



SUI NORTHERN GAS PIPELINES LIMITED

TENDER DOCUMENT

**HIRING OF FIRM
FOR DATA VALIDATION, MODELING AND
DESIGNING OF MITIGATION STRATEGY
AGAINST HVDC INTERFERENCE
WITH SNGPL'S TRANSMISSION &
DISTRIBUTION PIPELINES**

**TENDER ENQUIRY No.
SNT/CC/HVDC/2026/01**



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1.0 Invitation for Hiring of Third-Party Contractor Firm

Sui Northern Gas Pipelines Limited, herein after referred to as SNGPL is the largest integrated gas company in Pakistan, engaged in the construction of high-pressure transmission & distribution gas pipelines and dealing with transportation & distribution of the natural gas to the industrial, commercial, and domestic sectors. The total transmission and distribution networks of SNGPL are 9,389 Km (ranging from 4 to 56 inches diameters) and more than 151,419 Km (ranging from 3/4 to 24 inches diameters), respectively. SNGPL has over 7.5 million commercial, domestic & industrial consumers. Annual gas sales to these consumers were 623,724 MMCF during July 2019 - June 2020. The underground Pipeline network is externally coated and protected with an impressed current cathodic protection system. The pipeline coatings include coal tar enamel, 3-layer polyethylene, and viscoelastic & polymeric tapes. These pipelines prior to their construction were coated in the yard, or by line-travelling machines and in some cases in the factory.

Compressor stations are installed at 11 locations with a total installed compression capacity of 216800 horsepower along the transmission pipeline. Discharge gas cooling system has been installed at the compressor stations in order to cool the high discharge gas temperature and to maintain it at not more than 110 °F. Most of the pipelines are running parallel, sharing the same right-of-way (ROW). The older pipelines aging 30 years or more have hot-applied coal tar-based enamel coating, whereas the relatively new pipelines have factory-applied 3-layer polyethylene coating in conjunction with heat-shrinkable sleeves (HSS) on the girth weld joints. For corrosion protection, an impressed current cathodic protection (ICCP) system has been installed since the commissioning of the pipelines. Cathodic protection criteria are applied in accordance with NACE SP-0169.

An inter-state HVDC power project, CASA-1000, is under construction in Pakistan regarding which SNGPL was not consulted during the feasibility assessment & designing phases. Several of our transmission & distribution MS pipelines exist in the vicinity of and in close proximity of under execution HVDC line, while an under-construction pipeline closely crosses the electrode station. So, we are seriously concerned about the integrity of our pipelines when the HVDC project is commissioned. The data of both the HVDC project (received from the power utility company) and SNGPL pipeline network in the vicinity / close proximity are given below in the upcoming paragraphs.



SNGPL intends to hire the services of a local/foreign contractor firm specialized in providing consultancy on assessments of corrosion threats due to HVDC interference with gas pipelines, having adequate experience/expertise in carrying out studies/modeling for HVDC interference with underground metallic gas pipelines and advising comprehensive solutions to ensure the incident-free and safe operation of SNGPL’s pipeline system in the vicinity of HVDC electrode station & power line. The bidder may be a joint venture of local and multinational companies, each having relevant expertise in similar works and a sound professional reputation. The bidder must have successfully completed at least three (3) similar projects for oil & gas pipeline companies. Details and certificates of satisfaction from the clients of previously completed jobs of similar nature must be attached as evidence.

The study shall be carried out and analyzed by qualified and experienced personnel, utilizing appropriate and industry-accepted analytical methods, algorithms, and software as applicable. The findings shall be compiled into a clear and comprehensible report. Based on the results of the study, the contractor shall provide definitive conclusions and comprehensive

recommendations, including comprehensive solutions to the above interference issues. The relevant and applicable standards, including but not limited to ASME, NACE (AMPP), ASTM, and other accepted industry practices, shall be followed for guidelines in this regard.

2.0 Scope of Work

The scope of the requisite services shall include, but not be limited to:

- i. Assessment of safe distance, i.e., the minimum distance between HVDC line and gas pipelines necessary to avoid the adverse impacts on the gas pipelines.
- ii. Identification and provision of mitigation measures to cover pipelines already laid/installed at a depth up to 30 ft (through HDD mode) from NSL within a distance of 1000 meters from the center of the electrode station.
- iii. Data verification/collection in case of any inconsistencies, including modeling and simulation to analyze interference, predict potentials, and validate CP system design.
- iv. Development of and proposing a detailed mitigation strategy along with a BOQ to counter the impacts of the HVDC line on the gas pipelines without re-routing the pipelines.

Note: Any errors or discrepancies identified during data verification shall be taken into account by the Contractor, and all associated costs arising therefrom shall be borne by the Contractor.

3.0 Eligibility Requirement

Local and international bidders meeting the following eligibility requirements shall be considered for the award of the contract:

- 3.1 The bidder shall be a legally incorporated, corporate entity, or representatives are eligible to apply for qualification directly or on behalf of their principals.
- 3.2 The local shall be a company engaged in corrosion engineering with demonstrable experience in corrosion control & cathodic protection designs, surveying, installations, and troubleshooting.
- 3.3 The bidder shall have full-time in-house expertise with experience of at least 10 years in DC interference study & its mitigation, while having NACE (AMPP) CP level 4 training and certification (both) from AMPP institute.

- 3.4 Bidders shall have a traceable financial record and shall submit audited financial statements and/or management accounts of the organization for the last two (2) fiscal years.
- 3.5 In case of local bidder, the bidder shall have an adequate organizational set-up, competent personnel, equipment and facilities, and other resources as mentioned in procedures/terms under Clause-4 of this document, for carrying out similar studies and modeling. The modeling work and its associated scope may be outsourced to a foreign company, but such company shall have a proven track record of having successfully completed at least two (2) similar projects and studies involving pipeline networks exceeding 50 km in length.
- 3.6 The bidder shall agree to abide by all national, federal, provincial, or local bodies' laws, rules, and regulations of Pakistan as applicable to their work.
- 3.7 The bidder firm, if local, should have a valid registration with the Pakistan Engineering Council.
- 3.8 The bidder should meet all health, safety, and environment (HSE) requirements of SNGPL, enclosed as "Annexure-D".

Note: If the bidder is applying for the award of works, in association with some other company, both companies should meet the above eligibility requirement individually (Except the PEC in case of a foreign partner).

4.0 General Conditions of Contract

4.1 Purchase of Tender Documents

The interested firm shall apply for the purchase of the tender document through a formal letter to the following office, against a tender cost of Rs. 2,500/-.

**General Manager (Corrosion Control)
Sui Northern Gas Pipelines Ltd,
Ground Floor, LDA Plaza,
7-Egerton Road.
Lahore. 54000.
Pakistan
Phone # +92-42-99201418
Fax # +92-42-99201418**

4.2 Preparation of Proposal

Bidder meeting the eligibility requirements and desirous of applying for the services shall prepare a comprehensive proposal containing the following information/documents:

4.3 Formal Submission of Letter

A formal letter from the Chief Executive Officer or the Partner of the bidder company/firm, or a duly authorized company official, confirming that the bidder has read and understood the eligibility requirements and other conditions specified in this Invitation to Hire Services and that it shall abide by all applicable conditions in respect of the hiring process. In case the bidder proposes to associate with another company, whether as a partner or sub-contractor, a similar letter along with the qualification data, as specified herein, shall be submitted for each such company as part of the proposal.

4.4 Corporate and Financial Details

- a) Company/firm profile, including details of the corporate structure, place of registration and a detailed description of areas of business.
- b) Total number of employees on company's/firm's permanent payroll.
- c) Details of company-owned relevant equipment and duly licensed software.
- d) Copies of company's/firm's audited financial statements or management accounts for the last two (2) years.
- e) Address of the company's/firm's office from which this tender shall administered.
- f) Name, designation, and contact number of the company/firm official who will be the focal person with this tender.
- g) Copies of valid ISO, PEC, or other related/valid certifications, where applicable.
- h) Disclosure of any litigation and/or arbitration indicating the number of cases in which an award of such litigation/arbitration was given against the bidder.
- i) Disclosure of any planned merger, acquisition, sale or buy-out involving the bidder that is expected to become effective within the next three (3) years.

4.5 Administrative & Management Requirements

- a) An organizational diagram illustrating the position of the company/firm within any parent or affiliated organization, where applicable. The relationships between departments within the same organization shall be clearly indicated.
- b) Documented procedures demonstrating that company/firm personnel are free from commercial, financial, or other pressures that could affect their professional judgment.
- c) The size, structure, and composition of the company/firm shall be adequate to ensure competent performance of the tasks and assessments covered under this assignment.
- d) The company/firm shall maintain a documented policy within its quality management system ensuring the observance of SNGPL confidentiality requirements. For the purposes of the proposed assessments/studies, access to results, and recommendations shall be limited to the Client (SNGPL), unless otherwise authorized in writing.
- e) A comprehensive procedure or methodology proposed for carrying out the required study/assessment, to be implemented by personnel having proven experience/expertise in similar assessments/studies.

4.6 Quality System and Certifications

- a) The company/firm shall have a quality manual meeting the requirements of ISO/ASME/NACE (AMPP)/API and other related standards.
- b) The position of the expert (however named) shall be clearly indicated in the organizational chart. The expert shall be free from any influence or conflict of interest that may affect the quality of his/her work.
- c) Management reviews shall be conducted periodically, taking into account relevant information including, but not limited to, reports from supervisory and managerial staff, results of internal quality audits and external assessments, client complaints, required changes needed in the quality system, adequacy of current human and equipment resources, future work plans, estimates for new work, and the training needs of both new and existing staff. The frequency of management reviews shall be determined by the company/firm.

4.7 Personnel

- a) The company/firm shall provide its corporate profile, organogram, and CVs of key personnel proposed to be deputed on this project, along with evidence of relevant AMPP certification in their respective fields of specialization and their designated positions. The company/firm shall ensure that its permanent personnel or personnel engaged under long-term contracts are effectively supervised, competent, and perform their duties in accordance with the inspection body's quality system.
- b) The company/firm shall maintain a sufficient number of permanent competent personnel possessing the requisite education, training, technical knowledge, skills, and experience necessary to undertake the category, range, scope, and volume of the work to be performed.
- c) An accredited company/firm shall define and document the qualifications, training, experience, and the level of knowledge required for the inspections/assessments to be carried out. Such qualifications, training, and experience shall be appropriate to the scope of inspection for which accreditation has been granted.
- d) The company/firm shall ensure that relevant personnel are trained by competent external organizations like AMPP.
- e) The company/firm shall establish and implement a Code of Conduct addressing matters relating to professional ethics, impartiality, personal safety, relationships with customers, compliance with company rules and any other issues necessary to ensure the proper conduct of inspection firms

4.8 Facilities, Software & Equipment

The company/firm shall perform DC interference and grounding analysis using **industry-recognized, validated electromagnetic/grounding modelling software** capable of, inter alia:

- a. Modelling **HVDC ground electrodes** and ground return currents
- b. Modelling **layered soil resistivity** (1D/2D/3D)
- c. Computing **ground potential rise (GPR)** and surface potential gradients
- d. Modelling **buried metallic pipelines** as distributed conductors
- e. Simulating **DC current pickup and discharge locations** on pipelines
- f. Incorporating **coating resistance, coating defects, and cathodic protection systems**
- g. Performing **calibrated analysis using field-measured data**
- h. Acceptable software platforms include, but are not limited to:
- i. **CDEGS (Safe Engineering Services & Technologies)** or
- j. **COMSOL Multiphysics (or equivalent FEM-based tools)**

Note: All equipment identified and utilized by the company/firms, shall be traceably calibrated to applicable national or international standards where possible.

4.9 Assessment Methods & Procedures

- a) The requirements against which the assessments are to be performed shall be those specified in regulations, standards, or specifications. The inspection company/ firm shall document the methods and procedures for carrying out such assessments in accordance with the TORs of assessments.
- b) A comprehensive procedure or methodology shall be adopted to carry out the assessments.
- c) The assessments shall be analyzed by qualified and experienced personnel using appropriate/applicable algorithms and/or software, and the results shall be presented in a clear and comprehensible report format.

- d) Each procedure should be reviewed by the inspection/contractor firm to ensure that:
- i. The client's requirements are adequately defined, documented, and understood.
 - ii. The company/firm has the capability to meet the client's requirements.
 - iii. Contract conditions are agreed.
 - iv. All equipment, software & facilities needed are identified.
 - v. Statutory requirements are identified.
 - vi. Safety requirements are identified.
 - vii. Worksheets, notebooks, etc., used to record observations during assessments/inspections shall be retained for reference for a defined period.
 - viii. Documented procedures should include procedures to ensure the safety of personnel and, where appropriate, protection of the surrounding environment.

4.10 Other Information

Any other information, which in the bidder's opinion may be considered suitable for pre-qualification.

4.11 Submission of Proposal

The proposal shall be prepared in an indelible link and shall not contain any overwriting, except as necessary to correct errors made by the bidder. Any such corrections shall be signed by the person(s) who signed the proposals. All of the information, data, and documents required under this tender shall be neatly typed or printed.

The Contractor shall prepare their bids in two parts, i.e. Technical Proposal (Part-1) and Financial Proposal (Part-2). Both parts shall consist of one original and one copy and shall be sealed in separate envelopes. The Technical proposals shall be evaluated first (Appendix-I), and the financial proposals (Appendix-II) will be opened to the bidder (s) who shall stand qualified in the Technical Proposals. Two sets of proposals compiled in hard-bound folders in sealed envelopes/boxes shall be submitted or mailed through courier and submitted at the following address:

**General Manager (Corrosion Control)
Sui Northern Gas Pipelines Ltd,
Ground Floor, LDA Plaza,
7-Egerton Road.
Lahore. 54000.
Pakistan
Phone # +92-42-99201418
Fax # +92-42-99201418**

“Hiring of Firm for Mitigation Strategy against HVDC Interference with SNGPL's Transmission & Distribution Pipelines” shall be prominently written on each envelope.

Only those parties that have purchased the tender documents from SNGPL shall be eligible to submit a proposal. All proposals received by the specified closing date shall be considered by SNGPL. Proposals received after the submission deadline shall not be considered and shall be returned unopened.

4.12 Last Date for Submission of Proposal

The proposal, as prepared in accordance with the above requirement, should reach the above address no later than **26-03-2026 at 1100 hours**. SNGPL, at its sole discretion, may extend the submission deadline, and any such extension will be notified to all parties who have purchased this tender document. SNGPL shall not be responsible for any proposal detained, delayed, misplaced, or lost in transit, whether by mail or otherwise.

4.13 Language of Bid

All communication between the bidders and SNGPL shall be in English language.

4.14 Bid Bond

- a) Bidders shall submit a bid bond along with their bid documents/quotations, in the amount of Rs. 100,000/- in the form of a pay order or demand draft from a scheduled bank. Any bid submitted without a bid bond shall be rejected. Bid bonds of unsuccessful bidders shall be returned upon request after the opening of bids.
- b) The bid bond of the successful bidder shall be retained until the contract is signed and the Performance Bond is furnished.
- c) The Bid Bond shall be valid for 30 days beyond the validity period of the bid. However, the bidders shall, if required, extend the validity of the Bid Bond for an additional period of ninety (90) days at no additional cost, if so required by SNGPL. The Bid Bond of the unsuccessful bidder shall be returned.
- d) Any bid not accompanied by the requisite Bid Bond shall be rejected as non-responsive. The bid bond of the successful bidder may be forfeited in case of failure to execute the contract and provide the Performance Bond / Bank Guarantee, in accordance with the terms of reference of the tender documents.
- e) If the successful bidder refuses to or fails to enter into a contract within thirty (30) days of intimation from SNGPL, SNGPL will invoke the Bid Bond forthwith.

4.15 Performance Bond

- a) The successful bidder shall furnish a Performance Bond, within fifteen (15) days from the date of issuance of the Letter of Intent, in the form given in Annexure-A for an amount equal to ten percent (10%) of the contract sum. The Performance Bond shall remain valid from the date of the contract until three (03) months after the issuance of

the certificate from SNGPL confirming satisfactory completion of the work. The Performance Bond shall be extendable for such further period as may be required and duly notified by SNGPL before the expiration of the initial validity period.

- b) The Performance Bond shall be provided in the form of a Bank Guarantee issued by any scheduled Bank of Pakistan. Alternatively, the Performance Bond may be provided in the form of Pay Order, Bank Draft, or CDR favoring SNGPL along with the undertaking on non-Judicial stamp paper of Rs. 100/- as given in Annexure-A.
- c) The cost of the Performance Bond shall be borne by the successful bidder.
- d) Failure or neglect to furnish a Performance bond as specified shall be considered as abandonment of the contract by the bidder, and the bid bond shall be liable to be invoked by SNGPL.
- e) The Performance bond shall be furnished in accordance with the conditions of the contract before execution of the contract.
- f) **Bid Currency**
Price shall be quoted in Pak Rupees inclusive of all taxes, duties, levies, charges etc.; whether current or future. Each page of the bid documents shall be duly signed and stamped by a duly authorized person. Over-writing/over-typing shall be avoided, which may amount to rejection/disqualification.
- g) **Validity of Bids**
 - i. Bids shall remain valid unconditionally, for acceptance, for a period of 180 days from the actual date of bid opening.
 - ii. In exceptional circumstances, prior to expiry of the original bid validity period, the bidder may be requested in writing to extend the period of bid validity.

4.16 Joint Venture

- a) The Bidder can form a joint venture with other reputed companies, firms, or groups that meet the eligibility requirement; however, the contract shall be awarded solely to the main bidder.
- b) In the event of a joint venture formed comprising two or more companies/firms, the “main bidder” shall be nominated and shall accept all the liabilities and obligations of the joint venture partners under the contract. The corporate profile of each partner(s) shall also be provided.
- c) The main bidder shall be authorized to incur liabilities and receive instructions on behalf of any and all joint venture partners. All aspects of contract execution, including payments, shall be undertaken exclusively with the main bidder.
- d) A copy of the joint venture agreement executed between the partners shall be submitted along with the bid.

4.17 Clarification on Tender Documents

Any party that has purchased the tender documents may seek clarification via fax, e-mail, or letter from the office of “**General Manager (Corrosion Control)**” at the address given above. SNGPL shall respond to all queries received from the bidders at least five (5) working days prior to the last date for submission of proposals. Queries received after this deadline shall not be responded.

4.18 Amendment in Tender Documents

SNGPL, at its discretion, may issue amendment(s) to this tender document, in writing, any time prior to the deadline for submission of bids.

4.19 Clarification on Tender Documents

After receiving proposals, SNGPL may request additional information or clarification regarding the contents of the proposals or any missing information in the proposals. Bidders shall be required to promptly provide such clarification or submit the requested information as required by SNGPL.

4.20 Time for Completion

The Contractor shall complete all works in accordance with scope of work specified in the tender documents, the contract, etc. ensuring the entire work is fully executed within three (3) months from the date of issuance of work order. SNGPL reserves the right to impose penalties for any delay completing the works within the stipulated period.

4.21 Payment

- a) All payments to the Contractor shall be made in the currency in which bid had been accepted.
- b) SNGPL shall make payments to Contractor as under:
 - i) No mobilization advance shall be payable after execution of the contract.
 - ii) The payment shall be made after submission of final report.
 - iii) Upon completion of the work in all respects and in accordance with the specifications, the Contractor shall submit to SNGPL a detailed statement of total amount claimed whether paid or unpaid, together with the completion certificate issued by SNGPL. After verification, SNGPL shall make final payment to Contractor subject to any deductions.

4.22 General

- a) SNGPL shall have the right to take appropriate actions either independently or through bidder for verification of any of the information included in the proposal.
- b) SNGPL shall not be liable for any cost or expenses which may be incurred by the bidder or its associate in connection with this tender until and unless any scope increases which will be mutually agreed and settled down separately.
- c) SNGPL at its discretion may cancel the tender process without giving any reason. All bidders shall be informed if the tender is cancelled / postponed.
- d) The tendering process does not in any way be obligation for SNGPL to proceed with the work.
- e) SNGPL shall not be responsible / liable for any arrangements / claims regarding mobilization / transportation, safety, security, lodging of personnel / equipment, messing of contractor's personnel and any other arrangements required for the execution of the whole assessment works / related tasks by the contractor firm.
- f) In case of any local issues, SNGPL will resolve and clear the site to ensure smooth and safe execution.
- g) SNGPL shall not be responsible / liable to any bidder or its associate for any damages or consequences if the tendering process is cancelled.
- h) The intended bidders are advised that the tendering process shall be carried out strictly following the procedure, specified in this document. Bidders should, therefore, not try to influence the qualification process or use any intermediate party on the understanding that the party can in any way facilitate the bidder's qualification process. Such attempt shall lead to disqualification of the bidder.

5.0 Deliverables to be Produced by Contractor Firm

The Firm shall provide a comprehensive report which may be titled “**Mitigation Strategy against HVDC Interference with SNGPL's Transmission & Distribution Pipelines**” and will be delivered in two (2) hard copies along with (1) electronic copy.

The final report shall include but not limited to the following deliverables:

- i) Data Validation/Collection Reports
- ii) DC Modeling & Design Reports
- iii) DC Mitigation Report along with Drawings & BOQ

6.0 Detail of Available Data for Assessment

6.1 Data of SNGPL Pipeline Network:

6.1.1 Related to Pipelines/Coating/CP System:

- a) Pipeline chainages, i.e. KP numbers and XYZ co-ordinates relative to a common reference point:

Pipeline Segment: Charsada - Khazana Sugar Mills Line

Dia.: 8"

Coating Type: Three-Layer Polyethylene

Length: 22.64 Km

Coating Condition: Good

PSP Point No.	Location	GPS Co-ordinates		Distance from Electrode Station (Km)
		N	E	
PSP-8"-1	KP-0.00	34.126247	71.786361	6.03
PSP-8"-2	KP-0.30	34.125269	71.782825	5.77
PSP-8"-3	KP-1.72	34.122458	71.766439	4.17
PSP-8"-4	KP-3.57	34.124919	71.748386	2.7
PSP-8"-5	KP-4.72	34.126900	71.728364	1.57
PSP-8"-6	KP-7.50	34.136003	71.718039	2.57
PSP-8"-7	KP-9.11	34.137289	71.695781	3.72
PSP-8"-8	KP-10.59	34.129136	71.688394	3.65
PSP-8"-9	KP-10.78	34.125989	71.684597	3.89
PSP-8"-10	KP-12.70 (CP Station Sheikh Kalay)	34.119922	71.672067	4.75
PSP-8"-11	KP-14.21	34.120025	71.655081	6.4
PSP-8"-12	KP-15.77	34.120400	71.634464	8.29
PSP-8"-13	KP-17.45	34.121408	71.618186	9.78
PSP-8"-14	KP-18.51	34.122797	71.609422	10.55
PSP-8"-15	KP-18.67	34.121675	71.607542	10.63
PSP-8"-16	KP-18.80	34.121206	71.606767	10.86
PSP-8"-17	KP-22.64 (End Point)	34.094686	71.609481	10.78

Pipeline Segment: Charsadda-Khazana Loop Line

Dia.: 10"

Coating Type: Three-Layer Polyethylene

Length: 20.27 Km

Coating Condition: Excellent

PSP Point No.	Location	GPS Co-ordinates		Distance from Electrode Station (Km)
		N	E	
PSP-10"-1	KP-0.00	34.126247	71.786361	6.03
PSP-10"-2	KP-0.31	34.125269	71.782825	5.78
PSP-10"-3	KP-1.88			4.12
PSP-10"-4	KP-3.60			2.63
PSP-10"-5	KP-4.39			2.0
PSP-10"-6	KP-5.47	34.11943	71.732917	1.24
PSP-10"-7	KP-11.22	34.099015	71.689515	3.54
PSP-10"-8	KP-12.89			4.83
PSP-10"-9	KP-14.10			5.86
PSP-10"-10	KP-15.55			7.20
PSP-10"-11	KP-17.08			8.75
PSP-10"-12	KP-18.46			10.02
PSP-10"-13	KP-20.28 (End point)			10.83

b) Other pipeline details:

8" dia. Charsada - Khazana Sugar Mills Line

Wall Thickness: 0.219"

10" dia. Charsadda-Khazana Loop Line

Wall Thickness: 0.250"

c) Pipelines coating (type and distribution):

8" dia. Charsada - Khazana Sugar Mills Line

Coating Type: Three-Layer Polyethylene

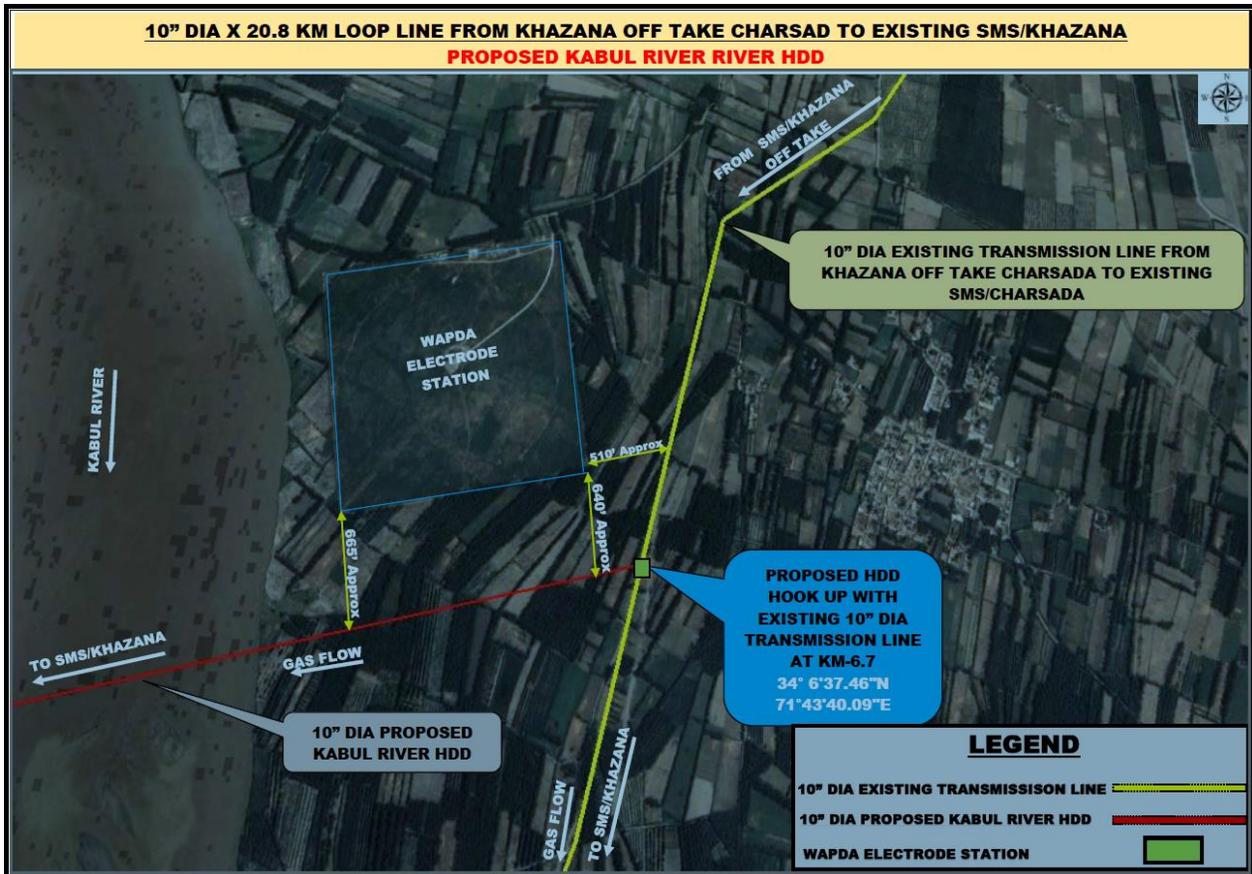
10" dia. Charsadda-Khazana Loop Line

Coating Type: Three-Layer Polyethylene

Coating Break Down Factor: 0.000601

d) CP system details:

Sr. No.	CP System	Type of Power Source	GPS Coordinates of CP System		Construction Year	Ground Bed Type	GPS Coordinates of Ground bed		Type of Anodes	DC Output		Connected Pipeline
			N	E			N	E		Volts	Ampere	
1	Shiekh Kalay	TEG Unit	34.119939	71.672997	2000	Horizontal	34.11896	71.69331	HSCI	6.2	1	i) 8" dia. Charsadda - Khazana line ii) 10" dia. Charsadda - Khazana loop line will be tied-in after commissioning
2	Charsadda	TEG Unit	34.137778	71.768725	1972	Horizontal	34.13666	71.769200	HSCI	8	9.8	
3	Sacrificial Anode # 1 MP-3.40	-	34.119430	71.732917	2025	-	-	-	-	-	-	10" dia. Charsadda - Khazana loop line
4	Sacrificial Anode # 2 MP-6.97	-	34.099015	71.689515	2025	-	-	-	-	-	-	10" dia. Charsadda - Khazana loop line



e) Location of insulating joints along each pipeline

8” dia. Charsada - Khazana Sugar Mills Line

KP-0; PFIJ Short

10” dia. Charsadda-Khazana Loop Line

KP-0; PFIJ OK

6.1.2 Related to the HVDC and its Grounding System:

a) Positioning, geometry and dimensions of each ground electrode:

The dimension of each electrode element is 75 mm in diameter and 1200 mm in length.

b) Grounding electrodes material:

High Silicon Iron Rods

6.1.3 Related to Environment/Electrolyte:

a) Soil resistivity:

Can be layered and variable from region to region

b) Resistivity for all backfills and coke beds involved including dimensions of the backfill area:

0.02 Ohm m. The amount of coke in each sub-electrode is approximately 6 cubic metres. 60 m length with an outer diameter of 356 mm.

6.2 Data of HVDC Project (CASA-1000):

6.2.1 Design and Installation Standards:

The CASA-1000 +500 kV HVDC system has been designed and installed in accordance with internationally recognized standards, including:

- IEC 61284, IEC 60826, IEC 60071, IEC 60815, IEC 61089, IEC 61000
- World Bank Group EHS Guidelines
- IFC Performance Standards (PS1—PS8)
- For HVDC-specific components such as the Earth Electrode Station, reference is made to IEC standards and CIGRE recommendations. In this regard, CIGRE Technical Brochure No. 675 — “General Guidelines for HVDC Electrode Design”, which includes recommendations on the interaction between electrodes and buried pipelines, and the potential need for mitigation measures such as adjustments to cathodic protection systems.

6.2.2 System Configuration:

The CASA-1000 HVDC system operates in bipolar mode under normal conditions. Therefore, no current flows through the Earth Electrode Station during standard operation.

6.2.3 System Rating and Current Levels:

- Main Transmission Line: +500 kV
- Earth Electrode Line: +66 kV
- Bipolar rating: up to 1300 MW, corresponding to -1300 A per pole (quad-bundled Cardinal ACSR conductors).

6.2.4 Fault Current Levels:

On the AC side, the system is designed to withstand AC-side fault currents up to 63 kA under abnormal conditions. On the DC side, fault currents are actively controlled by the MACH control system. In the worst-case scenario (e.g., monopolar fault near the converter station), the maximum DC fault current is limited to approximately 5-7 kA, due to the impedance of the converter transformer and smoothing reactor.

6.2.5 Fault Duration and Protection Response:

In the event of a DC fault, the MACH control system blocks the converter within less than 20 ms, effectively limiting the fault duration. If the primary control fails, backup protection mechanisms will interrupt the fault current within 80—100 ms.

6.2.6 Earth Electrode Operation During Faults or Maintenance:

Under normal bipolar operation, no current flows through the Earth Electrode Station. In the event of a fault on one pole, the system temporarily operates in monopolar mode, with 1.3 kA flowing through the Earth Electrode Station, returning via a similar electrode installed in Tajikistan.

Importantly, no current is injected into the local ground from the converter station. In case of outage of one pole of the converter station, the system is automatically reconfigured to route the return current through the line conductor, ensuring that no current flows through the electrode even in this scenario.

6.2.7 Moreover, following information/data/drawing may be provided to successful bidder/contractor firm for the analysis:

Sr. No.	Description
1.	Complete detail of SNGPL's distribution & transmission pipelines crossing / in the vicinity of HVDC power line / electrode station / convertor station
2.	Initial assessment report by SNGPL
3.	Lay-outs & coating condition reports of buried pipeline
4.	Soil investigation report
5.	Positioning, geometry and dimensions of each ground electrode
6.	Any other information, data, report, diagram, etc.

7.0 Evaluation of Proposals

Proposals received by the end of prescribed deadline for submission shall be first reviewed for complete information and compliance with eligibility requirement.

Proposals not containing substantial information as asked for in the tender documents or not meeting the eligibility requirement shall not be considered for evaluation. Proposals containing substantial information and complying with eligibility requirements shall be evaluated adopting a points-based evaluation criteria considering the following:

- I. Bidder company's corporate structure and financial strength.
- II. Bidder's company experience of similar assessment / study works.
- III. Bidder's resources for carrying out the such / similar assessment tasks.
- IV. Experience of staff of the bidder proposed to be deployed for such / similar assessment tasks.
- V. Bidder's past record of litigation / arbitration.

All eligible bidders shall be evaluated based on the criteria set forth above, with a total of 100 points allocated to each of the above attributes according to their relative importance. The information and data provided by each bidder shall be reviewed and points shall be awarded against each attribute. Bidders shall be ranked in order of the total points obtained by

the bidder. Only bidders deemed capable of executing the inspection work, as determined on the basis of the evaluation criteria, shall be qualified for participating in the bidding process for the job. All bidders shall be informed of their qualification or otherwise.

8.0 Documents to be Provided

Copies of following documents and other relevant documents that could support for qualification must be submitted.

- Bank's Certificates
- Annual Financial Statement (s) for the last two (2) years.
- Tax clearance / Deposit Certificates
- NTN Certificate
- Last Financial/Management accounts Report of last two (2) years
- Professional Tax Certificate
- Collaboration with other Companies & Regions
- Collaboration with Local Firms
- List of Organizations with whom you are already enlisted in Pakistan
- Detail of inspection/ assessment/ Job orders executed in last five years with volume and value of contract indicating nature of work with phone numbers and addresses of clients and contact persons (if available)
- Supporting documents as required for enclosed forms 1-3 of technical qualification.

APPENDIX- I

TECHNICAL PROPOSAL

SUI NORTHERN GAS PIPELINES LIMITED
Hiring of Firm for Mitigation Strategy against HVDC Interference
with SNGPL's Transmission & Distribution Pipelines

Form No. 1

GENERAL CORPORATE INFORMATION

Sr. No.	Description	Total Marks	Answer
1.1	Type of Firm 1. Public Ltd. / Private Ltd. 2. Partnership 3. Proprietorship	-	
1.2	Area of Operation / Presence <ul style="list-style-type: none"> • Registered Offices (02 and above) 4 • Registered Offices (01) 3 		
1.3	Average Annual Turnover <ul style="list-style-type: none"> • Up to Rs. 50 Million 6 • Up to Rs. 25 Million 5 • Over Rs. 10 Million 3 		
1.4	Date of Establishment <ul style="list-style-type: none"> • 2-5 years 4 • > 5 years 5 		
1.5	Registration with PEC (for local firms) Mandatory Requirement	5	
	TOTAL		

Bidders Name & Stamp with Authorized Signatures

Total Marks: 20
 Minimum Required Score: 13

SUI NORTHERN GAS PIPELINES LIMITED
Hiring of Firm for Mitigation Strategy against HVDC Interference
with SNGPL's Transmission & Distribution Pipelines

Form No. 2
EXPERIENCE IN INSPECTIONS/ ASSESSMENTS OF
OIL & GAS RELATED TASKS

Sr. No.	Description	Total Marks	Answer
2.1	Experience in the field of pipeline & pipeline integrity assessment projects in oil & gas sector <ul style="list-style-type: none"> • Over 07 years • 03-07 years 	10 5	
2.2	Experience in Field of AC/DC Interference & Its Mitigation <ul style="list-style-type: none"> • Over 07 years • 03-07 years 	15 10	
2.3	Number of such / similar integrity assessment projects including AC/DC Interference assessments successfully completed in oil & gas sector: <ul style="list-style-type: none"> • Over 5 • 2 - 5 	10 5	
2.4	Client Reference: <ul style="list-style-type: none"> • Multinationals } • Public Sectors } • Private Ltd. } 	5 3	
	TOTAL		

Note: a) Attach evidence of each above

b) Attach CVs of certified Experts, Engineers and Inspectors, revealing qualification and relevant experience with documentary evidences.

Bidders Name & Stamp with Authorized Signatures

Total Marks: 40

Minimum Required Score: 23

SUI NORTHERN GAS PIPELINES LIMITED
Hiring of Firm for Mitigation Strategy against HVDC Interference
with SNGPL's Transmission & Distribution Pipelines

Form No. 3

TECHNICAL HANDS/HUMAN RESOURCES

Sr. No.	Description	Total Marks	Answer
3.1	Qualified Engineers: Experienced in the field of AC/DC Interference assessment and its mitigation <ul style="list-style-type: none"> • 6 – 9 • 3 – 5 	15 10	
3.2	Certified Inspectors: <ul style="list-style-type: none"> • CP Level 4 (02 or more) • CP level 4 (01 No.) 	15 10	

Note: Attach CVs of Qualified Engineers, Certified Inspectors and Technicians along with proofs of their certifications.

Failure to provide CP level 04 certified expert at local level shall result to the disqualification of the firm.

**Bidder's Name & Stamp with
Authorized Signatures**

Total Marks: 30
Minimum Required Score: 20

SUI NORTHERN GAS PIPELINES LIMITED
Hiring of firm for Mitigation Strategy against HVDC Interference
with SNGPL's Transmission & Distribution Pipelines

Form No. 4

ACCREDITATIONS, ASSESSMENT FACILITIES AND OTHER REQUIREMENTS

Sr. No.	Description	Total Marks	Answer
4.1	Certification of Internal Management System ISO 9001 or Equivalent	2	
4.2	Detail of in-house assessment facilities and set-up <ul style="list-style-type: none"> • Own Facility • Contracted Facilities In case of contracted facilities, give detail along with documentary evidence.	3 2	
4.3	<ul style="list-style-type: none"> • Applicable modeling with proven software to analyze the provided data for assessment of AC/DC Interference • Applicable modeling without any software support to analyze the provided data for assessment of AC/DC Interference 	5 3	
	TOTAL		

Note: Provide the documentary evidences.

Total Marks: 10
 Minimum Required Score: 07

Bidder's Name & Stamp with Authorized Signatures

SUI NORTHERN GAS PIPELINES LIMITED
Hiring of Firm for Mitigation Strategy against HVDC Interference
with SNGPL's Transmission & Distribution Pipelines

QUALIFICATON RATING CRITERIA

Form No.	Maximum Marks	Qualification
Form 1	20	
Form 2	40	
Form 3	30	
Form 4	10	

Total Marks: 100

Minimum Required Score: $13+23+20+07 = 63$

Obtained Marks:

APPENDIX- II

FINANCIAL PROPOSAL

BID SHEET FORM (SCHEDULE OF RATES)

TENDER ENQUIRY NO. SNT/CC/HVDC/2026/01

Ref. of Contractor _____

Date: _____

Sr. No.	Description	Unit	Qty.	Rate per Unit (Rs.)	Total Amount (Rs.)	
					In Words	In Figures
01	Data Validation, Modeling & Designing of Mitigation Strategy against HVDC Interference with SNGPL's Transmission & Distribution Pipelines	--	Lump Sum			

• **Terms and Conditions:**

1. All applicable taxes shall be levied as per government rules, i.e. income tax, Professional tax, etc.
2. No cutting /overwriting will be acceptable in the price.
3. Bid shall be complete in all respects i.e. GST/NTN No., Date & Signature, Country of origin of equipment, duly stamped.
4. Envelop should be marked as Confidential, T.E. No. and closing date.
5. Contractor shall be responsible / bound to supply the services on quoted rates in case of any change / revision of rate at their end.
6. The work shall be performed to entire satisfaction of our site engineer, in accordance with applicable standards.
7. The work shall be started within fifteen days after issuance of work order.
8. The entire work will be performed as per detailed mentioned in the Tender Document.
9. **SNGPL reserves the right to place partial order as per requirement.**
10. **These rates should be valid till completion of the works.**

Contractor's Signature _____

Contractor's Stamp _____

PERFORMANCE BOND FORMAT

Sui Northern Gas Pipelines Limited,
Gas House, 21-Kashmir Road,
P.O. Box No: 56,
Lahore – Pakistan.

Hiring of Firm for Data Validation, Modeling & Designing of Mitigation Strategy against HVDC Interference with SNGPL's Transmission & Distribution Pipelines

Dear Sir,

Ref: Our Bank Guarantee No. in the sum of Rs..... (Rupees) account to you in Lahore under the Agreement Dated

In consideration of your having entered into an Agreement **for Data Validation, Modeling & Designing of Mitigation Strategy against HVDC Interference with SNGPL's Transmission & Distribution Pipelines,**

dated: with M/s..... called 'The Contractor' and in consideration for value received from Contractor, we hereby agree and undertake as follows:

1. To make unconditional payments to you from time to time as called upon or make an unconditional payment of Rs.(Rupees) being ten percent (10%) of the value of the Contract price mentioned in the said Agreement, on your written demand(s) without further recourse, question or reference to Contractor or any other person, in the event of default or non-performance under / or non-fulfillment by Contractor of his obligations, liabilities, responsibility under and in pursuance of the said Agreement of which you shall be 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 Contract and to make payment accordingly within 3 days of receipt of intimation from you.
3. To keep this guarantee in full force from the date thereof until 03 months from the date of issuance of completion certificate under General Conditions of Contract' of the tender enquiry.

4. That no grant of time or other indulgence to amendment in the terms of the Contract by Agreement between the parties or composition or arrangement with contractor in respect of the performance of his obligations under and in pursuance of the said Agreement, with or without notice to us, shall in any manner discharge or otherwise howsoever affect this Guarantee and our liabilities and commitments hereunder.
5. This Guarantee shall be binding on us and our successor-in-interest and shall be irrevocable.
6. This guarantee shall not be affected by any change in the constitution of the guarantor Bank or the constitution of The Contractor.

Yours faithfully,

CONTRACT FORM

This Agreement for “**Hiring of Firm for Data Validation, Modeling & Designing of Mitigation Strategy against HVDC Interference with SNGPL’s Transmission & Distribution Pipelines**”

made and entered into this ----- day of ----- by and between Sui Northern Gas Pipeline Limited, Gas House, 21-Kashmir Road, Lahore Pakistan hereinafter referred to as the Company of the One Part and ----- of ----- hereinafter referred to as the Contractor, (which expression shall include the successors of the said Firm, Heirs, Executors, Administrators and Assigns of the Partners of the said Firm individually) of the Other Part.

WITNESSETH:

Whereas under the procedures Tenders have heretofore been received by the Company for carrying out **Data Validation, Modeling & Designing of Mitigation Strategy against HVDC Interference with SNGPL’s Transmission & Distribution Pipelines**.

The tender of the Contractor for said work has been accepted by the Company.

Now therefore, for and in consideration of the promises, negotiations, covenants and agreements hereunder contained and to be performed by the parties hereto, the said parties hereby covenant and agree as follows:

In consideration of the covenants and agreement to be kept and performed by the Contractor, and for the faithful performance of the Contract, and the completion of the work embraced therein accordance to the specification and conditions herein contained and referred to or agreed to in course of subsequent negotiations and in accordance with the general agreement and conditions of contract the Company shall pay and the Contractor shall receive and accept as full compensation or everything furnished and done by the Contractor under this Agreement, the Contract price stipulated in the Contractor’s Tender or such other sums as may be ascertained in accordance with such conditions of Contract etc. and at rates quoted against each item of work and agreed to and accepted by the parties as one instrument and at the times and in the manner prescribed by the conditions of the Contract.

The Contractor, at his own proper cost and expenses shall do all work and furnish all labour, materials, tools, supplies, machinery, vehicles and other equipments that may be necessary for the satisfactory completion of all the works as set forth in the Contract Documents.

The maintenance of a rate of progress in the works which will result in its completion within the specified time, is an essential feature of this Contract and the Contractor agrees to proceed with all due diligence and care at all times to take all precautions to ensure the time of completion as defined herein, time being deemed to be essence of the Contract on part of the Contractor. The said work shall be started within one month of the Contractor's receipt from the Company, a written notice to proceed, and the Contractor shall have the work called for under the contract fully completed on or before the ----- day of -----.

It is understood and agreed that the Contract Documents including any addenda, thereto, consisting of the annexure are per attached list. The Contract Article Agreement and Drawings are each and all made a part hereof and have the same force and effects as if set forth at length herein.

It is agreed by the parties to the Contract that this Contract shall be executed in four counterparts, three copies to be retained in the office of the Company and one given to the Contractor.

In witness whereof, the parties hereto have executed this Contract at Lahore in four counterparts by their duly authorized representatives as of the day and year herein above set forth.

Signed for and on behalf of
Sui Northern Gas Pipelines Ltd.

Signed for and on behalf of the
Contractor

In the presence of

In the presence of

1. -----

1. -----

2. -----

2. -----

INTEGRITY PACT

Work Title: _____

Work Order No.: _____

Work Order Amount: _____

Tender Enquiry No.: _____

M/s ----- hereby declares its intention not to obtain or induce 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 its (GOP) through any corrupt business practice.

Without limiting the generality of the foregoing, M/s ----- 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, experts, 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 including the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever from GOP, except that which has been expressly declared pursuant hereto.

M/s ----- certificated that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of related to the transaction with GOP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

M/s ----- 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 rights 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, M/s ----- agrees to indemnify GOP for any loss or damage incurred by it on account of its corrupt business practice and further pay compensation, to GOP in an amount equivalent to then times the sum of any commission, gratification, bribe, finder's fee or kickback given by M/s ----- as aforesaid for the purpose of obtaining or including the procurement of any contract, right interest, privilege or other obligation or benefit in whatsoever from GOP.

Signature of Bidder

CONTRACTOR’S HSE STATEMENT

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

	SUI NORTHERN GAS PIPELINES LIMITED	DOC. # SNGPL-GPR013-F001	
		Issue # 02	Issue Date
	Contractor / Supplier / Vendor HSE Statement	Page 2 of 5	04-02-21

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:	

	SUI NORTHERN GAS PIPELINES LIMITED	DOC. # SNGPL-GPR013-F001	
		Issue # 02	Issue Date
Contractor / Supplier / Vendor HSE Statement		Page 3 of 5	04-02-21
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	
Other (specify)	
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	
		Issue # 02	Issue Date
	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 shall 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 shall 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 certificate 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 PPEs 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	