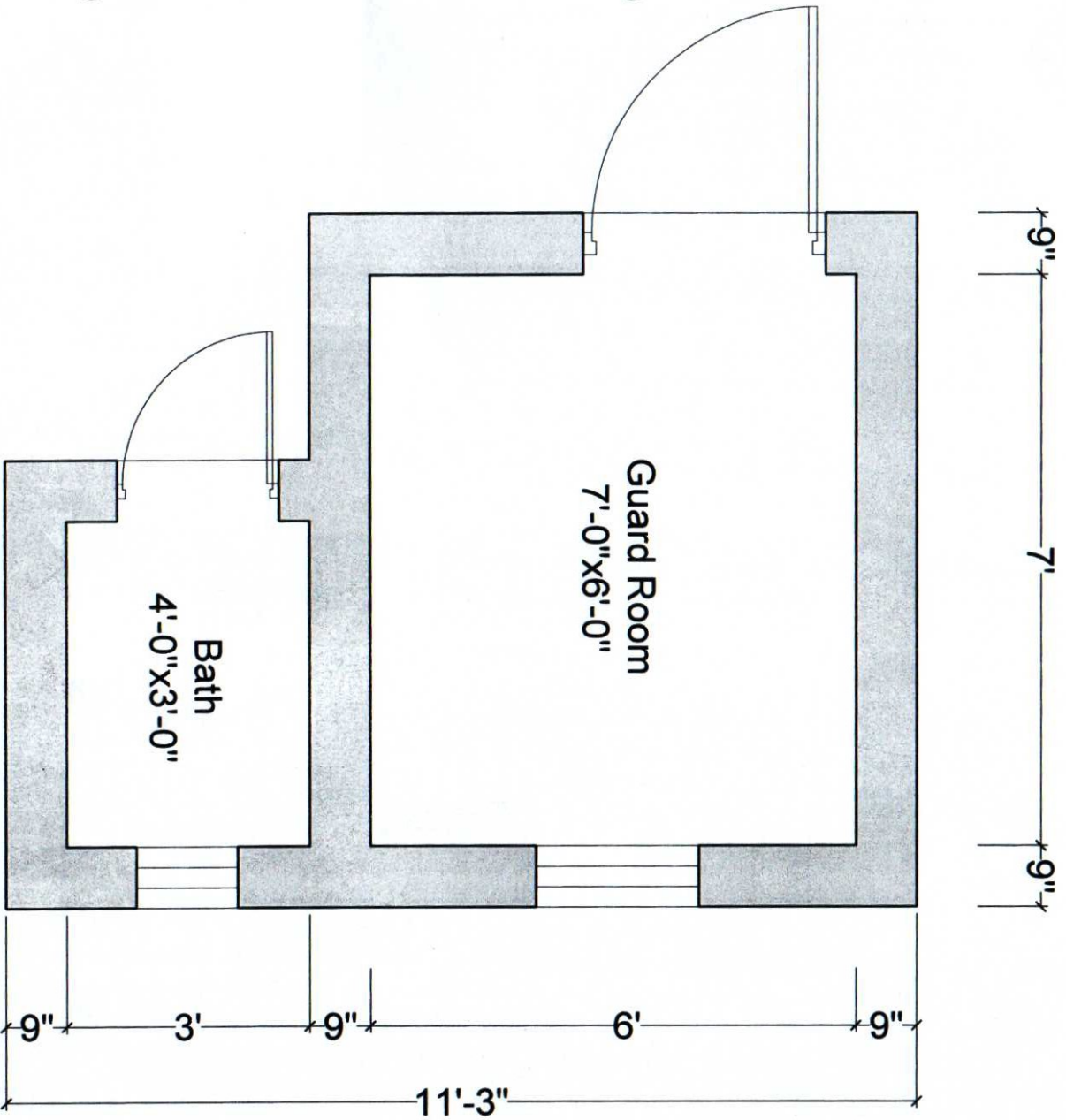
BOUNDARY WALL ELEVATION

SECTION AT A-A




PLAN

 SUI NORTHERN GAS PIPELINES LTD. CIVIL CONSTRUCTION DEPARTMENT HEAD OFFICE LAHORE			
PROJECTS CONSTRUCTION OF BOUNDARY WALL AT CHITRAL TOWN, AYUN & DROSH			
TITLE BOUNDARY WALL DETAIL			
DRAWN	CHECKED	VERIFIED	APPROVED
M.SOHAIB <small>ASSOCIATE ENGINEER (C)</small>	M.SIDDIQUE KHAN <small>TECHINACAL OFFICER (C)</small>	RAO M. WAQAS <small>CHIEF ENGINEER (CIVIL)</small>	FARAZ NADEEM <small>INCHARGE (CIVIL)</small>



PLAN

 <p>SUI NORTHERN GAS PIPELINES LTD CIVIL CONSTRUCTION DEPARTMENT HEAD OFFICE LAHORE</p>				
<p>PROJECTS</p> <p>CONSTRUCTION OF NEW GUARD ROOM AT CHITRAL TOWN, CHITRAL</p>				
<p>TITLE</p> <p>PROPOSED PLAN</p>				
DRAWN BY	CHK'D BY	VERIFIED BY	APPROVED BY	
M. SOHAIB <small>ARCH CAD OPER. (CIVIL)</small>	M. SIDDIQUE KHAN <small>TECHNICAL OFFICER (CIVIL)</small>	RAO. M. WAQAS <small>DCE (CIVIL)</small>	FARAZ NADEEM <small>INCHARGE (CIVIL)</small>	

LIST OF APPROVED MANUFACTURERS/BRAND

Sr. No.	Description	Materials
1.	Crushed Stone Aggregate	Margallah, Sargodha (black), Sakhi Sarwar or approved
2.	OPC Cement	DG, Askri, Lucky, Charat, Maple Leaf or approved
3.	Reinforcement Steel, Deform, Gr-60	AFCO, Mughal, Fazal, F.F Steel or Approved Equivalent
4.	Sand	<ul style="list-style-type: none"> • Local Sand PCC 1:4:8, Brick Masonry, Sand Filling, Chenab Sand for Brick works & Plaster works • Lawarnacepur/Chenab sand for plaster • Lawarnacepur/Chenab/Sakhi Sarwar Sand for all RCC Works
5.	Ceramic Tiles	EMCO, Master
6.	Plastic/Vinyl emulsion/Enamel (Matt or Gloss)	ICI Dulux, Robbialac Berger
7.	G.I. Pipes	IIL (M)
8.	G.I. Pipes (Fittings)	Chinese (Imported)
9.	Gate Valves & Sluice Valves	Chinese Imported
10.	Pigment	Chinese (Imported)
11.	Hardware, Stays & Handles (Brass)	Moosa, Pistol
12.	Window Glazing	Malaysia, Indonesia
13.	Stainless Steel Sink	Atlas, Super Asia
14.	Cast Iron Pipe, Fitting & Fixtures	Alpine, Teepu supreme spun pipe (Sandal Engineering PVT), (Soil & Waste), (Rain Water & Vent Pipe) Floor Trap etc.,
15.	UPVC Pipes & Fittings	DADEX, BETA, Shavel
16.	RCC Pipes	Shalimar, Akram, as per attached specifications
17.	Sanitary Fixtures	Baig, ICL/IFO, Master, Sonex
18.	Flushing Cistern	ICL/IFO, Master, Sonex
19.	Sanitary Fitting	ICL/IFO, Master, Sonex
20.	Anti Termite	Dursbin, Biflex
21.	Water proofing agent on sloppy roof	Dyna bond, Vandex, FEB
22.	Light fixtures	Original Philips Pakistan, DAMPA
23.	Distribution Boards, Main Panel Board	Siemens Pakistan, PEL Lahore, NBI Jameel Ind. Lhr
24.	Cables & Wires	Pakistan Cables Ltd. Newage Cables
25.	PVC Conduit & Accessories	Shavyl, Galco, Beta
26.	Switches, Sockets and Power Plugs	Local Bush

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27.	Back Boxes, Pull Boxes, etc., Telephone Junction Boxes	Hussain & Co-Karachi, N.R. Industries Lahore , MISTO Lahore
28.	Telephone Cables Dish Antenna Cables	Siemens Germany, Pakistan Cables, Newage Cables
29.	Fans/Exhaust Fans	Pak Fan, GFC
30.	MCCB, MCBs, ELCB/RCCB	TeraSaki-Japan, Fuji-Japan, Legrand-France/Itlay, Siemens-Germany, Marlin Gerli (M&G)-France, Mitsubishi-Japan
31.	Overhead Water Tank (Plastic)	Super Tuff (Double Ply)
32.	PVC Duct for Wiring	Legrand, Adamjee (Duraduct)
33.	Copper Conductor	99.9% Pure Electric Copper Conductor, Pakistan Cable, Newage Cable or equivalent as approved by the Company
34.	Telephone wiring accessories	BUSCH, Switch kit, Clipsal
35.	Aluminum Product	Pakistan Cables
37.	Glass Block	Indonesia/Malaysia
38.	Door/Window Hardware, Locks, Hingers	Lock of Alpha/Yanx (Japan) Hinges of Sitara, Door Closer, President (Korea) and New Star (Japan) Yanx (Japan)
39.	Voltmeter, Amperemeters & Switchgear accessories	Germany, Denmark, France, Swiss, Italian, Japanese make
40.	Graphiato	Rock Wall, Rock Shield
41.	Pavers Tuff Tiles	Tuff Pavers, Izhar Limited or equivalent
42.	Hot Bitumen	PB3 or PB4
43.	Goldomatic Centrifugal Water Supply Pump (Jet, Ejector)	Golden Gujranwala
44.	Polythene Sheet	60 Sft = 1kg
45.	Double Tee Planked R.C.C Roof Slab	Izhar Group of companies

NOTE:

1. All materials shall be as per brands given in above table or equivalent approved by Incharge (Civil).
2. Samples of all construction material should be got approved from the Incharge (Civil) before installation at site.
3. Original cash memo/certificate from authorized dealer will be provided by the contractor to Incharge (Civil) before installation when required.
4. Concrete Mix. To be 1:2:4 for lintel, beams, etc.
5. 28 days' Cube Strength of cement not to be less than 3000 psi.
6. Cover for steel should be 1" all round in beams and ½" for slab.
7. Reinforcement steel shall be grade 60 Deformed ASTM.
8. First class brick to be used at site with average minimum compressors strength of 10 bricks should be above 1500 Psi