

Request for Proposal

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

International

Single Stage-Two Envelope



October 01, 2026

*Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL)), Executive Engineer
Ground Floor, LDA Plaza, 7-Egerton Road, Lahore City, Lahore (District), Lahore Division (Division), Punjab
(Province).*

Phone: +92-321-941-6698, Email: awais.zubair@sngpl.com.pk

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PROCUREMENT NOTICE

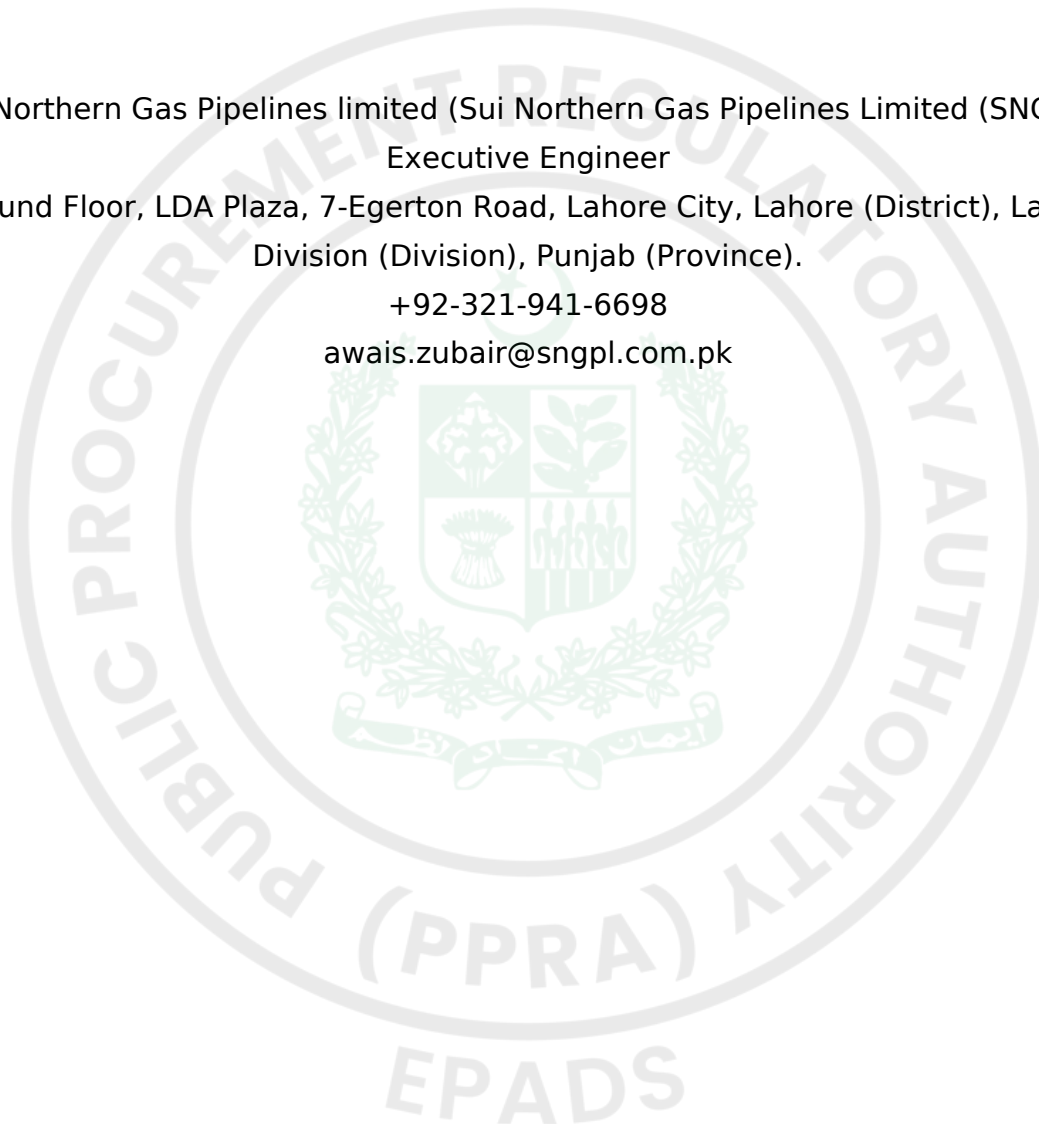
PROCUREMENT OF CONSULTANCY SERVICES

1. The **Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL))** has reserved Funds for the procurement planned for FY **2026-27**. The **Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL))** intends to apply part of the proceeds of this Fund to cover eligible payments under the contract for the consultancy services of "**HIRING OF FIRM FOR DATA VALIDATION, MODELING AND DESIGNING OF MITIGATION STRATEGY AGAINST HVDC INTERFERENCE WITH SNGPL'S TRANSMISSION & DISTRIBUTION PIPELINES**" with the reference of "**P139176**"
2. The **Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL))** invites RFP through **EPADS v2.0** from eligible Bidders registered on **EPADS v2.0** for provision of Consultancy Services.
3. **Single Stage-Two Envelope** Procedure of Principal Method of Procurement (i.e. Open Competitive Bidding) will be used by adopting **Quality Based Selection (QBS)** Technique for the subject procurement, in line with the Public Procurement Rules, 2004 and any Regulations, and Instructions issued by the Authority (from time to time).
4. All proposals must be accompanied by a Bid Security described in Bid Security Section in Bidding Document in the form of **Bid Security Not Applicable** or Bid Securing Declaration on the prescribed format described.
5. E-Bidding documents, containing detailed terms & conditions, specifications and requirements etc. are available on **e-Pak Acquisition and Disposal System (EPADS)** at **<https://epads.gov.pk/opportunities/federal/procurements/139176>**.
6. The RFP, prepared in accordance with the instructions in the e-Bidding documents, must be submitted through **EPADS v2.0** on or before **Wednesday, November 4, 2026 11:00 AM**. Proposals will be opened on the same day at **Wednesday, November 4, 2026 11:30 AM**. Manual

submission of RFPs shall not be entertained. Those consultants/Firm who have not yet registered on the new version of **EPADS v2.0**, may register themselves on <https://vendors.epads.gov.pk/>. A tutorial to explain the registration process is available at <https://www.youtube.com/watch?v=MNW6T38v7tc>

In terms of Rules 48 of Public Procurement Rules, 2004 Grievance Redressal Committee (GRC) is notified for the subject procurement and notification copy is available on the procuring agency's website and also available on **EPADS v2.0** as well as Authority's website at (www.ppra.org.pk).

Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL)),
Executive Engineer
Ground Floor, LDA Plaza, 7-Egerton Road, Lahore City, Lahore (District), Lahore
Division (Division), Punjab (Province).
+92-321-941-6698
awais.zubair@sngpl.com.pk





Instructions to Bidders

A. General Provisions

1. Introduction

1.1. The Procuring Agency named in the Data Sheet intends to select a consultant, in accordance with the method of selection specified in the Data Sheet. The eligible Consultants are invited to submit a proposal, as specified in the Data Sheet, for consulting services required for the assignment named in the Data Sheet.

1.2. The Consultants should familiarize themselves with the local conditions and take them into account in preparing their Proposals, including attending a pre-proposal conference if one is specified in the Data Sheet. Attending any such pre-proposal conference is optional and is at the Consultants' expense.

1.3. The Procuring Agency will timely provide, at no cost to the Consultants, the inputs, relevant project data, and reports required for the preparation of the Consultant's Proposal as specified in the Data Sheet.

2. Corrupt and Fraudulent Practices

2.1. The procuring agencies and the consultant are required to compliance Procurement Regulatory Framework in regard to corrupt and fraudulent practices as defined under Rule 2(1)(f) of the Public Procurement Rules.

B. Preparation of Proposals

3. General Considerations

3.1. In preparing the Proposal, the Consultant is expected to examine the RFP in detail. Material deficiencies in providing the information requested in the RFP may result in rejection of the Proposal.

4. Language

5. The Proposal, as well as all correspondence and documents relating to the Proposal exchanged between the Consultant and the Procuring Agency, shall

be written in the language(s) specified in the Data Sheet.

Documents Comprising the Proposal

5.1. The Proposal shall comprise the documents and forms listed in the Data Sheet.

6. Only One Proposal

6.1. The Consultant (including the individual members of any Joint Venture) shall submit only one Proposal, either in its own name or as part of a Joint Venture in another Proposal. If a Consultant, including any Joint Venture member, submits or participates in more than one proposal, all such proposals shall be disqualified and rejected. This does not, however, preclude a Sub-consultant, or the Consultant's staff from participating as Key Experts and Non-Key Experts in more than one Proposal when circumstances justify and if stated in the **Data Sheet** and subject to regulatory instructions, if any.

7. Proposal Validity

7.1. Proposals shall remain valid for the period specified in the Data Sheet after the Proposal submission deadline prescribed by the Procuring Agency (PA). To ensure the validity of proposal, it shall contain bid security or bid Securing declaration as a complementary bid securing instrument having the validity twenty-eight days more than the bid validity period.

7.2. During this period, the Consultant shall maintain its original Proposal without any change, including the availability of the Key Experts, the proposed rates and the total price.

7.3. If it is established that any Key Expert nominated in the Consultant's Proposal was not available at the time of Proposal submission or was included in the Proposal without his/her confirmation, such Proposal shall be disqualified and rejected for further evaluation, and may be subject to blacklisting and debarment in accordance with Clause 5 of this ITC.

7.4. Extension of Validity Period

7.4.1. If considered necessary, an extension in the bid validity can be made in accordance with the provision of public procurement rules, 2004 or any instructions issued in this regard.

8. Bid security/Bid Securing Declaration

8.1. The consultant shall submit bid security in the form and amount specified by the procuring agency before the submission deadline. Provided that in case where the procuring agency does not require the bid security, the bidder shall submit bid securing declaration on the format prescribed by the Authority in Standard Procurement Documents.

8.2. Any Proposal not accompanied by a Bid Security or Bid Securing Declaration shall be rejected by the Procuring Agency as non-responsive.

8.3. The Bid Securing Declaration of a joint venture must be in the name of the joint venture submitting the Proposal indicating all the members are jointly and severally responsible.

8.4. The successful Consultant's Bid Securing Declaration will be discharged upon the signing the contract with the Successful Consultant, and furnishing the performance security

9. Clarification and Amendment of RFP

9.1. The Consultant may request a clarification of any part of the RFP during the period indicated in the Data Sheet before three days prior to the Proposals' submission deadline through **EPADS v2.0** only. The Procuring Agency will respond to the same through **EPADS v2.0**. Should the Procuring Agency deem it necessary to amend the RFP as a result of a clarification or at its own initiative, it shall do so following the procedure described below:

9.1.1. At any time before the proposal submission deadline, the Procuring Agency may amend the RFP by issuing an amendment through **EPADS v2.0**.

9.1.2. If the amendment is substantial, the Procuring Agency may extend the proposal submission deadline to give the Consultants reasonable time to take an amendment into account in their Proposals.

9.2. The Consultant who has already submitted the proposal prior to any amendments in the RFP, may submit a modified Proposal based on the respective amendment in the RFP at any time prior to the proposal submission deadline. No modifications to the Technical or Financial Proposal shall be accepted after the deadline.

10. Preparation of Proposals - Specific Considerations

10.1. While preparing the Proposal, the Consultant must give particular attention to the following:

10.1.1. The Procuring Agency may indicate in the Data Sheet the estimated Key Experts' time input (expressed in person-month) or the Procuring Agency's estimated total cost of the assignment, but not both. This estimate is indicative and the Proposal shall be based on the Consultant's own estimates for the same.

10.1.2. If stated in the Data Sheet, the Consultant shall include in its Proposal at least the same time input (in the same unit as indicated in the Data Sheet) of Key Experts, failing which the Financial Proposal will be adjusted for the purpose of comparison of proposals and decision for award in accordance with the procedure in the Data Sheet.

10.1.3. For assignments under the Fixed-Budget selection method, the estimated Key Experts' time input is not disclosed. Total available budget, with an indication whether it is inclusive or exclusive of taxes, is given in the Data Sheet, and the Financial Proposal shall not exceed this budget.

10.1.4. The proposal may be subject to price adjustment in accordance with Data sheet and formula specified.

11. Financial Proposal

11.1. The Financial Proposal shall be prepared using the Standard Forms provided in the RFP. It shall list all costs associated with the assignment, including (a) remuneration for Key Experts and Non-Key Experts, (b) reimbursable expenses indicated in the Data Sheet.

12. Taxes

12.1. The proposal submitted shall be inclusive of all the taxes unless otherwise stated in the Data Sheet. The Consultant and its Sub-consultants and Experts are responsible for meeting all tax liabilities arising out of the Contract unless stated otherwise in the Data Sheet. Information on taxes in the Procuring Agency's country is provided in the Data Sheet.

13. Currency of Proposal

13.1. The Consultant may express the price for its Services in the currency or currencies as stated in the Data Sheet. If indicated in the Data Sheet, the portion of the price representing local cost shall be stated in the national currency. Payment shall also be made in the currency specified in the data sheet or condition of the contract.

C. Submission, Opening and Evaluation

14. Submission/withdrawal of Proposals

14.1. The Consultant shall submit proposal through **EPADS v2.0** before the submission deadline.

14.2. A Proposal submitted by a Joint Venture shall be submitted through **EPADS v2.0** from the account of Lead Member. Reference to the EPADS account of all the JV Member shall be provided along with the proposal. Incase any of Member is not registered on the **EPADS v2.0**, may be registered on the **EPADS v2.0** or all his credential shall be provided along with the proposal for the evaluation of the procuring agency. JV agreement signed by all the members shall also be provided along with the proposal.

14.3. A Consultant may withdraw its Proposal after it has been submitted before the submission deadline.

15. Opening of Proposal

15.1. The Procuring Agency will open all Proposal through **EPADS v2.0**.

15.2. Financial Proposal, will remain unopened till the prescribed financial Proposal opening date.

16. Evaluation of Technical Proposals

16.1. The Procuring Agency's evaluation committee shall evaluate the Technical Proposals on the basis of their responsiveness to the Terms of Reference and the RFP, applying the evaluation criteria, sub-criteria, and point system specified in the Data Sheet. Each responsive Proposal will be given a technical score. A Proposal shall be rejected at this stage if it does not respond to important aspects of the RFP or if it fails to achieve the minimum technical score indicated in the Data Sheet.

17. Opening of Financial Proposals

17.1. After the technical evaluation is completed, the Procuring Agency shall issue the Technical Evaluation Report containing all the information regarding responsiveness or non-responsiveness of the consultant along with the technical scores (if any). The Procuring shall notify those Consultants that have achieved the minimum overall technical score and inform them of the date and time for the opening of the Financial Proposals.

17.2. The Financial Proposals shall be opened and evaluated through **EPADS v2.0**.

18. Correction of Errors

18.1. Activities and items described in the Technical Proposal but not priced in the Financial Proposal, shall be assumed to be included in the prices of other activities or items, and no corrections are made to the Financial Proposal.

18.2. The Procuring Agency's evaluation committee will

(a) correct any computational or arithmetical errors, and

(b) adjust the prices if they fail to reflect all inputs included for the respective activities or items in the Technical Proposal. In case of discrepancy between (i) a partial amount (sub-total) and the total amount, or (ii) between the amount derived by multiplication of unit price with quantity and the total price, or (iii) between words and figures, the former will prevail. In case of discrepancy between the Technical and Financial Proposals in indicating quantities of input, the Technical Proposal prevails and the Procuring Agency's evaluation committee shall correct the quantification indicated in the Financial Proposal so as to make it consistent with that indicated in the Technical Proposal, apply the relevant unit price included in the Financial Proposal to the corrected quantity, and correct the total Proposal cost.

19. Conversion to Single Currency

19.1. For the evaluation purposes, prices shall be converted to a single currency using the selling rates of exchange, source and date indicated in the Data Sheet.

20. Selection Technique

20.1. Quality and Cost Based Selection

In the case of QCBS, the total score is calculated by weighting the technical and financial scores and adding them as per the formula and instructions in the Data Sheet. The Consultant achieving the highest combined technical and financial score will be invited for negotiations.

20.2. Fixed-Budget Selection (FBS)

20.2.1. In the case of FBS, those Proposals that exceed the budget indicated in the Data Sheet shall be rejected.

20.2.2. The Procuring Agency will select the Consultant that submitted the highest-ranked Technical Proposal that does not exceed the budget indicated in the RFP, and invite such Consultant to negotiate the Contract.

20.3. Least-Cost Selection.

In the case of Least-Cost Selection (LCS), the Procuring Agency will select the Consultant with the lowest evaluated total price among those consultants that achieved the minimum technical score, and invite such Consultant for discussion on technical issues, without changing the cost and scope of services.

D. Negotiations and Award

21. Negotiations

21.1. The negotiations will be held at the date and address indicated in the Data Sheet with the Consultant's representative(s) who must have written power of attorney to negotiate and sign a Contract on behalf of the Consultant.

21.2. The negotiations include discussions of the Terms of Reference (TORs), the proposed methodology, the Procuring Agency's inputs, the special conditions of the Contract, and finalizing the "Description of Services" part of the Contract. These discussions shall not alter the original scope of services under the TORs or the terms of the contract, lest the quality of the final product, its price, or the relevance of the initial evaluation be affected.

22. Availability of Key Experts

22.1. The invited Consultant shall confirm the availability of all Key Experts included in the Proposal as a pre-requisite to the negotiations, or, if applicable, a replacement in accordance with Clauses of ITC. Failure to confirm the Key Experts' availability may result in the rejection of the Consultant's Proposal and the Procuring Agency proceeding to negotiate the Contract with the next-ranked Consultant.

22.2. Notwithstanding the above, the substitution of Key Experts at the negotiations may be considered if due solely to circumstances outside the reasonable control of and not foreseeable by the Consultant, including but not limited to death or medical incapacity. In such case, the Consultant shall offer a substitute Key Expert within the period of time specified in the letter

of invitation to negotiate the Contract, who shall have equivalent or better qualifications and experience than the original candidate.

23. Award of Contract

23.1. The Procuring Agency will award the Contract to the Consultant whose Proposal has been determined to be substantially responsive to the RFP Documents and who has been declared as Successful Consultant, provided that the same is not in conflict with any other law or policy of the Federal Government

24. Grievance Redressal Mechanism

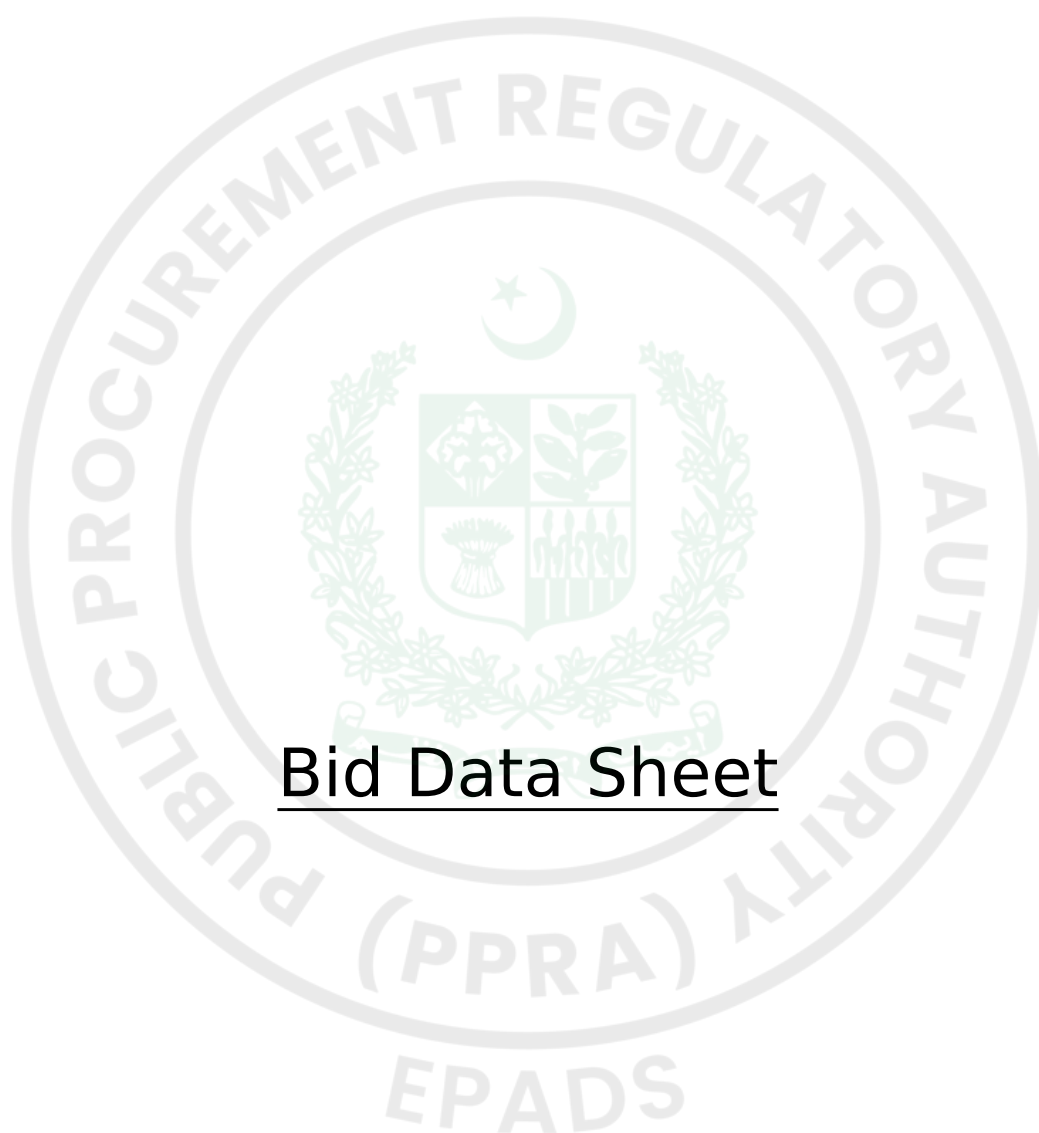
24.1. Grievance shall be redressed in accordance with procedure and mechanism defined under Rule 48 of the Public Procurement Rules, 2004 and Redressal of Grievance regulations.

25. Mechanism of Blacklisting

25.1. The Blacklisting shall be carried out in accordance with provision of Rule 19 of the Public Procurement Rules, 2004 and for Procedure of Filing and Disposal of Review Petition under Rule 19 (3), 2021, to be read with the Regulations on "Mechanism for Blacklisting and Debarment of Bidders or Contractors Regulations, 2024".

26. Environmental objectives

26.1. As per Rule 4 of Public Procurement Rules, 2004, The procuring agency may seek to procure services with a reduced environmental impact throughout their life cycle when compared to services with the same primary function that may otherwise be procured



Bid Data Sheet

Proposal Data Sheet (BDS)

The following specific data for the procurement of Consultancy Services to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

BDS Clause Number

ITB Number

Amendments of, and Supplements to, Clauses in the Instruction to Bidders

A. General

1

1.1

Name of Procuring Agency: **Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL))**

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

Financial year for the operations of the Procuring Agency: **2026-27**

Name and identification number of the Contract: **P139176**

BDS Clause Number 2

ITB Number 1.2 & 9.1

The Bidders may seek clarifications through **EPADS v2.0**: Clarification Date:

B. Preparation of Proposals

BDS Clause Number 3

ITB Number 4.1

The language of the proposals is: **English**

BDS Clause Number 4

ITB Number 6.1

Participation of Sub-consultants, Key Experts and Non-Key Experts in more than one Proposal is permissible? **No**

BDS Clause Number 6

ITB Number 7.1

Proposals shall be valid until **180 Days**

BDS Clause Number 7

ITB Number 9.1

List of documents required along with the bid:

1. The interested firm shall be registered on EPADS V 2.0/ PPRA - EPMS and can download the tender document from EPADS V 2.0 print/sign it and also send hard copy on following address along with other required documents.
2. 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,
3. a) Company/firm profile, including details of the corporate structure, place of registration and a detailed description of areas of business.
4. b) Total number of employees on company's/firm's permanent payroll.
5. c) Details of company-owned relevant equipment and duly licensed software.
6. d) Copies of company's/firm's audited financial statements or management accounts for the last two (2) years.
7. e) Address of the company's/firm's office from which this tender shall administered.
8. f) Name, designation, and contact number of the company/firm official who will be the focal person with this tender.

9. g) Copies of valid ISO, PEC, or other related/valid certifications, where applicable.
10. 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.
11. 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.
12. j) 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.
13. k) Documented procedures demonstrating that company/firm personnel are free from commercial, financial, or other pressures that could affect their professional judgment.
14. l) 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.
15. m) 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.
16. n) 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.
17. o) The company/firm shall have a quality manual meeting the requirements of ISO/ASME/NACE (AMPP)/API and other related standards.
18. p) 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.

19. q) 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

20. r) The company/firm shall ensure that relevant personnel are trained by competent external organizations like AMPP.

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

22. t) 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.

23. u) If a Company Participating in as a J.V, a copy of the joint venture agreement executed between the partners shall be submitted along with the bid.

24. • Bank's Certificates

25. • Annual Financial Statement (s) for the last two (2) years.

26. • Tax clearance / Deposit Certificates

27. • NTN Certificate

28. • Last Financial/Management accounts Report of last two (2) years

29. • Professional Tax Certificate

30. • Collaboration with other Companies & Regions

31. • Collaboration with Local Firms

32. • List of Organizations with whom you are already enlisted in Pakistan

33. • 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)

34. • Supporting documents as required for enclosed forms 1-3 of technical qualification.

35. In the case of an international firm, a formal request letter for payment in USD (US Dollars) must be submitted along with the tender document so that payment can be arranged in the aforementioned currency.

BDS Clause Number 8

ITB Number 10.2

The Consultant's Proposal must include the minimum Key Experts' time-input of _____person-months.

For the evaluation and comparison of Proposals only: if a Proposal includes less than the required minimum time-input, the missing time-input (expressed in person-month) is calculated as follows:

The missing time-input is multiplied by the highest remuneration rate for a Key Expert in the Consultant's Proposal and added to the total remuneration amount. Proposals that quoted higher than the required minimum of time-input will not be adjusted.]

BDS Clause Number 9

ITB Number 105

The price shall be **Fixed**.

Price schedule will be provided according to the format defined and acquired. see section price schedule.

BDS Clause Number 10

ITB Number 11.1

The qualification criteria to establish the supply / production capability of the bidder.

see Eligibility Criteria

BDS Clause Number 11

ITB Number 7.6

Services and Their related documents:

See section Required Services and ToR

C. Submission, Opening and Evaluation

BDS Clause Number 12

ITB Number 8.1 & 8.2

The amount of Bid Security shall be as defined in Bid Security Section for items and lots given in **BDS 6**

The Bid Security shall be in the form of:

BDS Clause Number 13

ITB Number 13.1

Currency of the Bids shall be : **PKR**

BDS Clause Number 14

ITB Number 14.1

Proposal shall be submitted online on EPADS v2.0 whereas hard copy of the bid security should be submitted to the following;

Ground Floor, LDA Plaza, 7-Egerton Road, Lahore City, Lahore (District), Lahore Division (Division), Punjab (Province).

Bids that are not submitted on EPADS v2.0 shall be disqualified.

The deadline for Bids submission is: **Wednesday, November 4, 2026 11:00 AM**

BDS Clause Number 15

ITB Number 15.1

The Bids opening shall take place on **EPADS v2.0**.

Day : **Wednesday**

Date: **Wednesday, November 4, 2026**

Time : **11:30 AM**

BDS Clause Number 16

ITB Number 20

Selection technique adopted will be: **Quality Based Selection (QBS)**
see Evaluation Criteria

F. Negotiation and Award

BDS Clause Number 18

ITB Number 21.5

The Performance guarantee shall: **10.00%**.

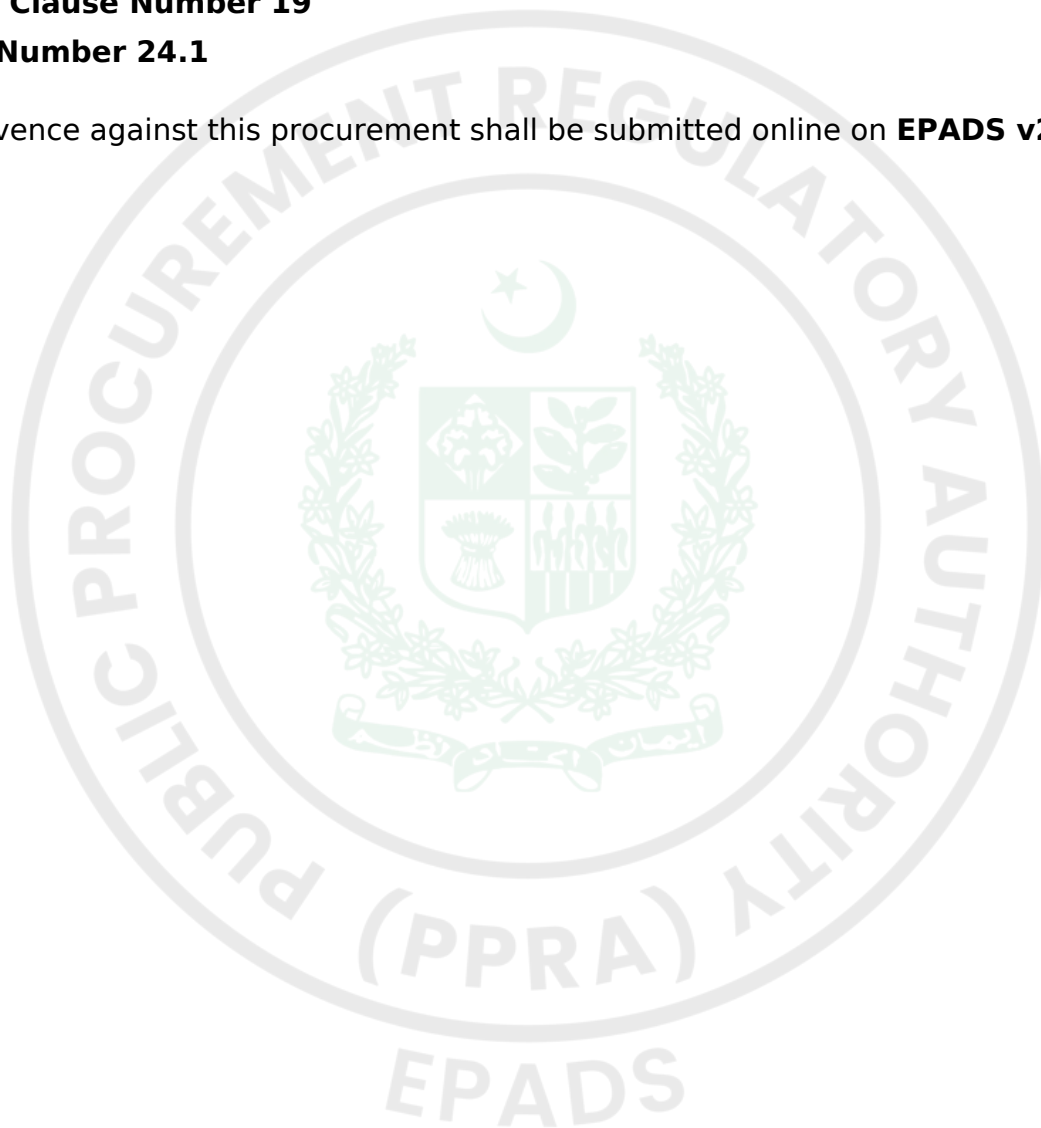
The Performance Guarantee shall be acceptable in the form of: **Pay Order, Bank Guarantee, Demand Draft**

G. Review of Procurement Decisions

BDS Clause Number 19

ITB Number 24.1

Grievance against this procurement shall be submitted online on **EPADS v2.0**.



Eligibility Criteria

Bidder's Type	Required Registration
Sole Proprietorship	FBR (NTN)
Partnership Firm	FBR (GSTN)
Company (Private Limited)	Punjab (PRA)
Company (Public Limited)	SECP
Company (Holding Company)	PEC
Company (Limited by Guarantee)	KPK (KPRA)
State Owned Enterprise (Private Limited)	
State Owned Enterprise (Public Limited)	

Evaluation Criteria

Quality Based Selection (QBS)

Weightage (Without Financial Criteria)

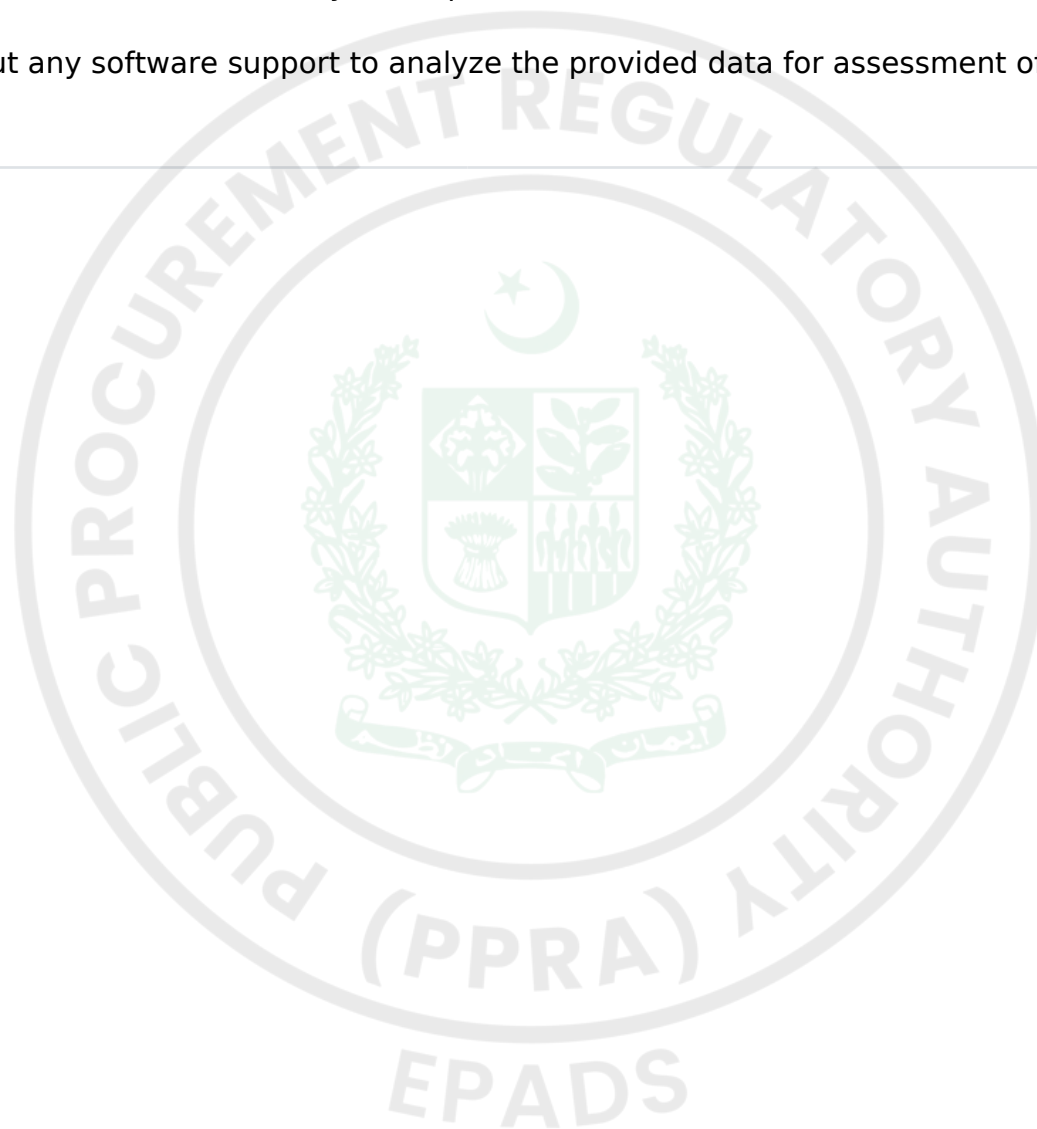
Technical Evaluation %	
100	

Technical Marks	100
Passing Marks	65
Area of Operation / Presence	
Area of Operation / Presence (Quantitative)(Doc Required)	4
Registered Offices 02 and above (4)	
Registered offices 01 (3)	
Average Annual Turnover (Quantitative)(Doc Required)	6
Up to Rs. 50 Million (6)	
Up to Rs. 25 Million (5)	
Over Rs. 10 Million (3)	

Date of Establishment (Quantitative)(Doc Required) Greater than 5 years (5) 2-5 years (4)	5
Registration with PEC (for local firms) Mandatory Requirement (Quantitative)(Doc Required)	5
EXPERIENCE IN INSPECTIONS/ ASSESSMENTS OF OIL & GAS RELATED TASKS	
Experience in the field of pipeline & pipeline integrity assessment projects in oil & gas sector (Quantitative)(Doc Required) Over 07 years (10) 03-07 Years (5)	10
Experience in Field of DC Interference & Its Mitigation (Quantitative)(Doc Required) Over 07 Years (15) 03-07 years (10)	15
Number of such / similar integrity assessment projects including DC Interference assessments successfully completed in oil & gas sector (Quantitative)(Doc Required) Over 05 (10) 02-05 (5)	10

Client Reference (Qualitative)(Doc Required)	5
Multinationals/ Public Sectors (5)	
Private limited (3)	
TECHNICAL HANDS/HUMAN RESOURCES	
Qualified Engineers: Experience in the field of DC Interference assessment and its mitigation (Quantitative)(Doc Required)	15
06-09 (15)	
03-05 (10)	
Certified Inspectors (Quantitative)(Doc Required)	15
CP Level 04 (02 or more) (15)	
CP Level 04 (01 No) (10)	
ACCREDITATIONS, ASSESSMENT FACILITIES AND OTHER REQUIREMENTS	
Certification of Internal Management System ISO 9001 or Equivalent (Qualitative)(Doc Required)	2
Detail of in-house assessment facilities and set-up (Qualitative)(Doc Required)	3
Own Facility (3)	
Contracted Facilities: In case of contracted facilities, give detail along with documentary evidence (2)	

Applicable modeling assessment of DC Interference (Qualitative)(Doc Required)	5
Applicable modeling with proven software to analyze the provided data for assessment of DC Interference (5)	
Applicable modeling without any software support to analyze the provided data for assessment of DC Interference (3)	



Required Services

Positions Without Lots :

Position	Delivery Schedule	Quantity	Bid Security
HIRING OF FIRM FOR DATA VALIDATION, MODELING AND DESIGNING OF MITIGATION STRATEGY AGAINST HVDC INTERFERENCE WITH SNGPL'S TRANSMISSION & DISTRIBUTION PIPELINES	Address: Ground Floor, LDA Plaza, 7-Egerton Road, Lahore City, Lahore (District), Lahore Division (Division), Punjab (Province). Schedule: 60 Days Quantity: 01/job Quantity: 01 job	1/job	0 PKR

Related Services :

No



TORS (Terms of References)

Positions Without Lots :

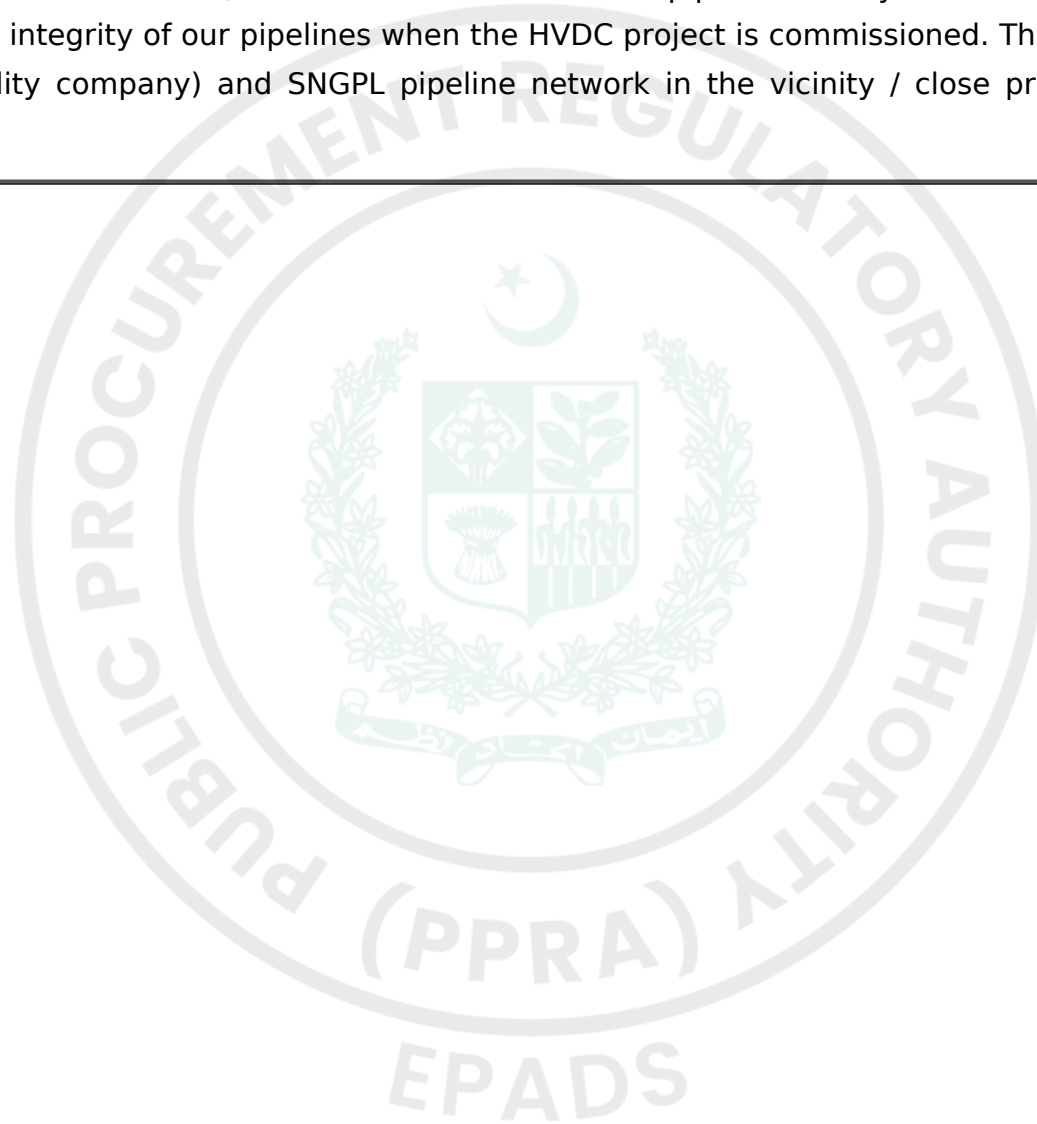
Position: HIRING OF FIRM FOR DATA VALIDATION, MODELING AND DESIGNING OF MITIGATION STRATEGY AGAINST HVDC INTERFERENCE WITH SNGPL'S TRANSMISSION & DISTRIBUTION PIPELINES

TORs (Terms of Reference):

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 oF. 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.



Price Schedule

For Individual Positions

#	Position Title	Quantity	Unit Price (PKR)	Total Price (PKR)	Delivery Location	Delivery Period / Year	Country of Origin
1							
2							

For Lots

#	Lot Title	Total Lot Price (PKR)	Country of Origin
1	[Lot 1 Title]		





General Conditions of Contract

A. General Provisions

1. Definitions

Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:

- 1.1. **"Affiliate(s)"** means an individual or an entity that directly or indirectly controls, is controlled by, or is under common control with the Consultant.
- 1.2. **"Applicable Law"** means the laws and any other instruments having the force of law in Pakistan or as may be specified in the Special Conditions of Contract (SCC), as they may be issued and in force from time to time.
- 1.3. **"Consultant"** means an individual consultant or a consulting firm as the case may be;
- 1.4. **"Contractor's Personnel"** means personnel whom the Contractor utilizes in the execution of its contract, including the staff, labor and other employees of the Contractor and each subcontractor; and any other personnel assisting the Contractor in the execution of the contract to be supervised by the Consultant (if applicable).
- 1.5. **"Day"** means calendar day unless indicated otherwise.
- 1.6. **"Effective Date"** means the date on which this Contract comes into force and effect pursuant to Clause GCC 11.
- 1.7. **"Experts"** means, collectively, Key Experts, Non-Key Experts, or any other personnel of the Consultant, Sub-consultant or JV member(s) assigned by the Consultant to perform the Services or any part thereof under the Contract.
- 1.8. **"Foreign Currency"** means any currency other than the Pakistani Rupees.
- 1.9. **"GCC"** means these General Conditions of Contract.
- 1.10. **"Government"** means the Government of Pakistan.
- 1.11. **"Joint Venture (JV)"** means an association with or without a legal personality distinct from that of its members, of more than one entity where one member has the authority to conduct all businesses for and on behalf of any and all the members of the JV, and where the members of the JV are jointly and severally liable to the Procuring Agency for the performance of the Contract.
- 1.12. **"Key Expert(s)"** means an individual professional whose skills, qualifications, knowledge and experience are critical to the performance of the Services under the Contract and whose Curricula Vitae (CV) was taken into account in the technical evaluation of the Consultant's proposal.
- 1.13. **"Local Currency"** means the currency of Pakistan
- 1.14. **"Non-Key Expert(s)"** means an individual professional provided by the Consultant or its Sub-consultant to perform the Services or any part thereof under the Contract.
- 1.15. **"Party"** means the Procuring Agency or the Consultant, as the case may be, and "Parties" means both of them.

1.16. "Procuring Agency's Personnel" refers to the staff, labor and other employees (if any) of the Procuring Agency engaged in fulfilling the Procuring Agency's obligations under the Contract; and any other personnel identified as Procuring Agency's Personnel, by a notice from the Procuring Agency to the Consultant

1.17. "**Proposal**" means the Technical Proposal and/or the Financial Proposal of the Consultant.

1.18. "**RFP**" means the Request for Proposals to be prepared by the Procuring Agency for the selection of consultants, based on the SRFP.

1.19. "**SCC**" means the Special Conditions of Contract by which the GCC may be amended or supplemented but not over-written.

1.20. "**Site**" (if applicable) means the land and other places where Works are to be executed or facilities to be installed, and such other land or places as may be specified in the Contractor's Contract as forming part of the Site.

1.21. "**SRFP**" means the Standard Request for Proposals, which must be used by the Procuring Agency as the basis for the preparation of the RFP.

1.22. "**Sub-consultants**" means an entity to whom/which the Consultant subcontracts any part of the Services while remaining solely liable for the execution of the Contract.

1.23. "**Third Party**" means any person or entity other than the Government, the Procuring Agency, the Consultant or a Sub-consultant.

1.24. "**TORs**" means the Terms of Reference that explain the objectives, scope of work, activities, and tasks to be performed, respective responsibilities of the Procuring Agency and the Consultant, and expected results and deliverables of the assignment.

2. Relationship between the Parties

2.1. Nothing contained herein shall be construed as establishing a relationship of master and servant or of principal and agent as between the Procuring Agency and the Consultant. The Consultant, subject to this Contract, has complete charge of the Experts and Sub-consultants, if any, performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder.

3. Law Governing Contract

3.1. The contract shall be governed and interpreted in accordance with the laws of Pakistan, unless otherwise specified in SCC.

4. Language

4.1. The Contract as well as all correspondence and documents relating to the Contract exchanged between the Consultant and the Procuring Agency, shall be written in the English language unless otherwise stated in the SCC. Supporting documents and printed literature that are part of the Contract may be in another language provided these are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5. Headings

5.1. The headings shall not limit, alter or affect the meaning of this Contract.

6. Communications

6.1. Any communication required or permitted to be given or made pursuant to this Contract shall be in writing in the language specified in Clause GCC 4. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to whom the communication is addressed, or when sent to such Party at the address specified in the SCC.

6.2. A Party may change its address for notice hereunder by giving the other Party any communication of such change to the address specified in the SCC.

7. Location

7.1. The Services shall be performed at such locations as are specified in Appendix A hereto and, where the location of a particular task is not so specified, at such locations, whether in the Government's country or elsewhere, as the Procuring Agency may approve.

8. Authority of Member in Charge

8.1. In case the Consultant is a Joint Venture, the members hereby authorize the member specified in the SCC to act on their behalf in exercising all the Consultant's rights and obligations towards the Procuring Agency under this Contract, including without limitation the receiving of instructions and payments from the Procuring Agency.

9. Authorized Representatives

9.1. Any action required or permitted to be taken, and any document required or permitted to be executed under this Contract by the Procuring Agency or the Consultant may be taken or executed by the officials specified in the SCC.

10. Fraud and Corruption

10.1. Public Procurement Regulatory Authority requires that Procuring Agencies (including beneficiaries of Government funded projects) as well as Applicants/Bidders/Suppliers/Contractors under Government financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts in accordance with the requirement of Procurement Regulatory Framework

B. Commencement, Completion, Modification and Termination of Contract

11. Effectiveness of Contract

11.1. This Contract shall come into force and effect on the date (the "Effective Date") of the Procuring Agency's notice to the Consultant instructing the Consultant to begin carrying out the Services. This notice shall confirm that the effectiveness conditions, if any, listed in the SCC have been met.

12. Termination of Contract for Failure to Become Effective

12.1. If this Contract has not become effective within such time period after the date of Contract signature as specified in the SCC, either Party may, by not less than twenty two (22) days written notice to the other Party, declare this Contract to be null and void, and in the event of such a declaration by either Party, neither Party shall have any claim against the other Party with respect hereto.

13. Commencement of Services

13.1. The Consultant shall confirm availability of Key Experts and begin carrying out the Services not later than the number of days after the Effective Date specified in the SCC.

14. Expiration of Contract

14.1. Unless terminated earlier pursuant to Clause GCC 19 hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SCC.

15. Entire Agreement

15.1. This Contract contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make, and the Parties shall not be bound by or be liable for, any statement, representation, promise or agreement not set forth herein.

16. Modifications or Variations

16.1. Any modification or variation of the terms and conditions of this Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any proposals for modification or variation made by the other Party.

16.2. In cases of any modifications or variations, the prior written consent of the Procuring Agency is required.

17. Force Majeure

17.1. Definition

17.1.1. For the purposes of this Contract, “Force Majeure” means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and makes a Party’s performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible under the circumstances, and subject to those requirements, includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action confiscation or any other action by Government agencies.

17.1.2. Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a Party or such Party’s Experts, Sub-consultants or agents or employees, nor (ii) any event which a diligent Party could reasonably have been expected to both take into account at the time of the conclusion of this Contract, and avoid or overcome in the carrying out of its obligations hereunder.

17.1.3. Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder.

17.2. No Breach of Contract

17.2.1. The failure of a Party to fulfill any of its obligations hereunder shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this Contract.

17.3. Measures to be Taken

17.3.1. A Party affected by an event of Force Majeure shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall take all reasonable measures to minimize the consequences of any event of Force Majeure.

17.3.2. A Party affected by an event of Force Majeure shall notify the other Party of such event as soon as possible, and in any case not later than fourteen (14) calendar days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give written notice of the restoration of normal conditions as soon as possible.

17.3.3. Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

17.3.4. During the period of their inability to perform the Services as a result of an event of Force Majeure, the Consultant, upon instructions by the Procuring Agency, shall either:

17.3.4.1. demobilize, in which case the Consultant shall be reimbursed for additional costs they reasonably and necessarily incurred, and, if required by the Procuring Agency, in reactivating the Services; or

17.3.4.2. continue with the Services to the extent reasonably possible, in which case the Consultant shall continue to be paid under the terms of this Contract and be reimbursed for additional costs reasonably and necessarily incurred.

17.3.5. In the case of disagreement between the Parties as to the existence or extent of Force Majeure, the matter shall be settled according to Clauses GCC 49& 50.

18. Suspension

18.1. The Procuring Agency may, by written notice of suspension to the Consultant, suspend all payments to the Consultant hereunder if the Consultant fails to perform any of its obligations under this Contract, including the carrying out of the Services, provided that such notice of suspension (i) shall specify the nature of the failure, and (ii) shall request the Consultant to remedy such failure within a period not exceeding thirty (30) calendar days after receipt by the Consultant of such notice of suspension.

19. Termination

19.1. This Contract may be terminated by either Party as per provisions set up below:

a) By the Procuring Agency

19.1.1. The Procuring Agency may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (f) of this Clause. In such an occurrence the Procuring Agency shall give at least thirty (30) days' written notice of termination to the Consultant in case of the events referred to in (a) through (d); at least sixty (60) days' written notice in case of the event referred to in (e); and at least five (5) days' written notice in case of the event referred to in (f):

- (a) If the Consultant fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension pursuant to Clause GCC 18;
- (b) If the Consultant becomes (or, if the Consultant consists of more than one entity, if any of its members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary;
- (c) If the Consultant fails to comply with any final decision reached as a result of arbitration proceedings pursuant to Clause GCC 49
- (d) If, as the result of Force Majeure, the Consultant is unable to perform a material portion of the Services for a period of not less than sixty (60) days;
- (e) If the Procuring Agency, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;
- (f) If the Consultant fails to confirm availability of Key Experts as required in Clause GCC 13.

19.1.2. if the Consultant, in the judgment of the Procuring Agency has engaged in Fraud and Corruption, in competing for or in executing the Contract, then the Procuring Agency may, after giving fourteen (14) calendar days written notice to the Consultant, terminate the Consultant's employment under the Contract.

19.2. By the Consultant

The Consultant may terminate this Contract, by not less than thirty (30) days' written notice to the Procuring Agency, in case of the occurrence of any of the events specified in paragraphs (a) through (d) of this Clause.

- (a) If the Procuring Agency fails to pay any money due to the Consultant pursuant to this Contract and not subject to dispute pursuant to Clauses GCC 49.1 within forty-five (45) days after receiving written notice from the Consultant that such payment is overdue.
- (b) If, as the result of Force Majeure, the Consultant is unable to perform a material portion of the Services for a period of not less than sixty (60) days.
- (c) If the Procuring Agency fails to comply with any final decision reached as a result of arbitration pursuant to Clause GCC 49.1.
- (d) If the Procuring Agency is in material breach of its obligations pursuant to this Contract and has not remedied the same within forty-five (45) days (or such longer period as the Consultant may have subsequently approved in writing) following the receipt by the Procuring Agency of the Consultant's notice specifying such breach.

19.3. Cessation of Rights and Obligations

Upon termination of this Contract pursuant to Clauses GCC 12 or GCC 19 hereof, or upon expiration of this Contract pursuant to Clause GCC 14, all rights and obligations of the Parties hereunder shall cease, except

- (i) such rights and obligations as may have accrued on the date of termination or expiration,
- (ii) the obligation of confidentiality set forth in Clause GCC 22,

(iii) the Consultant's obligation to permit inspection, copying and auditing of their accounts and records set forth in Clause GCC 25 and to cooperate and assist in any inspection or investigation, and (iv) any right which a Party may have under the Applicable Law.

19.4. Cessation of Services

19.4.1. Upon termination of this Contract by notice of either Party to the other pursuant to Clauses GCC 19a or GCC 19b, the Consultant shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum. With respect to documents prepared by the Consultant and equipment and materials furnished by the Procuring Agency, the Consultant shall proceed as provided, respectively, by Clauses GCC 27 or GCC 28.

19.5. e.Payment upon Termination

Upon termination of this Contract, the Procuring Agency shall make the following payments to the Consultant:

- (a) remuneration for Services satisfactorily performed prior to the effective date of termination, and reimbursable expenditures for expenditures actually incurred prior to the effective date of termination; and pursuant to Clause 43;
- (b) in the case of termination pursuant to paragraphs (d) and (e) of Clause GCC 19.1.1, reimbursement of any reasonable cost incidental to the prompt and orderly termination of this Contract, including the cost of the return travel of the Experts.

C. Obligations of the Consultant

20. General

20.1. Standard of Performance

20.1.1. The Consultant shall perform the Services and carry out the Services with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Consultant shall always act, in respect of any matter relating to this Contract or to the Services, as a faithful adviser to the Procuring Agency, and shall at all times support and safeguard the Procuring Agency's legitimate interests in any dealings with the third parties.

20.1.2. The Consultant shall employ and provide such qualified and experienced Experts and Sub-consultants as are required to carry out the Services.

20.1.3. The Consultant may subcontract part of the Services to an extent and with such Key Experts and Sub-consultants as may be approved in advance by the Procuring Agency

20.2. Law Applicable to Services

20.2.1. The Consultant shall perform the Services in accordance with the Contract and in accordance with the Law of Pakistan and shall take all practicable steps to ensure that any of its Experts and Sub-consultants, comply with the Applicable Law.

21. Conflict of Interests

21.1. The Consultant shall hold the Procuring Agency's interest's paramount, without any consideration for future work, and strictly avoid conflict with other assignments or their own corporate interests.

21.1.1. Consultant Not to Benefit from Commissions, Discounts, etc.

21.1.1.1. The payment of the Consultant pursuant to GCC F (Clauses GCC 42 through 47) shall constitute the Consultant's only payment in connection with this Contract and, subject to Clause GCC 21.1.3, the Consultant shall not accept for its own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Contract or in the discharge of its obligations hereunder, and the Consultant shall use its best efforts to ensure that any Sub-consultants, as well as the Experts and agents of either of them, similarly shall not receive any such additional payment.

21.1.1.2. Furthermore, if the Consultant, as part of the Services, has the responsibility of advising the Procuring Agency on the procurement of goods, works or services. Any discounts or commissions obtained by the Consultant in the exercise of such procurement responsibility shall be for the account of the Procuring Agency.

21.1.2. Consultant and Affiliates Not to Engage in Certain Activities

21.1.2.1. The Consultant agrees that, during the term of this Contract and after its termination, the Consultant and any entity affiliated with the Consultant, as well as any Sub-consultants and any entity affiliated with such Sub-consultants, shall be disqualified from providing goods, works or non-consulting services resulting from or directly related to the Consultant's Services for the preparation or implementation of the project, unless otherwise indicated in the SCC.

21.1.3. Prohibition of Conflicting Activities

21.1.3.1. The Consultant shall not engage, and shall cause its Experts as well as its Sub-consultants not to engage, either directly or indirectly, in any business or professional activities that would conflict with the activities assigned to them under this Contract.

21.1.4. Strict Duty to Disclose Conflicting Activities

21.1.4.1. The Consultant has an obligation and shall ensure that its Experts and Sub-consultants shall have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve the best interest of their Procuring Agency, or that may reasonably be perceived as having this effect. Failure to disclose said situations may lead to the disqualification of the Consultant or the termination of its Contract.

22. Confidentiality

22.1. Except with the prior written consent of the Procuring Agency, the Consultant and the Experts shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Consultant and the Experts make public the recommendations formulated in the course of, or as a result of, the Services.

23. Liability of the Consultant

23.1. Subject to additional provisions, if any, set forth in the SCC, the Consultant's liability under this Contract shall be as determined under the Applicable Law.

24. Insurance to be Taken out by the Consultant

24.1. The Consultant (i) shall take out and maintain, and shall cause any Sub-consultants to take out and maintain, at its (or the Sub-consultants', as the case may be) own cost but on terms and conditions approved by the Procuring Agency, insurance against the risks, and for the coverage specified in the SCC, and (ii) at the Procuring Agency's request, shall provide evidence to the Procuring Agency showing that such insurance has been taken out and maintained and that the current premiums therefore have been paid. The Consultant shall ensure that such insurance is in place prior to commencing the Services as stated in Clause GCC 13.

25. Accounting, Inspection and Auditing

25.1. The Consultant shall keep, and shall make all reasonable efforts to cause its Sub-consultants to keep, accurate and systematic accounts and records in respect of the Services in such form and detail as will clearly identify relevant time changes and costs.

25.2. Pursuant to paragraph 1.23 (e) of Attachment 1 to the General Conditions, the Consultant shall permit and shall cause its agents (where declared or not), subcontractors, sub-consultants, service providers, suppliers, and personnel, to permit, the procuring agency to inspect the site and/or the accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have such accounts, records and other documents. The Consultant's and its Subcontractors' and sub-consultants' attention is drawn to Sub-Clause 10.1 (Fraud and Corruption) which provides, inter alia, that acts intended to materially impede the exercise of the Procuring Agency's inspection and audit rights constitute a prohibited practice subject to contract termination.

26. Reporting Obligations

26.1. The Consultant shall submit to the Procuring Agency the reports and documents specified in Appendix A, in the form, in the numbers and within the time periods set forth in the said Appendix.

27. Proprietary Rights of the Procuring Agency in Reports and Records

27.1. Unless otherwise indicated in the SCC, all reports and relevant data and information such as maps, diagrams, plans, databases, other documents and software, supporting records or material compiled or prepared by the Consultant for the Procuring Agency in the course of the Services shall be confidential and become and remain the absolute property of the Procuring Agency. The Consultant shall, not later than upon termination or expiration of this Contract, deliver all such documents to the Procuring Agency, together with a detailed inventory thereof. The Consultant may retain a copy of such documents, data and/or software but shall not use the same for purposes unrelated to this Contract without prior written approval of the Procuring Agency.

27.2. If license agreements are necessary or appropriate between the Consultant and third parties for purposes of development of the plans, drawings, specifications, designs, databases, other documents and software, the Consultant shall obtain the Procuring Agency's prior written approval to such agreements, and the Procuring Agency shall be entitled at its discretion to require recovering the expenses related to the development of the program(s) concerned. Other restrictions about the future use of these documents and software, if any, shall be

specified in the SCC.

28. Equipment, Vehicles and Materials

28.1. Equipment, vehicles and materials made available to the Consultant by the Procuring Agency, or purchased by the Consultant wholly or partly with funds provided by the Procuring Agency, shall be the property of the Procuring Agency and shall be marked accordingly. Upon termination or expiration of this Contract, the Consultant shall make available to the Procuring Agency an inventory of such equipment, vehicles and materials and shall dispose of such equipment, vehicles and materials in accordance with the Procuring Agency's instructions. While in possession of such equipment, vehicles and materials, the Consultant, unless otherwise instructed by the Procuring Agency in writing, shall insure them at the expense of the Procuring Agency in an amount equal to their full replacement value.

28.2. Any equipment or materials brought by the Consultant or its Experts into the Procuring Agency's country for the use either for the project or personal use shall remain the property of the Consultant or the Experts concerned, as applicable.

29. Code of Conduct

29.1. The Procuring Agencies and the Consultant are bound to follow the Code of Ethics to be issued by the Authority.

D. Consultant's Experts and Sub-Consultants

30. Description of Key Experts

30.1. The title, agreed job description, minimum qualification and time-input estimates to carry out the Services of each of the Consultant's Key Experts are described in Appendix B.

30.2. If required to comply with the provisions of Clause GCC 20a, adjustments with respect to the estimated time-input of Key Experts set forth in Appendix B may be made by the Consultant by a written notice to the Procuring Agency, provided (i) that such adjustments shall not alter the original time-input estimates for any individual by more than 10% or one week, whichever is larger; and (ii) that the aggregate of such adjustments shall not cause payments under this Contract to exceed the ceilings set forth in Clause GCC 42.2.

30.3. If additional work is required beyond the scope of the Services specified in Appendix A, the estimated time-input for the Key Experts may be increased by agreement in writing between the Procuring Agency and the Consultant. In case where payments under this Contract exceed the ceilings set forth in Clause GCC 42.2, the Parties shall sign a Contract amendment.

31. Replacement of Key Experts

31.1. Except as the Procuring Agency may otherwise agree in writing, no changes shall be made in the Key Experts.

31.2. Notwithstanding the above, the substitution of Key Experts during Contract execution may be considered only based on the Consultant's written request and due to circumstances outside the reasonable control of the

Consultant, including but not limited to death or medical incapacity. In such case, the Consultant shall forthwith provide as a replacement, a person of equivalent or better qualifications and experience, and at the same rate of remuneration.

32. Approval of Additional Key Experts

32.1. If during execution of the Contract, additional Key Experts are required to carry out the Services, the Consultant shall submit to the Procuring Agency for review and approval a copy of their Curricula Vitae (CVs). If the Procuring Agency does not object in writing (stating the reasons for the objection) within twenty two (22) days from the date of receipt of such CVs, such additional Key Experts shall be deemed to have been approved by the Procuring Agency.

The rate of remuneration payable to such new additional Key Experts shall be based on the rates for other Key Experts position which require similar qualifications and experience.

33. Removal of Experts or Sub-consultants

33.1. If the Procuring Agency finds that any of the Experts or Sub-consultant has committed serious misconduct or has been charged with having committed a criminal action, or shall the Procuring Agency determine that a Consultant's Expert or Sub-consultant has engaged in Fraud and Corruption while performing the Services, the Consultant shall, at the Procuring Agency's written request, provide a replacement.

33.2. In the event that any of Key Experts, Non-Key Experts or Sub-consultants is found by the Procuring Agency to be incompetent or incapable in discharging assigned duties, the Procuring Agency, specifying the grounds therefore, may request the Consultant to provide a replacement.

33.3. Any replacement of the removed Experts or Sub-consultants shall possess better qualifications and experience and shall be acceptable to the Procuring Agency.

34. Replacement/ Removal of Experts – Impact on Payments

34.1. Except as the Procuring Agency may otherwise agree, (i) the Consultant shall bear all additional travel and other costs arising out of or incidental to any removal and/or replacement, and (ii) the remuneration to be paid for any of the Experts provided as a replacement shall not exceed the remuneration which would have been payable to the Experts replaced or removed.

35. Working Hours, Overtime, Leave, etc.

35.1. Working hours and holidays for Experts are set forth in Appendix B. To account for travel time to/from the Procuring Agency's country, experts carrying out Services inside the Procuring Agency's country shall be deemed to have commenced or finished work in respect of the Services such number of days before their arrival in, or after their departure from, the Procuring Agency's country as is specified in Appendix B.

35.2. The Experts shall not be entitled to be paid for overtime nor to take paid sick leave or vacation leave except as specified in Appendix B, and the Consultant's remuneration shall be deemed to cover these items.

35.3. Any taking of leave by Key Experts shall be subject to the prior approval by the Consultant who shall ensure that absence for leave purposes will not delay the progress and or impact adequate supervision of the Services.

E. Obligations of the Procuring Agency

36. Assistance and Exemptions

36.1. Unless otherwise specified in the SCC, the Procuring Agency shall use its best efforts to:

36.1.1. Assist the Consultant with obtaining work permits and such other documents as shall be necessary to enable the Consultant to perform the Services.

36.1.2. Facilitate prompt clearance through customs of any property required for the Services and of the personal effects of the Experts and their eligible dependents.

36.1.3. Issue to officials, agents and representatives of the Government all such instructions and information as may be necessary or appropriate for the prompt and effective implementation of the Services.

36.1.4. Assist the Consultant and the Experts and any Sub-consultants employed by the Consultant for the Services with obtaining exemption from any requirement to register or obtain any permit to practice their profession or to establish themselves either individually or as a corporate entity in the Procuring Agency's country according to the applicable law in the Procuring Agency's country.

36.1.5. Assist the Consultant, any Sub-consultants and the Experts of either of them with obtaining the privilege, pursuant to the applicable law in the Procuring Agency's country, of bringing into the Procuring Agency's country reasonable amounts of foreign currency for the purposes of the Services or for the personal use of the Experts and of withdrawing any such amounts as may be earned therein by the Experts in the execution of the Services.

36.1.6. Provide to the Consultant any such other assistance as may be specified in the SCC.

37. Access to Project Site

37.1. The Procuring Agency warrants that the Consultant shall have, free of charge, unimpeded access to the project site in respect of which access is required for the performance of the Services. The Procuring Agency will be responsible for any damage to the project site or any property thereon resulting from such access and will indemnify the Consultant and each of the experts in respect of liability for any such damage, unless such damage is caused by the willful default or negligence of the Consultant or any Sub-consultants or the Experts of either of them.

38. Change in the Applicable Law Related to Taxes and Duties

38.1. If, after the date of this Contract, there is any change in the applicable law in the Procuring Agency's country with respect to taxes and duties which increases or decreases the cost incurred by the Consultant in performing the Services, then the remuneration and reimbursable expenses otherwise payable to the Consultant under this Contract shall be increased or decreased accordingly by agreement between the Parties hereto, and corresponding adjustments shall be made to the ceiling amounts specified in Clause GCC 42.2.

39. Services, Facilities and Property of the Procuring Agency

39.1. The Procuring Agency shall make available to the Consultant and the Experts, for the purposes of the Services and free of any charge, the services, facilities and property described in the Terms of Reference (Appendix A) at the times and in the manner specified in said Appendix A.

39.2. In case that such services, facilities and property shall not be made available to the Consultant as and when specified in Appendix A, the Parties shall agree on (i) any time extension that it may be appropriate to grant to the Consultant for the performance of the Services, (ii) the manner in which the Consultant shall procure any such services, facilities and property from other sources, and (iii) the additional payments, if any, to be made to the Consultant as a result thereof pursuant to Clause GCC 42.3.

40. Counterpart Personnel

40.1. The Procuring Agency shall make available to the Consultant free of charge such professional and support counterpart personnel, to be nominated by the Procuring Agency with the Consultant's advice, if specified in Appendix A.

40.2. If counterpart personnel are not provided by the Procuring Agency to the Consultant as and when specified in Appendix A, the Procuring Agency and the Consultant shall agree on (i) how the affected part of the Services shall be carried out, and (ii) the additional payments, if any, to be made by the Procuring Agency to the Consultant as a result thereof pursuant to Clause GCC 42.3.

40.3. Professional and support counterpart personnel, excluding Procuring Agency's liaison personnel, shall work under the exclusive direction of the Consultant. If any member of the counterpart personnel fails to perform adequately any work assigned to such member by the Consultant that is consistent with the position occupied by such member, the Consultant may request the replacement of such member, and the Procuring Agency shall not unreasonably refuse to act upon such request.

41. Payment Obligation

41.1. In consideration of the Services performed by the Consultant under this Contract, the Procuring Agency shall make such payments to the Consultant and in such manner as is provided by GCC F below.

F. Payments to the Consultant

42. Ceiling Amount

42.1. An estimate of the cost of the Services is set forth in Appendix C (Remuneration) and Appendix D (Reimbursable expenses).

42.2. Payments under this Contract shall not exceed the ceilings in foreign currency and in local currency specified in the SCC.

42.3. For any payments in excess of the ceilings specified in GCC42.2, an amendment to the Contract shall be signed by the Parties referring to the provision of this Contract that evokes such amendment.

43. Remuneration and Reimbursable Expenses

43.1. The Procuring Agency shall pay to the Consultant (i) remuneration that shall be determined on the basis of time actually spent by each Expert in the performance of the Services after the date of commencing of Services or such other date as the Parties shall agree in writing; and (ii) reimbursable expenses that are actually and reasonably incurred by the Consultant in the performance of the Services.

43.2. All payments shall be at the rates set forth in Appendix C and Appendix D.

43.3. Unless the SCC provides for the price adjustment of the remuneration rates, said remuneration shall be fixed for the duration of the Contract.

43.4. The remuneration rates shall cover: (i) such salaries and allowances as the Consultant shall have agreed to pay to the Experts as well as factors for social charges and overheads (bonuses or other means of profit-sharing shall not be allowed as an element of overheads), (ii) the cost of backstopping by home office staff not included in the Experts' list in Appendix B, (iii) the Consultant's profit, and (iv) any other items as specified in the SCC.

43.5. Any rates specified for Experts not yet appointed shall be provisional and shall be subject to revision, with the written approval of the Procuring Agency, once the applicable remuneration rates and allowances are known.

44. Taxes and Duties

44.1. The Consultant, Sub-consultants and Experts are responsible for meeting any and all tax liabilities arising out of the Contract unless it is stated otherwise in the SCC.

44.2. As an exception to the above and as stated in the SCC, all local identifiable indirect taxes (itemized and finalized at Contract negotiations) are reimbursed to the Consultant or are paid by the Procuring Agency on behalf of the Consultant.

45. Currency of Payment

45.1. Any payment under this Contract shall be made in the currency(ies) specified in the SCC.

46. Mode of Billing and Payment

46.1. Billings and payments in respect of the Services shall be made as follows:

(a) Advance payment. Within the number of days after the Effective Date, the Procuring Agency shall pay to the Consultant an advance payment as specified in the SCC. Unless otherwise indicated in the SCC, an advance payment shall be made against an advance payment bank guarantee acceptable to the Procuring Agency in an amount (or amounts) and in a currency (or currencies) specified in the SCC. Such guarantee (i) is to remain effective until the advance payment has been fully set off, and (ii) is to be in the form set forth in Appendix E, or in such other form as the Procuring Agency shall have approved in writing. The advance payments will be set off by the Procuring Agency in equal installments against the statements for the number of months of the Services specified in the SCC until said advance payments have been fully set off.

(b) The Itemized Invoices. As soon as practicable and not later than fifteen (15) days after the end of each calendar month during the period of the Services, or after the end of each time interval otherwise indicated in the SCC, the Consultant shall submit to the Procuring Agency, in duplicate, itemized invoices, accompanied by the receipts or other appropriate supporting documents, of the amounts payable pursuant to Clauses GCC 45 and GCC 46 for such interval, or any other period indicated in the SCC. Separate invoices shall be submitted for expenses incurred in foreign currency and in local currency. Each invoice shall show remuneration and reimbursable

expenses separately.

(c) The Procuring Agency shall pay the Consultant's invoices within sixty (60) days after the receipt by the Procuring Agency of such itemized invoices with supporting documents. Only such portion of an invoice that is not satisfactorily supported may be withheld from payment. Should any discrepancy be found to exist between actual payment and costs authorized to be incurred by the Consultant, the Procuring Agency may add or subtract the difference from any subsequent payments.

(d) The Final Payment .The final payment under this Clause shall be made only after the final report and a final invoice, identified as such, shall have been submitted by the Consultant and approved as satisfactory by the Procuring Agency. The Services shall be deemed completed and finally accepted by the Procuring Agency and the final report and final invoice shall be deemed approved by the Procuring Agency as satisfactory ninety (90) calendar days after receipt of the final report and final invoice by the Procuring Agency unless the Procuring Agency, within such ninety (90) calendar day period, gives written notice to the Consultant specifying in detail deficiencies in the Services, the final report or final invoice. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated. Any amount that the Procuring Agency has paid or has caused to be paid in accordance with this Clause in excess of the amounts payable in accordance with the provisions of this Contract shall be reimbursed by the Consultant to the Procuring Agency within thirty (30) days after receipt by the Consultant of notice thereof. Any such claim by the Procuring Agency for reimbursement must be made within twelve (12) calendar months after receipt by the Procuring Agency of a final report and a final invoice approved by the Procuring Agency in accordance with the above.

(e) All payments under this Contract shall be made to the accounts of the Consultant specified in the SCC.

(f) With the exception of the final payment under (d) above, payments do not constitute acceptance of the Services nor relieve the Consultant of any obligations hereunder.

47. Interest on Delayed Payments

47.1. If the Procuring Agency had delayed payments beyond fifteen (15) days after the due date stated in Clause GCC 46.1 (c), interest shall be paid to the Consultant on any amount due by, not paid on, such due date for each day of delay at the annual rate stated in the SCC.

G. Fairness and Good Faith

48. Good Faith

48.1. The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

H. Settlement of Disputes

49. Amicable Settlement

49.1. Any dispute of any kind whatsoever shall arise between the Procuring Agency and the Service Provider in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the Project –whether during

developing phase or after their completion and whether before or after the termination, abandonment or breach of the Contract – the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve such a dispute or difference even after negotiations or mediation, then the dispute shall be referred within fourteen (14) days in writing by either party to the Arbitrator, with a copy to the other party.

49.2. Any dispute in respect of which a notice of intention to commence arbitration has been given, in accordance with GCC sub-clause 45.1, shall be finally settled by arbitration. Arbitration may be commenced prior to or after completion of the Project. Arbitration proceedings shall be conducted in accordance with Arbitration Act 1940.

49.3. Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree that the Procuring Agency shall pay the Service Provider any monies due the Service Provider.





Special Conditions of Contract

SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

Number of GC Clause

Amendments of, and Supplements to, Clauses in the General Conditions of Contract>

Number of GC Clause 3.1

The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan

Number of GC Clause 4.1

The language is **English**

Number of GC Clause 6.1 and 6.2

The addresses are:

The Procuring Agency is: Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL)), Executive Engineer Ground Floor, LDA Plaza, 7-Egerton Road, Lahore City, Lahore (District), Lahore Division (Division), Punjab (Province).

The Consultant Address:

The title of the subject procurement is: **HIRING OF FIRM FOR DATA VALIDATION, MODELING AND DESIGNING OF MITIGATION STRATEGY AGAINST HVDC INTERFERENCE WITH SNGPL'S TRANSMISSION & DISTRIBUTION PIPELINES**

Number of GC Clause 8.1

[Note: If the Consultant consists only of one entity, state "N/A"; Or

The Lead Member on behalf of the JV is _____ *[insert name of the member]*

Number of GC Clause 9.1

The Authorized Representatives are:

The Authorized Representatives are:

For the Procuring Agency:

Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL)), Executive Engineer Ground Floor, LDA Plaza, 7-Egerton Road, Lahore City, Lahore (District), Lahore Division (Division), Punjab (Province).

+92-321-941-6698

awais.zubair@sngpl.com.pk

For the Bidder:

Name:

Designation:

Address:

Number of GC Clause 11.1

[Note: If there are no effectiveness conditions, state “N/A”]OR

List here any conditions of effectiveness of the Contract]

The effectiveness conditions are the following: *[insert “N/A” or list the conditions]*

Termination of Contract for Failure to Become Effective:

The time period shall be *[insert time period, e.g.: four months].*

Commencement of Services:

The number of days shall be *[e.g.: ten].*

Confirmation of Key Experts’ availability to start the Assignment shall be submitted to the Procuring Agency in writing as a written statement signed by each Key Expert.

Expiration of Contract:

The time period shall be *[insert time period, e.g.: twelve months].*

Number of GC Clause 23.1

No additional provisions.

The following limitation of the Consultant’s Liability towards the Procuring Agency can be subject to the Contract’s negotiations:

Consultant's Liabilities

Consultant's liabilities are to be gone through ANNEXURES attached with this Tender Document

In term of an international bidder, Future payment can be arranged in USD or in equivalent value of the bidding currency. For this, bidder has to write a formal request letter

Number of GC Clause 24.1

The insurance coverage against the risks shall be as follows:

(a) Professional liability insurance, with a minimum coverage of *[insert amount and currency which should be not less than the total ceiling amount of the Contract];*

Number of GC Clause 33. Removal of Experts or Sub-consultants

[Note to Procuring Agency: include the following for supervision of infrastructure contracts (such as Plant or Works) and for other consulting service where the social risks are substantial or high, otherwise

delete.]

Price adjustment on the remuneration [insert “applies” or “ does not apply”]

[If the Contract is less than 18 months, price adjustment does not apply.

If the Contract has duration of more than 18 months, a price adjustment provision on the remuneration for foreign and/or local inflation shall be included here. The adjustment should be made every 12 months after the date of the contract for remuneration in foreign currency and – except if there is very high inflation in the Procuring Agency’s country, in which case more frequent adjustments should be provided for – at the same intervals for remuneration in local currency. Remuneration in foreign currency should be adjusted by using the relevant index for salaries in the country of the respective foreign currency (which normally is the country of the Consultant) and remuneration in local currency by using the corresponding index for the Procuring Agency’s country. A sample provision is provided below for guidance:

Payments for remuneration made in [foreign and/or local] currency shall be adjusted as follows:

{ or }

where

R_f is the adjusted remuneration;

R_{fo} is the remuneration payable on the basis of the remuneration rates (**Appendix C**) in foreign currency;

I_f is the official index for salaries in the country of the foreign currency for the first month for which the adjustment is supposed to have effect; and

I_{fo} is the official index for salaries in the country of the foreign currency for the month of the date of the Contract.

{ or }

where

R_l is the adjusted remuneration;

R_{lo} is the remuneration payable on the basis of the remuneration rates (**Appendix D**) in local currency;

I_l is the official index for salaries in the Procuring Agency’s country for the first month for which the adjustment is to have effect; and

I_{lo} is the official index for salaries in the Procuring Agency’s country for the month of the date of the Contract.

The currency of payment shall be the following: PKR

[The advance payment could be in either the foreign currency, or the local currency, or both; select the correct wording in the Clause here below. The advance bank payment guarantee should be in the same currency(ies)]

The following provisions shall apply to the advance payment and the advance bank payment guarantee:

Following is the guidance for Dispute Resolution

i. If any dispute of any kind whatsoever shall arise between the Authority and the Bidder in connection with or arising out of the Contract, including without prejudice to the generality of foregoing, any question regarding its existence, validity, termination and the execution of the Contract – whether during developing phase or after their completion and whether before or after the termination, abandonment or breach of the Contract – the parties shall seek to resolve any such dispute or difference by mutual diligent negotiations in good faith within 14 (fourteen) days following a notice sent by one Party to the other Party in this regard.

ii. At future of negotiation the dispute shall be resolved through mediation and mediator shall be appointed with the mutual consent of the both parties.

iii. At the event of failure of mediation to resolve the dispute relating to this contract such dispute shall finally be resolved through binding Arbitration by sole arbitrator in accordance with Arbitration Act 1940. The arbitrator shall be appointed by mutual consent of the both parties. The Arbitration shall take place in Islamabad, Pakistan and proceedings will be conducted in English language.

iv. The cost of the mediation and arbitration shall be shared by the parties in equal proportion however the both parties shall bear their own costs and lawyer's fees regarding their own participation in the mediation and arbitration. However, the Arbitrator may make an award of costs upon the conclusion of the arbitration making any party to the dispute liable to pay the costs of another party to the dispute.

v. Arbitration proceedings as mentioned in the above clause regarding resolution of disputes may be commenced prior to, during or after completion of the contract.

Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree that the Authority shall pay the Bidder any monies due to the Bidder.

Arbitrator's fee:

The fee shall be specified in Pak Rupees, as determined by the Arbitrator, which shall be shared equally by both parties.

Appointing Authority for Arbitrator:

By the Mutual Consent or in accordance with the provisions of Arbitration Act, 1940, in case the parties fail to reach a consensus on the name of sole arbitrator, any party may submit an application to the Chief Justice Islamabad High Court for appointment of sole arbitrator. The Chief Justice IHC may appoint a former judge of any High Court or Supreme Court as the sole arbitrator to resolve the dispute between the parties.

Rules of procedure for arbitration proceedings:

Any dispute between the Authority and a Bidder who is a national of the Islamic Republic of Pakistan arising in connection with the present Contract shall be referred to adjudication or arbitration in accordance with the laws of the Islamic Republic of Pakistan including Arbitration Act 1940, however above provision shall prevail in referring the case to the Arbitrator.

Place of Arbitration and Award:

The arbitration shall be conducted in English language and place of arbitration shall be at Islamabad. The award of the arbitrator shall be final and shall be binding on the parties.



Bid Securing Declaration

Bid Securing Declaration

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

Bid No.: **P139176**

To: **Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL)), Executive Engineer Ground Floor, LDA Plaza, 7-Egerton Road, Lahore City, Lahore (District), Lahore Division (Division), Punjab (Province).**

We, the undersigned, declare that:

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

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

1. have withdrawn or modified our Bid during the period of Bid Validity specified in the Form of Bid;
2. Disagreement to arithmetical correction made to the Bid price; or
3. having been notified of the acceptance of our Bid by the Procuring Agency during the period of Bid Validity, (i) failure to sign the contract if required by Procuring Agency to do so or (ii) fail or refuse to furnish the Performance Security or to comply with any other condition precedent to signing the contract specified in the Bidding Documents.

We understand this Bid Securing Declaration shall expire if we are not the successful

Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight (28) days after the expiration of our Bid.



Contract Form

FORM OF CONTRACT

This CONTRACT (hereinafter called the “Contract”) is made the [number] day of the month of [month], [year], between, on the one hand, [name of Procuring Agency or Recipient] (hereinafter called the “Procuring Agency”) and, on the other hand, [name of Consultant] (hereinafter called the “Consultant”).

[If the Consultant consist of more than one entity, the above should be partially amended to read as follows: “...(hereinafter called the “Procuring Agency”) and, on the other hand, a Joint Venture consisting of the following entities, each member of which will be jointly and severally liable to the Procuring Agency for all the Consultant’s obligations under this Contract, namely, [name of member] and [name of member] (hereinafter called the “Consultant”).]

WHEREAS

1. the Procuring Agency has requested the Consultant to provide certain consulting services as defined in this Contract (hereinafter called the “Services”);
2. the Consultant, having represented to the Procuring Agency that it has the required professional skills, expertise and technical resources, has agreed to provide the Services on the terms and conditions set forth in this Contract;
3. the Procuring Agency has received [or has applied for] a loan [or credit or grant] from the [Insert as appropriate:)] toward the cost of the Services and intends to apply a portion of the proceeds of this [loan/credit/grant] to eligible payments under this Contract, it being understood that (i) payments will be made only at the request of the Procuring Agency; (ii) such payments will be subject, in all respects, to the terms and conditions of the [loan/financing/grant] agreement, including prohibitions of withdrawal from the [loan/credit/grant] account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import.

NOW THEREFORE the parties hereto hereby agree as follows:

The following documents attached hereto shall be deemed to form an integral part of this Contract:

- The General Conditions of Contract
- The Special Conditions of Contract;
- Appendices: Appendix
 - Terms of Reference Appendix
 - Key Experts Appendix
 - Remuneration Cost Estimates Appendix)
 - Reimbursable Cost Estimates Appendix
 - Form of Advance Payments Guarantee

In the event of any inconsistency between the documents, the following order of precedence shall prevail: the Special Conditions of Contract; the General Conditions of Contract, including Attachment 1; Appendix A;

Appendix B; Appendix C and Appendix D; and Appendix E. Any reference to this Contract shall include, where the context permits, a reference to its Appendices.

2. The mutual rights and obligations of the Procuring Agency and the Consultant shall be as set forth in the Contract, in particular:

- (a) the Consultant shall carry out the Services in accordance with the provisions of the Contract; and
- (b) the Procuring Agency shall make payments to the Consultant in accordance with the provisions of the Contract.

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

For and on behalf of *[Name of Procuring Agency]*

[Authorized Representative of the Procuring Agency – name, title and signature]

For and on behalf of *[Name of Consultant or Name of a Joint Venture]*

[Authorized Representative of the Consultant – name and signature]

[For a joint venture, either all members shall sign or only the lead member, in which case the power of attorney to sign on behalf of all members shall be attached.]

For and on behalf of each of the members of the Consultant *[insert the name of the Joint Venture]*

[Name of the lead member]

[Authorized Representative on behalf of a Joint Venture]

[add signature blocks for each member if all are signing]



Integrity Pact

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN CONTRACTS WORTH RS.10.00 MILLION OR MORE

Contract

Number: Contract

Value: Contract Title:

Dated:

[Name of Supplier] 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 Supplier] represents and warrants that it has fully declared the brokerage, commission, fee 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 consultations 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 Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representative or warranty.

[Name of Supplier] accepts full responsibility and strict liability for making and false declaration, not making full disclosure, misrepresenting fact 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 Supplier] agrees to indemnify GoP for any loss or 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 Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.



Performance Guarantee Form

Performance Guarantee Form

To: **Sui Northern Gas Pipelines limited (Sui Northern Gas Pipelines Limited (SNGPL)), Executive Engineer Ground Floor, LDA Plaza, 7-Egerton Road, Lahore City, Lahore (District), Lahore Division (Division), Punjab (Province).**

WHEREAS *[name of Bidder]* (hereinafter called “the Bidder”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated *[insert date]* for provision of Goods (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Bidder shall furnish you with a Bank Guarantee by a reputable bank for the sum specified therein as security for compliance with the Bidder’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Bidders guarantee:

THEREFORE, WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Bidder to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the: *[insert date]*

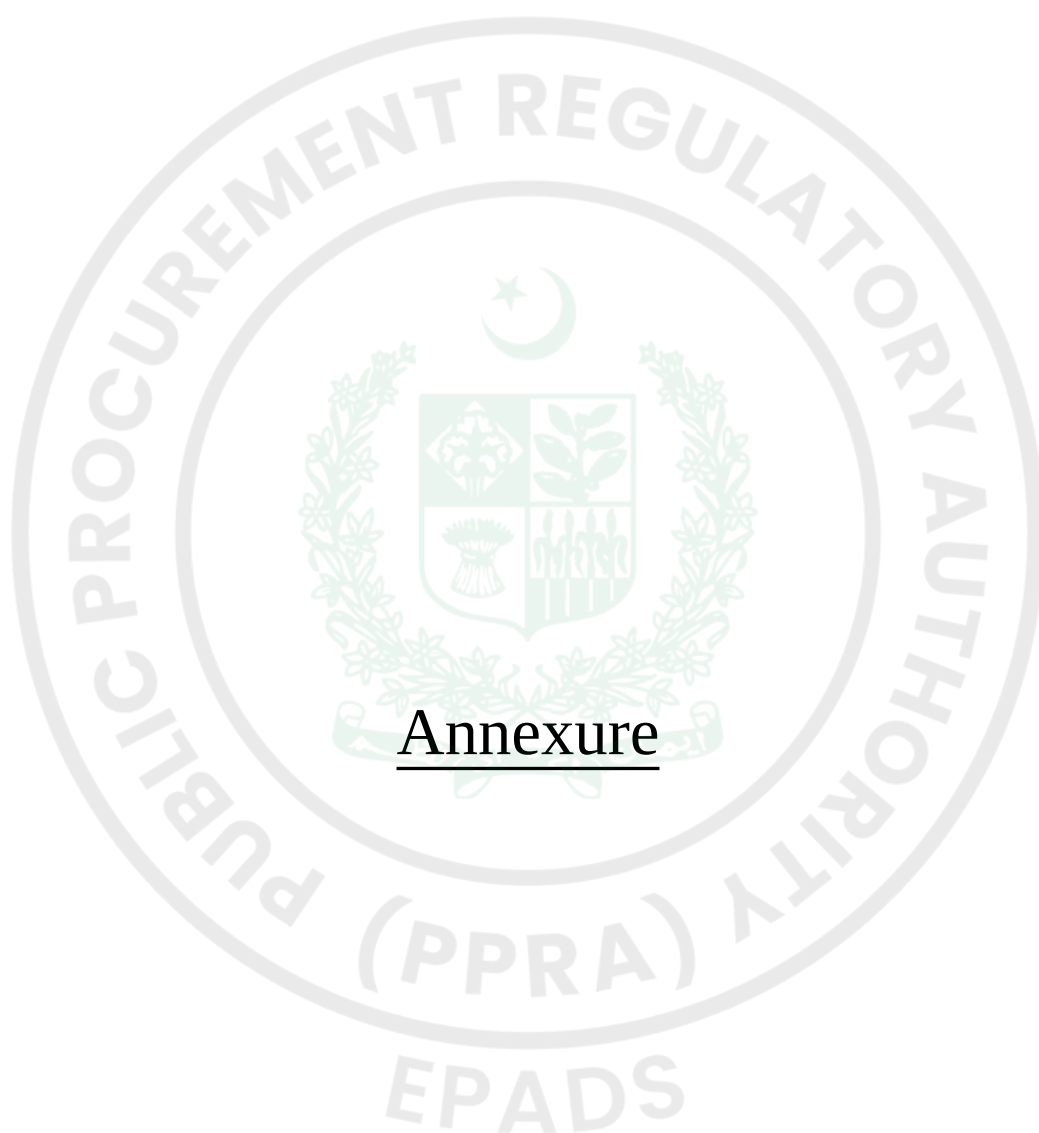
Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]





Annexure

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.

Information (Read-Only)

See Form Under Additional Forms and Documents: **Invitation for hiring of third party contractor firm** (page number: 73)

2.0 Scope of Work

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

1.

1.1.

1.1.1. Assessment of safe distance, e., the minimum distance between HVDC line and gas pipelines necessary to avoid the adverse impacts on the gas pipelines.

1.1.2. 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.

1.1.3. Data verification/collection in case of any inconsistencies, including modeling and simulation to analyze interference, predict potentials, and validate CP system design.

1.1.4. 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.

Information (Read-Only)

See Form Under Additional Forms and Documents: **2.0 Scope of Work** (page number: 76)

Eligibility Requirement

Information (Read-Only)

See Form Under Additional Forms and Documents: **Eligibility Requirement** (page number: 77)

General Conditions of Contract

The interested firm shall be registered on EPADS V 2.0/ PPRA - EPMS and can download the tender document from EPADS V 2.0 print/sign it and also send hard copy on following address along with other required documents. 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

Information (Read-Only)

See Form Under Additional Forms and Documents: **General Conditions of Contract** (page number: 78)

Deliverables to be Produced by Contractor Firm

1. 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:

1.

1.1.

1.1.1. Data Validation/Collection Reports

1.1.2. DC Modeling & Design Reports

DC Mitigation Report along with Drawings & BOQ

Information (Read-Only)

See Form Under Additional Forms and Documents: **Deliverables to be Produced by Contractor Firm** (page number: 88)

Detail of Available Data for Assessment

Information (Read-Only)

See Form Under Additional Forms and Documents: **Detail of Available Data for Assessment** (page number: 89)

APPENDIX- I TECHNICAL PROPOSAL

Technical Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **APPENDIX- I TECHNICAL PROPOSAL** (page number: 95)

APPENDIX- II FINANCIAL PROPOSAL

Financial Submission (Vendor)

Document Required

See Form Under Additional Forms and Documents: **APPENDIX- II FINANCIAL PROPOSAL** (page number: 101)

PERFORMANCE BOND FORMAT

International bidders can submit PG amount as mentioned in Tender documents in USD

Information (Read-Only)

See Form Under Additional Forms and Documents: **PERFORMANCE BOND FORMAT** (page number: 103)

Contract form Annexure-B

Information (Read-Only)

See Form Under Additional Forms and Documents: **Contract form Annexure-B** (page number: 105)

INTEGRITY PACT

Information (Read-Only)

See Form Under Additional Forms and Documents: **INTEGRITY PACT** (page number: 107)

CONTRACTOR'S HSE STATEMENT Annexure (D)

Information (Read-Only)

See Form Under Additional Forms and Documents: **CONTRACTOR'S HSE STATEMENT Annexure (D)** (page number: 108)

TENDER DOCUMENT

Information (Read-Only)

See Form Under Additional Forms and Documents: **TENDER DOCUMENT** (page number: 113)



Procurement Forms

Financial Capacity and Net Worth Evaluation Form

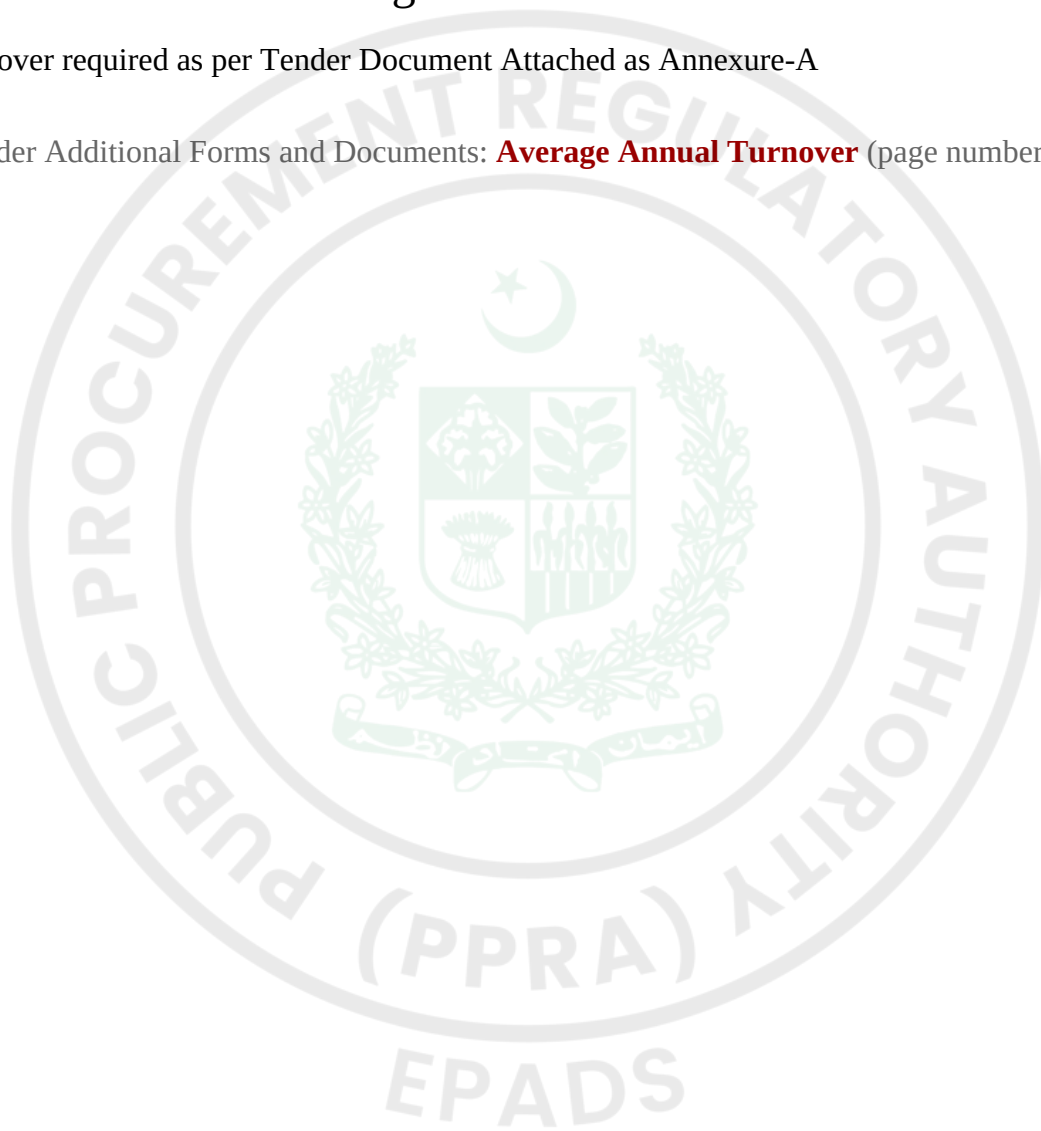
Bidders are Requested to fill out this form as per Form Number Number 01 of Tender Document Attached as Annexure-A

See Form Under Additional Forms and Documents: **Financial Capacity and Net Worth Evaluation Form** (page number: 153)

Average Annual Turnover

Annual Turn over required as per Tender Document Attached as Annexure-A

See Form Under Additional Forms and Documents: **Average Annual Turnover** (page number: 155)







Additional Forms and Documents

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.

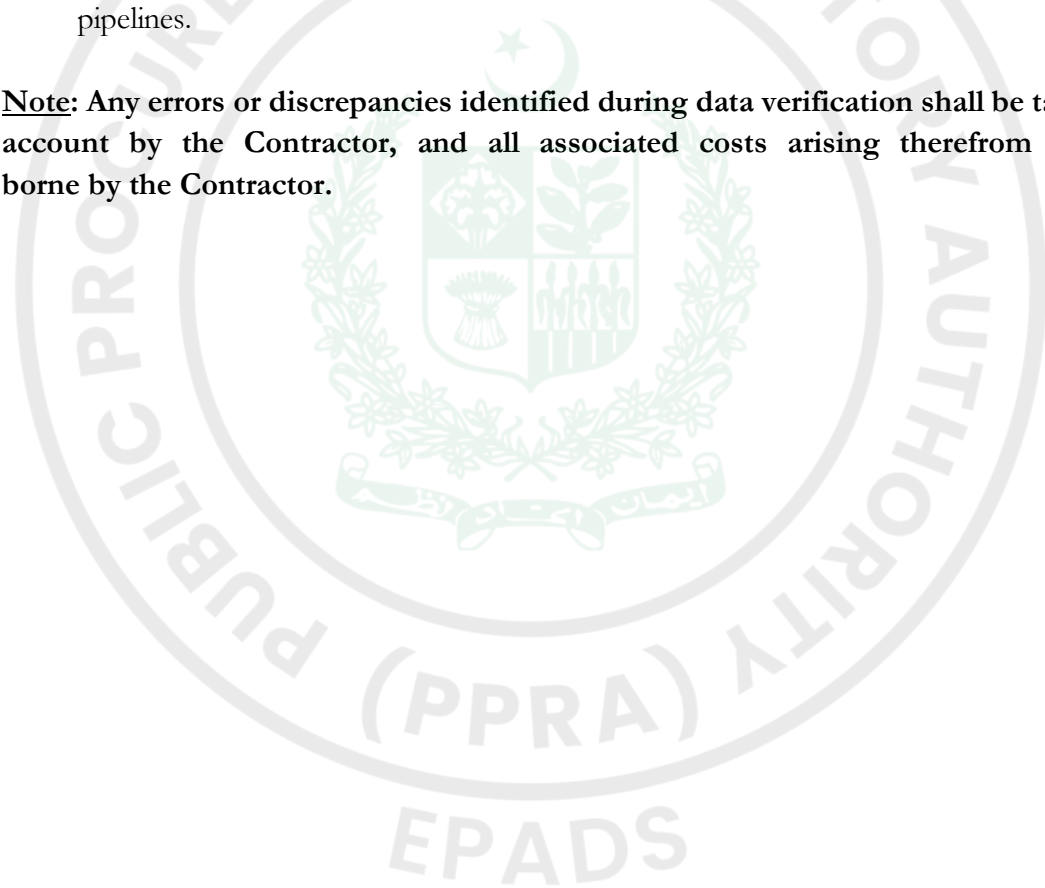


2.0 Scope of Work

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 be registered on EPADS V 2.0/ PPRA - EPMS and can download the tender document from EPADS V 2.0 print/sign it and also send hard copy on following address along with other required documents.

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 ink 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 **00-00-2026 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/- or in equivalent value of the bidding currency, 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/- or in equivalent value of the bidding currency 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 or in equivalent value of the bidding currency 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 downloaded the tender documents may seek clarification via EPADS V 2.0, 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 **equivalent** 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

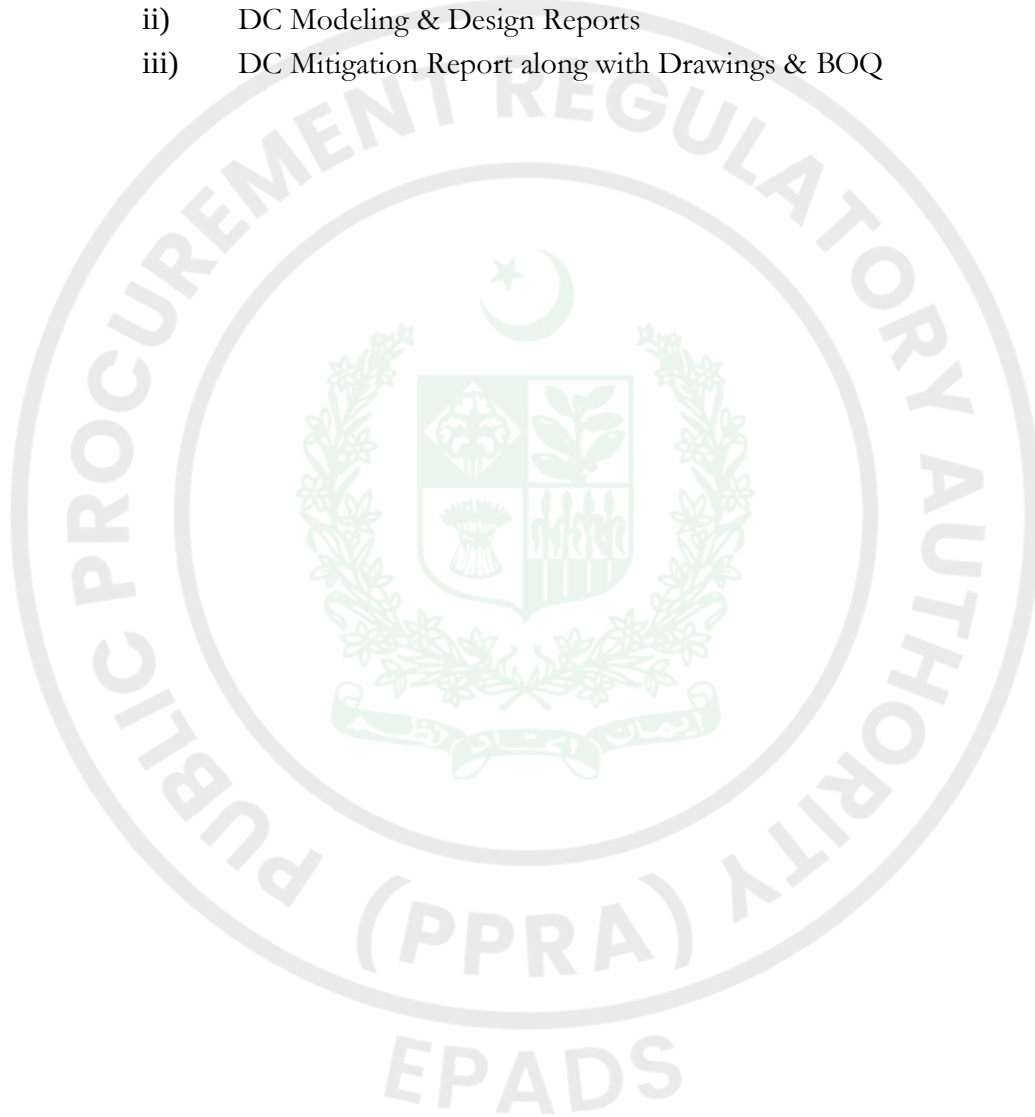
- a) SNGPL shall have the right to take appropriate actions either independently or through bidder for verification of any of the information included in the proposal.
- b) SNGPL shall not be liable for any cost or expenses which may be incurred by the bidder or its associate in connection with this 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

Coating Type: Three-Layer Polyethylene

Coating Condition: Excellent

Dia.: 10"

Length: 20.27 Km

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

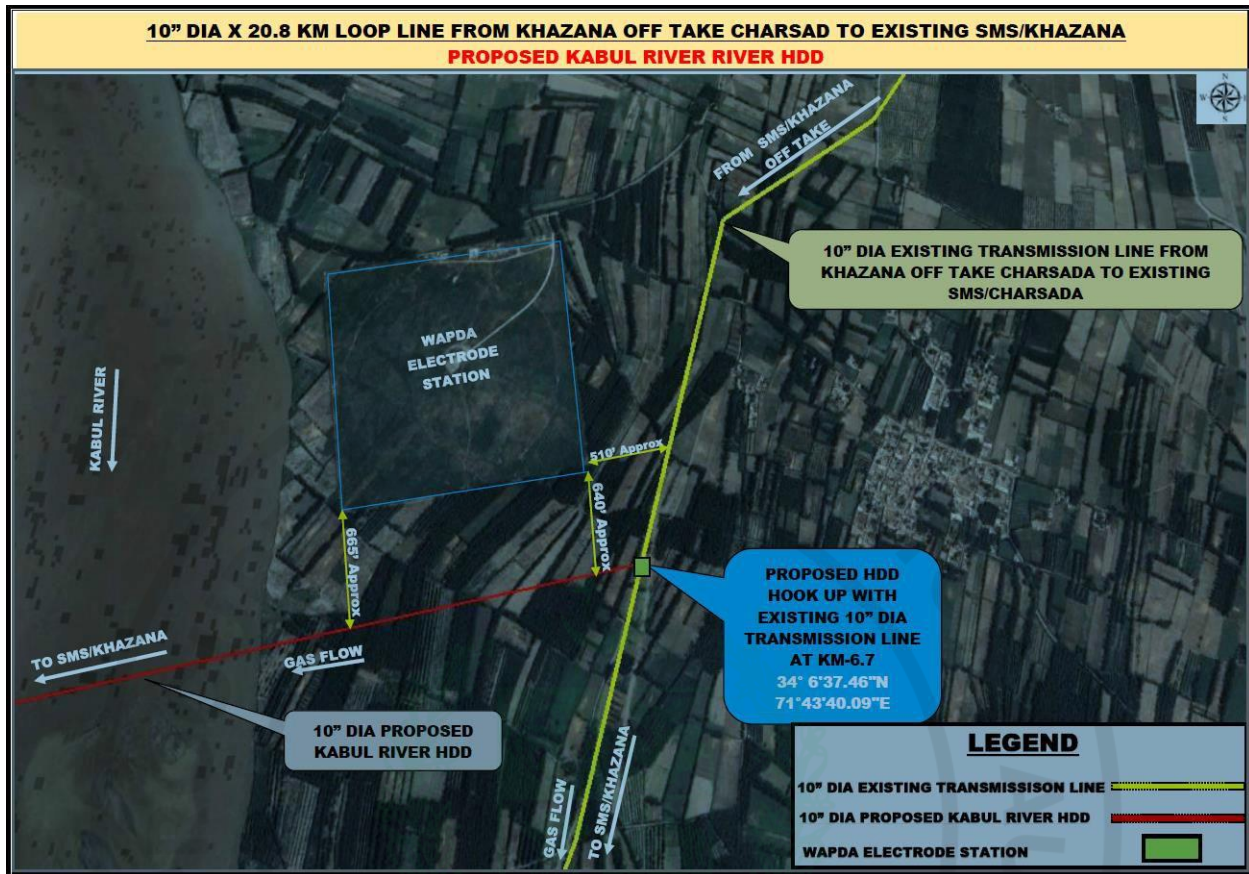
10" dia. Charsadda-Khazana Loop Line

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		Constr uction 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 Data Validation, Modeling and Designing of 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 • Registered Offices (02 and above) • Registered Offices (01)	4 3	
1.3	Average Annual Turnover • Up to Rs. 50 Million • Up to Rs. 25 Million • Over Rs. 10 Million	6 5 3	
1.4	Date of Establishment • 2-5 years • > 5 years	4 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: 15

SUI NORTHERN GAS PIPELINES LIMITED
Hiring of Firm for Data Validation, Modeling and Designing of 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 - Over 07 years 03-07 years	10 5	
2.2	Experience in Field of DC Interference & Its Mitigation - Over 07 years 03-07 years	15 10	
2.3	Number of such / similar integrity assessment projects including DC Interference assessments successfully completed in oil & gas sector: - Over 5 2 - 5	10 5	
2.4	Client Reference: - 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 Data Validation, Modeling and Designing of 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 DC Interference assessment and its mitigation • 6 – 9 • 3 – 5	15 10	
3.2	Certified Inspectors: • 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 Data Validation, Modeling and Designing of 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 • Own Facility • Contracted Facilities In case of contracted facilities, give detail along with documentary evidence.	3 2	
4.3	• Applicable modeling with proven software to analyze the provided data for assessment of DC Interference • Applicable modeling without any software support to analyze the provided data for assessment of 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 Data Validation, Modeling and Designing of Mitigation Strategy
against HVDC Interference with SNGPL's Transmission & Distribution
Pipelines

QUALIFICATION 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: $15+23+20+07 = 65$

Obtained Marks:

APPENDIX- II

FINANCIAL PROPOSAL



BID SHEET FORM (SCHEDULE OF RATES)

TENDER ENQUIRY NO. SNT/CC/HVDC/2027/01-R1

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 IIISuppliers to Complete Sections IV, V, and VISection 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, Greases Gasoline	Oils, 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 Services)	Environmental	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

	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 • 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	



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/2027/01-R1**



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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 be registered on EPADS V 2.0/ PPRA - EPMS and can download the tender document from EPADS V 2.0 print/sign it and also send hard copy on following address along with other required documents.

**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 ink 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 **00-00-2026 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/- or in equivalent value of the bidding currency, 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/- or in equivalent value of the bidding currency 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 or in equivalent value of the bidding currency 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 downloaded the tender documents may seek clarification via EPADS V 2.0, 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 equivalent 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
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Pipeline Segment: Charsadda-Khazana Loop Line
Coating Type: Three-Layer Polyethylene
Coating Condition: Excellent

Dia.: 10"
Length: 20.27 Km



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

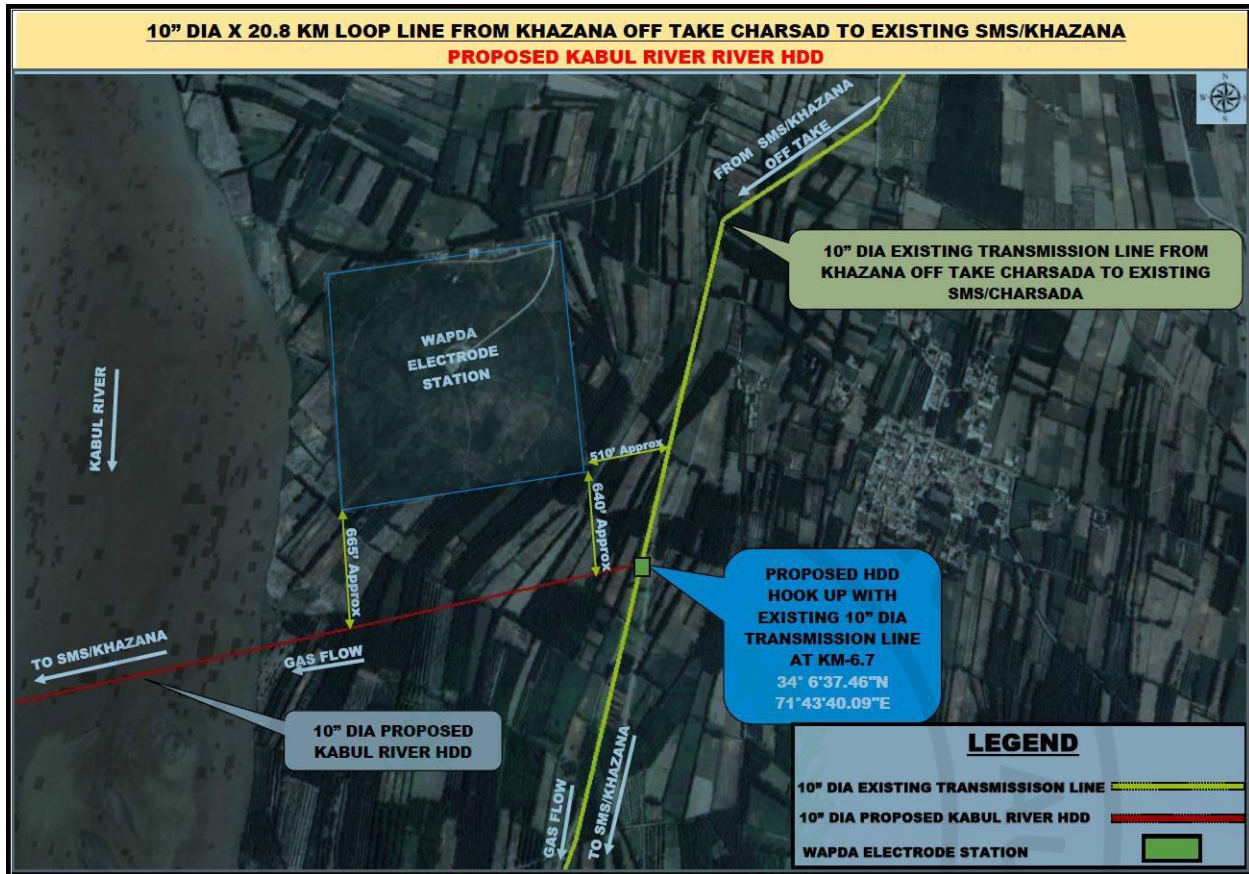
10" dia. Charsadda-Khazana Loop Line

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 Data Validation, Modeling and Designing of 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 • Registered Offices (02 and above) • Registered Offices (01)	4 3	
1.3	Average Annual Turnover • Up to Rs. 50 Million • Up to Rs. 25 Million • Over Rs. 10 Million	6 5 3	
1.4	Date of Establishment • 2-5 years • > 5 years	4 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: 15

SUI NORTHERN GAS PIPELINES LIMITED
Hiring of Firm for Data Validation, Modeling and Designing of 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 - Over 07 years 03-07 years	10 5	
2.2	Experience in Field of DC Interference & Its Mitigation - Over 07 years 03-07 years	15 10	
2.3	Number of such / similar integrity assessment projects including DC Interference assessments successfully completed in oil & gas sector: - Over 5 2 - 5	10 5	
2.4	Client Reference: - 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 Data Validation, Modeling and Designing of 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 DC Interference assessment and its mitigation • 6 – 9 • 3 – 5	15 10	
3.2	Certified Inspectors: • 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

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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 • Own Facility • Contracted Facilities In case of contracted facilities, give detail along with documentary evidence.	3 2	
4.3	• Applicable modeling with proven software to analyze the provided data for assessment of DC Interference • Applicable modeling without any software support to analyze the provided data for assessment of 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 Data Validation, Modeling and Designing of Mitigation Strategy
against HVDC Interference with SNGPL's Transmission & Distribution
Pipelines**

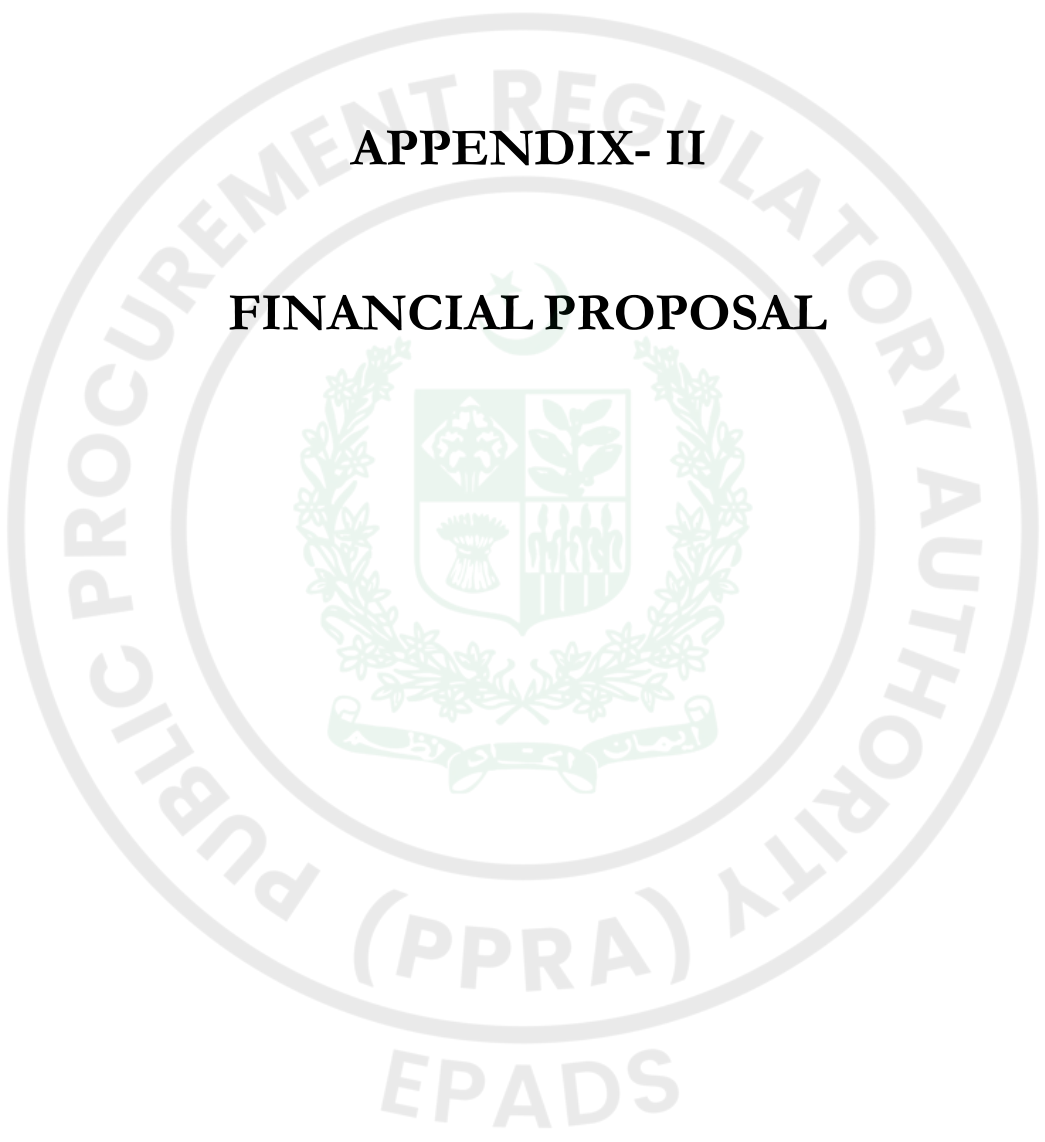
QUALIFICATION RATING CRITERIA

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

Total Marks: 100

Minimum Required Score: $15+23+20+07 = 65$

Obtained Marks:



APPENDIX- II

FINANCIAL PROPOSAL

BID SHEET FORM (SCHEDULE OF RATES)

TENDER ENQUIRY NO. TENDER ENQUIRY NO. SNT/CC/HVDC/2027/01-R1

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**

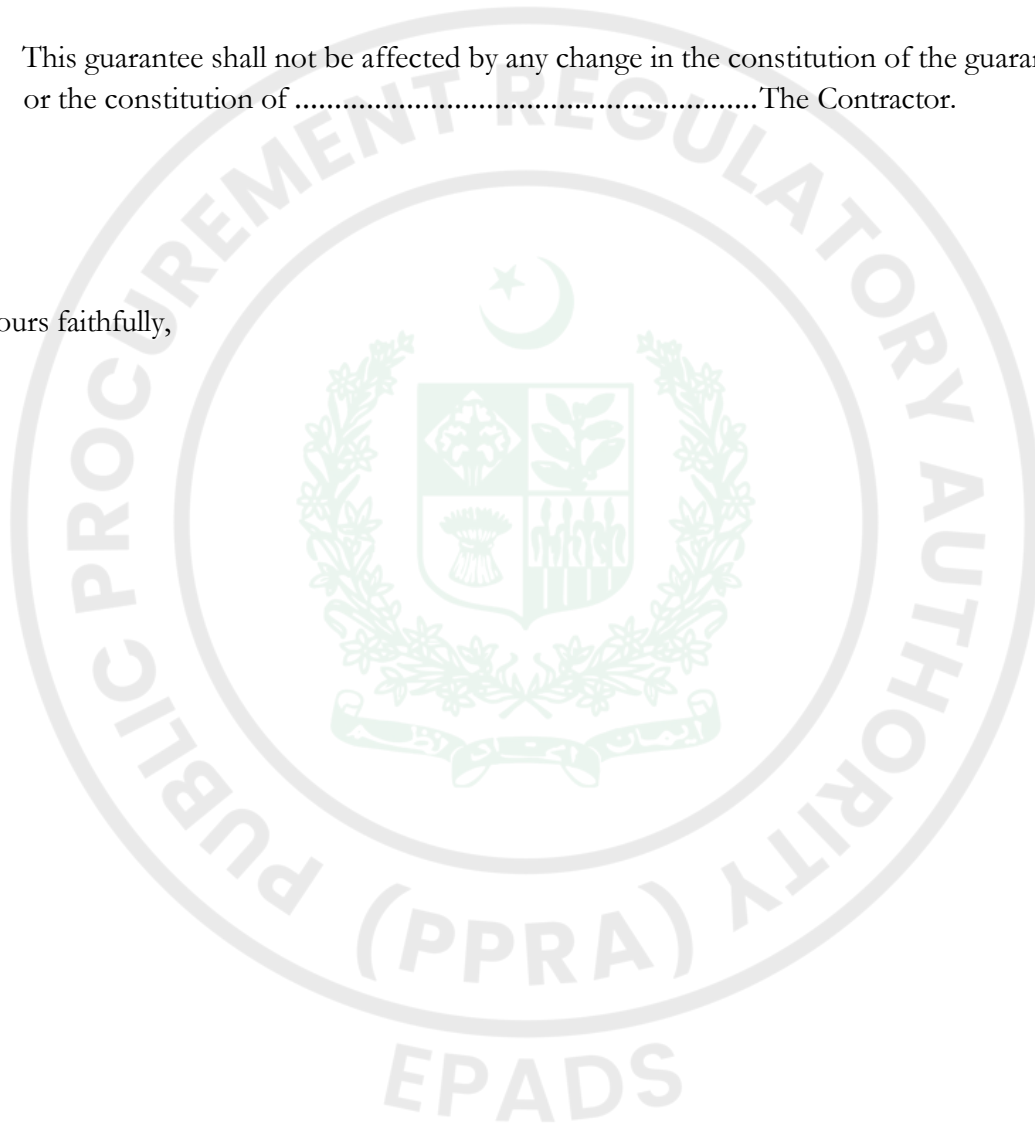
In consideration of your having entered into an Agreement **for Data Validation, Modeling &
Designing of Mitigation Strategy against HVDC Interference with SNGPL's
Transmission & Distribution Pipelines,**

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 Contractor 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 ofThe 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 IIISuppliers to Complete Sections IV, V, and VISection 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, Greases Gasoline	Oils, 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 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

	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 • 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	

Financial Situation and Performance

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member Name: *[insert full name]*

IFP No. and title: *[insert IFP number and title]*

Page *[insert page number]* of *[insert total number]* pages

1. Financial data

Type of Financial information in (currency)	Historic information for previous <i>[insert number]</i> years, <i>[insert in words]</i> (amount in currency, currency, exchange rate*, PKR equivalent)				
	Year 1	Year 2	Year 3		
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Cash Flow Information					
Cash Flow from Operating Activities					

* Refer ITA 14 for the exchange rate

3. Financial documents

The Applicant and in case of JV, members of JV shall provide copies of financial statements for [number] years pursuant Section III, Qualifications Criteria and Requirements. The financial statements shall:

- (a) reflect the financial situation of the Applicant or in case of JV member, and not an affiliated entity (such as parent company or group member).
 - (b) be independently audited or certified in accordance with local legislation.
 - (c) be complete, including all notes to the financial statements.
 - (d) correspond to accounting periods already completed and audited.
- ☐ Attached are copies of financial statements¹ for the [number] years required above; and complying with the requirements.

¹ If the most recent set of financial statements is for a period earlier than 12 months from the date of Application, the reason for this should be justified.

Average Annual Turnover (Annual Sales Value)

[The following table shall be filled in for the Applicant and for each member of a Joint Venture]

Applicant's Name: *[insert full name]*

Date: *[insert day, month, year]*

Joint Venture Member Name: *[insert full name]*

IFP No. and title: *[insert IFP number and title]*

Page *[insert page number]* of *[insert total number]* pages

Annual Turnover Data			
Year	Amount Currency	Exchange rate* (If applicable)	PKR equivalent
<i>[indicate calendar year]</i>	<i>[insert amount and indicate currency]</i>		
		Average Annual Turnover **	

* Refer ITA for date and source of exchange rate.

** Total PKR equivalent for all years divided by the total number of years. See Section III, Qualification Criteria and Requirements, ITA.