



Request for Proposals

RFP No: NEC/RFP/NBLTL/080/81-1

Selection of Consulting Services for: LiDAR Survey of 400 kV Transmission Line from Butwal to Lamahi

Project Name: LiDAR Survey of 400 kV Transmission Line from Butwal to
Lamahi
RFP: NEC/RFP/NBLTL/080/81-1

**NEA Engineering Company Ltd.
Thapathali, Kathmandu**

October 2023

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PART I

Section 1. Letter of Invitation

Issued Date: October 20,
2023

Sub: Letter of Invitation

Dear Mr./Ms.:

1. NEC has allocated fund towards the cost of **LiDAR Survey of 400 kV transmission line from Butwal to Lamahi** intends to apply a portion of this fund to eligible payments under this Contract for which this Request for Proposals is issued.
2. The NEC now invites proposals to provide the following consulting services (hereinafter called "Services"): **LiDAR Survey of 400 kV transmission line from Butwal to Lamahi**. More details on the Services are provided in the **Terms of Reference (Section 7)**.
3. This Request for Proposals (RFP) has been addressed to the following shortlisted Consultants:
 - i. **M/S Design Point-Amit-K.S.M JV** (Lead: Design Point Private Limited, Sub: Amit Consultant (P) Ltd, Sub: KSM), New Baneshwor, Kathmandu
 - ii. **M/S Geo 3D-Geotech, JV** (Lead: Geo Three D. Modeling, Sub: Geotech Engineering Space Private Limited), Ward No.: 6, Surya Chandra Colony, Kageshwori, Manohara
 - iii. **M/S HCN-DRN-GSS, JV** (Lead: HydroCon Nepal Pvt. Ltd., Sub: Dronepal Pvt. Ltd., Sub: Geo SAT Solutions Pvt. Ltd.), Shankhamul, Kathmandu
 - iv. **M/S Rajdevi National, JV** (Lead: Rajdevi Engineering Consultant Pvt. Ltd., Sub: National Consult Nepal (P) Ltd.), Ganesh Marga Shankhamul, New Baneshwor
 - v. **M/S SEED-PEES, JV** (Lead: Synergy Engineering and Environmental Development (P) Ltd., Sub: PEES Consultant (P) Ltd.), Bhaisepati, Shaibu-2
4. It is not permissible to transfer this invitation to any other firm, such as Consultant's parent companies, subsidiaries and affiliates. The Client will reject a Proposal if the Consultant drops a JV partner without the Client's prior consent, which is given only in exceptional circumstances, such as blacklisting of the JV partner or occurrence of Force Majeure.
5. A firm will be selected under **Quality and Cost Selection Method (QCBS)** and procedures described in this RFP.
6. The RFP includes the following documents:
 - Section 1 - Letter of Invitation
 - Section 2 - Instructions to Consultants and Data Sheet
 - Section 3 - Technical Proposal - Standard Forms
 - Section 4 - Financial Proposal - Standard Forms
 - Section 5 – Eligible Countries
 - Section 6 – GoN's Policy – Corrupt and Fraudulent Practices
 - Section 7 - Terms of Reference



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7. Proposal must be submitted in Hard Copy under the name of public entity: NEA Engineering Company Limited on or before 12:00 Hrs on November 20, 2023. Proposal received after this deadline will be rejected.
8. The technical Proposals will be opened in the presence of Consultant's representatives who wish to attend at 14:00 Hrs on November 20, 2023 at the office of NEAEC, Trade Tower, Thapathali, Kathmandu.

Yours sincerely,

Mr. Pradeep Kumar Thike
Managing Director



Section 2. Instructions to Consultants and Data Sheet

A. General Provisions

1. Definitions	<p>(a). “Affiliate(s)” means an individual or an entity that directly or indirectly controls, is controlled by, or is under common control with the Consultant.</p> <p>(b). “Applicable Guidelines” means the policies of the Development Partner (DP) governing the selection and Contract award process, in case of DP funded project. “Applicable Law” means the laws and any other instruments having the force of law in Nepal as they may be issued and in force from time to time.</p> <p>(c). “Borrower [or Recipient or Beneficiary]” means the Government, Government agency or other entity that signs the financing [or loan/credit/grant/project] agreement with the Development Partner.</p> <p>(d). “Client” means the <i>[procuring entity/ implementing/ executing agency]</i> that signs the Contract for the Services with the selected Consultant.</p> <p>(e). “Consultant” means a legally-established professional consulting firm or an entity that may provide or provides the Services to the Client under the Contract.</p> <p>(f). “Contract” means a legally binding written agreement signed between the Client and the Consultant and includes all the attached documents listed in its Clause 1 (the General Conditions of Contract (GCC), the Special Conditions of Contract (SCC), and the Appendices).</p> <p>(g). “Data Sheet” means an integral part of the Instructions to Consultants (ITC) Section 2 that is used to reflect specific assignment conditions to supplement, but not to over-write, the provisions of the ITC.</p> <p>(h). “Day” means a calendar day.</p> <p>(i). “Development Partner (DP)” means the country/institution funding the project as specified in the Data Sheet.</p> <p>(j). “Experts” means, collectively, Key Experts, Non-Key Experts, or any other personnel of the Consultant, Sub-consultant or Joint Venture member(s).</p> <p>(k). “Government” means the government of the Nepal.</p> <p>(l). “Joint Venture (JV)” means an association with or without a legal personality distinct from that of its members, of more than one Consultant where one member has the authority to conduct all business 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 Client for the performance of the Contract.</p> <p>(m). “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 CV is taken into account in the technical evaluation of the Consultant’s proposal.</p> <p>(n). “ITC” (this Section 2 of the RFP) means the Instructions to Consultants that provides the shortlisted Consultants with all</p>
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	<p>information needed to prepare their Proposals.</p> <p>(o). "LOI" (Section 1 of the RFP) means the Letter of Invitation being sent by the Client to the shortlisted Consultants.</p> <p>(p). "Non-Key Expert(s)" means an individual professional provided by the Consultant or its Sub-consultant and who is assigned to perform the Services or any part thereof under the Contract and whose CVs are not evaluated individually.</p> <p>(q). "Proposal" means the Technical Proposal and the Financial Proposal of the Consultant.</p> <p>(r). "RFP" means the Request for Proposals prepared by the Client for the selection of Consultants, based on the SRFP.</p> <p>(s). "SRFP" means the Standard Request for Proposals issued by PPMO, which must be used by the Public Entity as the basis for the preparation of the RFP.</p> <p>(t). "Services" means the work to be performed by the Consultant pursuant to the Contract.</p> <p>(u). "Sub-consultant" means an entity to whom the Consultant intends to subcontract any part of the Services while remaining responsible to the Client during the performance of the Contract.</p> <p>(v). "TORs" (this Section 7 of the RFP) means the Terms of Reference that explain the objectives, scope of work, activities, and tasks to be performed, respective responsibilities of the Client and the Consultant, and expected results and deliverables of the assignment.</p>
<p>2. Introduction</p>	<p>2.1 The Client named in the Data Sheet intends to select a Consultant from those listed in the Letter of Invitation, in accordance with the method of selection specified in the Data Sheet.</p> <p>2.2 The shortlisted Consultants are invited to submit a Technical Proposal and a Financial Proposal, or a Technical Proposal only, as specified in the Data Sheet, for consulting services required for the assignment named in the Data Sheet. The Proposal will be the basis for negotiating and ultimately signing the Contract with the selected Consultant.</p> <p>2.3 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.</p> <p>2.4 The Client 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.</p>
<p>3. Conflict of Interest</p>	<p>3.1 The Consultant is required to provide professional, objective, and impartial advice, at all times holding the Client's interests paramount, strictly avoiding conflicts with other assignments or its own corporate interests, and acting without any consideration for future work.</p> <p>The Consultant has an obligation to disclose to the Client any situation of actual or potential conflict that impacts its capacity to serve the best interest of its Client. Failure to disclose such situations may lead to the disqualification of the Consultant or the termination of its Contract and/or</p>



	<p>blacklisting by the Public Procurement Monitoring Office/DP. Without limitation on the generality of the foregoing, and unless stated otherwise in the Data Sheet, the Consultant shall not be hired under the circumstances set forth below:</p>
a. Conflicting activities	(i) <u>Conflict between consulting activities and procurement of goods, works or non-consulting services:</u> a firm that has been engaged by the Client to provide goods, works, or non-consulting services for a project, or any of its Affiliates, shall be disqualified from providing consulting services resulting from or directly related to those goods, works, or non-consulting services. Conversely, a firm hired to provide consulting services for the preparation or implementation of a project, or any of its Affiliates, shall be disqualified from subsequently providing goods or works or non-consulting services resulting from or directly related to the consulting services for such preparation or implementation.
b. Conflicting assignments	(ii) <u>Conflict among consulting assignments:</u> a Consultant (including its Experts and Sub-consultants) or any of its Affiliates shall not be hired for any assignment that, by its nature, may be in conflict with another assignment of the Consultant for the same or for another Client.
c. Conflicting relationships	(iii) <u>Relationship with the Client's staff:</u> a Consultant (including its Experts and Sub-consultants) that has a close business or family relationship with a professional staff of the Client or are directly or indirectly involved in any part of (i) the preparation of the Terms of Reference for the assignment, (ii) the selection process for the Contract, or (iii) the supervision of the Contract, may not be awarded a Contract.
4. Unfair Competitive Advantage	4.1 Fairness and transparency in the selection process require that the Consultants or their Affiliates competing for a specific assignment do not derive a competitive advantage from having provided consulting services related to the assignment in question. To that end, the Client shall indicate in the Data Sheet and make available to all shortlisted Consultants together with this RFP all information that would in that respect give such Consultant any unfair competitive advantage over competing Consultants.
5. Corrupt and Fraudulent Practices	<p>5.1 The GoN/DP requires compliance with its policy in regard to corrupt and fraudulent/prohibited practices as set forth in Section 6.</p> <p>5.2 In further pursuance of this policy, Consultant shall permit and shall cause its sub-consultants and sub-contractors to permit GoN/DP or its representatives to inspect the accounts, records and other documents relating to the submission of the Proposal and execution of the contract, in case of award, and to have the accounts and records audited by auditors appointed by the GoN/DP.</p> <p>5.3 Consultants shall be aware of the provisions on fraud and corruption stated in Clause GCC 10.1.</p>
6. Eligibility	6.1 The GoN/DP permits consultants (individuals and firms, including Joint Ventures and their individual members) from the eligible countries as



	<p>stated in Section 5 to offer consulting services for GoN/DP-financed projects.</p> <p>6.2 Furthermore, it is the Consultant's responsibility to ensure that its Experts, joint venture members, Sub-consultants, agents (declared or not), sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by the GoN/DP. Maximum number of partners in JV shall be Specified in Data sheet.</p> <p>6.3 As an exception to the foregoing Clauses 6.1 and 6.2 above:</p>
a. Sanctions	<p>6.3.1 In case of a natural person or firm/institution/company which is already declared blacklisted and ineligible by the GoN, any other new or existing firm/institution/company owned partially or fully by such Natural person or Owner or Board of director of blacklisted firm/institution/company; shall not be eligible consultant. The list of debarred firms and individuals is available at the electronic address specified in the Data Sheet.</p>
b. Prohibitions	<p>6.3.2 Firms and individuals shall have the nationality of an eligible countries as indicated in Section 5 (Eligible Countries) and:</p> <p>(a) as a matter of law or official regulations, Nepal prohibits commercial relations with that country; or</p> <p>(b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's Country prohibits any import of goods from that country or any payments to any country, person, or entity in that country.</p>
c. Restrictions for public employees	<p>6.3.3 Government officials and civil servants may only be hired under consulting contracts, either as individuals or as members of a team of a consulting firm, if permitted under GoN/DP policy, and their employment would not create a conflict of interest).</p>
B. Preparation of Proposals	
7. General Considerations	<p>7.1 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.</p>
8. Cost of Preparation of Proposal	<p>8.1 The Consultant shall bear all costs associated with the preparation and submission of its Proposal, and the Client shall not be responsible or liable for those costs, regardless of the conduct or outcome of the selection process. The Client is not bound to accept any proposal, and reserves the right to annul the selection process at any time prior to Contract award, without thereby incurring any liability to the Consultant.</p>
9. Language	<p>9.1 The Proposal, as well as all correspondence and documents relating to the Proposal exchanged between the Consultant and the Client, shall be written in the English language.</p>
10. Documents Comprising the	<p>10.1 The Proposal shall comprise the documents and forms listed in the Data Sheet.</p>



Proposal	10.2 The Consultant shall furnish information on commissions, gratuities and fees, if any, paid or to be paid to agents or any other party relating to this Proposal and, if awarded, Contract execution, as requested in the Financial Proposal submission form (Section 4).
11. Only One Proposal	11.1 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 .
12. Proposal Validity	12.1 The Data Sheet indicates the period during which the Consultant's Proposal must remain valid after the Proposal submission deadline. 12.2 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. 12.3 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 in accordance with Clause 5 of this ITC.
a. Extension of Validity Period	12.4 The Client will make its best effort to complete the negotiations within the proposal's validity period. However, should the need arise, the Client may request, in writing, all Consultants who submitted Proposals prior to the submission deadline to extend the Proposals' validity. 12.5 If the Consultant agrees to extend the validity of its Proposal, it shall be done without any change in the original Proposal and with the confirmation of the availability of the Key Experts. The Consultant shall not include any additional conditions against the provisions specified in RFP, while extending the validity of its Proposal. 12.6 The Consultant has the right to refuse to extend the validity of its Proposal in which case such Proposal will not be further evaluated.
b. Substitution of Key Experts at Validity Extension	12.7 If any of the Key Experts become unavailable for the extended validity period, the Consultant shall provide a written adequate justification and evidence satisfactory to the Client together with the substitution request. In such case, a replacement Key Expert shall have equal or better qualifications and experience than those of the originally proposed Key Expert. The technical evaluation score, however, will remain to be based on the evaluation of the CV of the original Key Expert. 12.8 If the Consultant fails to provide a replacement Key Expert with equal or better qualifications, or if the provided reasons for the replacement or justification are unacceptable to the Client, such Proposal will be rejected.



<p>c. Sub-Contracting</p>	<p>12.9 The Consultant shall not subcontract the whole of the Services unless otherwise indicated in the Data Sheet.</p>
<p>13. Clarification and Amendment of RFP</p>	<p>13.1 The Consultant may request a clarification of any part of the RFP during the period indicated in the Data Sheet before the Proposals' submission deadline. Any request for clarification must be sent in writing, or by standard electronic means, to the Client's address indicated in the Data Sheet. The Client will respond in writing, or by standard electronic means, and will send written copies of the response (including an explanation of the query but without identifying its source) to all shortlisted Consultants. Should the Client deem it necessary to amend the RFP as a result of a clarification, it shall do so following the procedure described below:</p> <p>13.1.1 At any time before the proposal submission deadline, the Client may amend the RFP by issuing an amendment in writing or by standard electronic means. The amendment shall be sent to all shortlisted Consultants and will be binding on them. The shortlisted Consultants shall acknowledge receipt of all amendments in writing.</p> <p>13.1.2 If the amendment is substantial, the Client may extend the proposal submission deadline to give the shortlisted Consultants reasonable time to take an amendment into account in their Proposals.</p> <p>13.1.3 The Consultant may submit a modified Proposal or a modification to any part of it at any time prior to the proposal submission deadline. No modifications to the Technical or Financial Proposal shall be accepted after the deadline.</p>
<p>14. Preparation of Proposals – Specific Considerations</p>	<p>14.1 While preparing the Proposal, the Consultant must give particular attention to the following:</p> <p>14.1.1 If a shortlisted Consultant considers that it may enhance its expertise for the assignment by associating with other consultants in the form of a Joint Venture or as Sub-consultants, it may do so with either (a) non-shortlisted Consultant(s), or (b) shortlisted Consultants if permitted in the Data Sheet. In all such cases a shortlisted Consultant must obtain the written approval of the Client prior to the submission of the Proposal. When associating with non-shortlisted firms in the form of a joint venture or a sub-consultancy, the shortlisted Consultant shall be a lead member.</p> <p>14.1.2 The Client may indicate in the Data Sheet the estimated Key Experts' time input (expressed in person-month) or the Client's estimated total cost of the assignment. This estimate is indicative and the Proposal shall be based on the Consultant's own estimates for the same.</p> <p>14.1.3 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.</p>



	14.1.4 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.
15. Technical Proposal Format and Content	15.1 The Technical Proposal shall not include any financial information. A Technical Proposal containing material financial information shall be declared non-responsive. 15.2 Only one curriculum vitae (CV) may be submitted for each key expert. If a technical proposal nominates more than one expert for a position, the Client will evaluate all CVs and apply the lowest score for the position.
16. Financial Proposal	16.1 The Financial Proposal shall be prepared using the Standard Forms provided in Section 4 of the RFP. It shall list all costs associated with the assignment, including (a) remuneration for Key Experts and Non-Key Experts, (b) other expenses, (c) provisional sums when applicable indicated in the Data Sheet .
a. Price Adjustment	16.2 For assignments with a duration exceeding 12 months, a price adjustment provision for foreign and/or local inflation for remuneration rates applies if so stated in the Data Sheet .
b. Taxes	16.3 The Consultant and its Sub-consultants and Experts are responsible for meeting all tax liabilities arising out of the Contract. Information on taxes in the Client's country is provided in the Data Sheet .
c. Currency of Proposal	16.4 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 Nepalese Rupees.
d. Currency of Payment	16.5 Payment under the Contract shall be made in the currency or currencies in which the payment is requested in the Proposal.
C. Submission, Opening and Evaluation	
17. Submission, Sealing, and Marking of Proposals	17.1 The Consultant shall submit a signed and complete Proposal comprising the documents and forms in accordance with Clause 10 (Documents Comprising Proposal). The submission can be done by mail or by hand. If specified in the Data Sheet , the Consultant has the option of submitting its Proposals electronically. 17.2 An authorized representative of the Consultant shall sign the original submission letters in the required format for both the Technical Proposal and, if applicable, the Financial Proposals and shall initial all pages of both. The authorization shall be in the form of a written power of attorney attached to the Technical Proposal. 17.3 A Proposal submitted by a Joint Venture shall be signed by all members so as to be legally binding on all members, or by an authorized representative who has a written power of attorney signed by each member's authorized representative. 17.4 Any modifications, revisions, interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing



	<p>the Proposal.</p> <p>17.5 The signed Proposal shall be marked “ORIGINAL”, and its copies marked “COPY” as appropriate. The number of copies is indicated in the Data Sheet. All copies shall be made from the signed original. If there are discrepancies between the original and the copies, the original shall prevail.</p> <p>17.6 The original and all the copies of the Technical Proposal shall be placed inside of a sealed envelope clearly marked “TECHNICAL PROPOSAL”, “[Name of the Assignment]”, reference number, name and address of the Consultant, and with a warning “DO NOT OPEN UNTIL [INSERT THE DATE AND THE TIME OF THE TECHNICAL PROPOSAL SUBMISSION DEADLINE].”</p> <p>17.7 Similarly, the original Financial Proposal (if required for the applicable selection method) shall be placed inside of a sealed envelope clearly marked “FINANCIAL PROPOSAL” followed by the name of the assignment, reference number, name and address of the Consultant, and with a warning “DO NOT OPEN WITH THE TECHNICAL PROPOSAL.”</p> <p>17.8 The sealed envelopes containing the Technical and Financial Proposals shall be placed into one outer envelope and sealed. This outer envelope shall bear the submission address, RFP reference number, the name of the assignment, Consultant’s name and the address, and shall be clearly marked “DO NOT OPEN BEFORE [insert the time and date of the submission deadline indicated in the Data Sheet]”.</p> <p>17.9 If the envelopes and packages with the Proposal are not sealed and marked as required, the Client will assume no responsibility for the misplacement, loss, or premature opening of the Proposal. For QCBS, FBS and LCS, if the Technical and Financial Proposals are not submitted in separate sealed envelopes as required, the Client shall reject the Proposal.</p> <p>17.10 The Proposal or its modifications must be sent to the address indicated in the Data Sheet and received by the Client no later than the deadline indicated in the Data Sheet, or any extension to this deadline. Any Proposal or its modification received by the Client after the deadline shall be declared late and rejected, and promptly returned unopened.</p>
<p>18. Confidentiality</p>	<p>18.1 From the time the Proposals are opened to the time the Contract is awarded, the Consultant should not contact the Client on any matter related to its Technical and/or Financial Proposal. Information relating to the evaluation of Proposals and award recommendations shall not be disclosed to the Consultants who submitted the Proposals or to any other party not officially concerned with the process, until the letter of intent to accept the proposal has been issued to the selected Consultant.</p> <p>18.2 Any attempt by shortlisted Consultants or anyone on behalf of the Consultant to influence improperly the Client in the evaluation of the Proposals or Contract award decisions may result in the rejection of its Proposal, and may be subject to the application of prevailing PPMO’s blacklisting procedures.</p>



	<p>18.3 Notwithstanding the above provisions, from the time of the Proposals' opening to the time of issuance of notification for opening of financial proposal or the Letter of Intent, if a Consultant wishes to contact the Client on any matter related to the selection process, it should do so only in writing.</p>
<p>19. Opening of Technical Proposals</p>	<p>19.1 The Client's evaluation committee shall conduct the opening of the Technical Proposals in the presence of the shortlisted Consultants' authorized representatives who choose to attend. The opening date, time and the address are stated in the Data Sheet. The envelopes with the Financial Proposal shall remain sealed and shall be securely stored until they are opened in accordance with Clause 23 of the ITC.</p> <p>19.2 At the opening of the Technical Proposals the following shall be read out: (i) the name and the country of the Consultant or, in case of a Joint Venture, the name of the Joint Venture, the name of the lead member and the names and the countries of all members; (ii) the presence or absence of a duly sealed envelope with the Financial Proposal; (iii) any modifications to the Proposal submitted prior to proposal submission deadline; and (iv) any other information deemed appropriate or as indicated in the Data Sheet.</p>
<p>20. Proposals Evaluation</p>	<p>20.1 Subject to provision of Clause 15.1 of the ITC, the evaluators of the Technical Proposals shall have no access to the Financial Proposals until the technical evaluation is concluded and the DP issues its "no objection", if applicable.</p> <p>20.2 The Consultant is not permitted to alter or modify its Proposal in any way after the proposal submission deadline except as permitted under Clause 12.7 of this ITC. While evaluating the Proposals, the Client will conduct the evaluation solely on the basis of the submitted Technical and Financial Proposals.</p>
<p>21. Evaluation of Technical Proposals</p>	<p>21.1 The Client'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. The evaluation committee shall compute the score obtained by each proposal by taking the average of the scores given by each member of the evaluation committee to the proposal. 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.</p> <p>21.2 Proposed experts, involved in the firms' work in hand will not be considered for evaluation to the extent of this involvement in the ongoing assignment.</p> <p>21.3 In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such firm's or JV proposal shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.</p>
<p>22. Financial</p>	<p>22.1 Following the ranking of the Technical Proposals, when the selection</p>



<p>Proposals for QBS</p>	<p>is based on quality only (QBS), the top-ranked Consultant is invited to negotiate the Contract.</p> <p>22.2 If Financial Proposals were invited together with the Technical Proposals, only the Financial Proposal of the technically top-ranked Consultant is opened by the Client's evaluation committee. All other Financial Proposals are returned unopened after the Contract negotiations are successfully concluded and the Contract is signed.</p> <p>22.3 In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such firm's or JV proposal shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.</p>
<p>23. Public Opening of Financial Proposals (for QCBS, FBS, and LCS methods)</p>	<p>23.1 After the technical evaluation is completed <i>and the DP has issued its no objection (if applicable)</i>, the Client shall notify those Consultants whose Proposals were considered non-responsive to the RFP and TOR or did not meet the minimum qualifying technical score (and shall provide information relating to the Consultant's overall technical score) that their Financial Proposals will be returned unopened after completing the selection process and Contract signing. The Client shall simultaneously notify in writing those Consultants that have achieved the minimum overall technical score and inform them of the date, time and location for the opening of the Financial Proposals. The opening date should be at least 7 days for national shortlisting and 15 days for international shortlisting for attending the opening. The Consultant's attendance at the opening of the Financial Proposals is optional and is at the Consultant's choice.</p> <p>23.2 The Financial Proposals shall be opened by the Client's evaluation committee in the presence of the representatives of those Consultants whose proposals have passed the minimum technical score. At the opening, the names of the Consultants, and the overall technical scores, shall be read aloud. The Financial Proposals will then be inspected to confirm that they have remained sealed and unopened.</p> <p>These Financial Proposals shall be then opened, and the following information will be recorded:</p> <ul style="list-style-type: none"> (a) Name and address , (b) Proposed service charge, (c) Discount offered, if any; (d) Description of the discrepancies, if any, between figure and words, (e) Whether the financial proposal is signed or not by authorized representative of consultant, (f) If any matter or content of the financial proposal is effaced whether such efface is signed by the consultant or his/her representative or not and the details of the amount and the content effaced, (g) Other necessary matters considered appropriate by the Public Entity <p>23.3 In Case, a corruption case is being filed to Court against the</p>



	Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such firm's or JV proposal shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.
24. Correction of Errors	24.1 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.
a. Time-Based Contracts	24.1.1 If a Time-Based contract form is included in the RFP, the Client's evaluation committee will (a) correct any computational or arithmetical errors, (b) adjust the discount offered, if any, 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 Client'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.
b. Lump-Sum Contracts	24.2 If a Lump-Sum contract form is included in the RFP, the Consultant is deemed to have included all prices in the Financial Proposal, so neither arithmetical corrections nor price adjustments shall be made. The total price, net of taxes understood as per Clause ITC 25 below, specified in the Financial Proposal (Form FIN-1) shall be considered as the offered price.
25. Taxes	25.1 Except as set out in Sub-clause 25.2, all taxes are deemed included in the Consultant's Financial proposal, and, therefore, included in the evaluation. 25.2 Except for VAT, all taxes levied and imposed on the contract invoices and any tax liabilities arising from the Contract under the laws of Nepal are deemed included in the Consultant's Financial Proposal and, hence, included in the evaluation. Information on the Consultant's tax obligations in Nepal can be found as indicated in Clause 16.3 of the Data Sheet.
26. Conversion to Single Currency	26.1 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 .
27. Combined Quality and Cost Evaluation	
a. Quality- and Cost-Based Selection (QCBS)	27.1 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.
b. Fixed-Budget Selection (FBS)	<p>27.2 In the case of FBS, those Proposals that exceed the budget indicated in Clause 14.1.4 of the Data Sheet shall be rejected.</p> <p>27.3 The Client 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.</p>
c. Least-Cost Selection (LCS)	27.4 In the case of Least-Cost Selection (LCS), the Client will select the Consultant with the lowest evaluated total price among those consultants that achieved the minimum technical score, and invite such Consultant to negotiate the Contract.
D. Negotiations and Award	
28. Negotiations	<p>28.1 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.</p> <p>28.2 The Client shall prepare minutes of negotiations that are signed by the Client and the Consultant’s authorized representative.</p> <p>28.3 The date, time and address for the negotiations will be advised in writing by the client. The notification period shall be at least 15 days for international selection and 7 days for national selection.</p>
a. Availability of Key Experts	<p>28.3 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 Clause 12 of the ITC. Failure to confirm the Key Experts’ availability may result in the rejection of the Consultant’s Proposal and the Client proceeding to negotiate the Contract with the next-ranked Consultant.</p> <p>28.4 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.</p>
b. Technical negotiations	28.5 The negotiations include discussions of the Terms of Reference (TORs), the proposed methodology, the Client’s inputs, the special conditions of the Contract, and finalizing the “Description of Services” part of the Contract. These discussions shall not substantially alter the original scope of services under the TOR or the terms of the contract, lest the quality of the final product, its price, or the relevance of the initial evaluation be affected.
c. Financial negotiations	<p>28.6 In the case of a Time-Based contract, where cost is a factor in the evaluation, unit rates negotiations for remuneration shall not take place. However, there may be negotiation on reimbursable expenses.</p> <p>28.7 If the selection method included cost as a factor in the evaluation, the</p>



	<p>total price stated in the Financial Proposal for a Lump-Sum contract shall not be negotiated.</p> <p>28.8 The format for (i) providing information on remuneration rates in the case of Quality Based Selection is provided in Appendix A to the Financial Form FIN-3:Financial Negotiations – Breakdown of Remuneration Rates.</p>
<p>29. Conclusion of Negotiations</p>	<p>29.1 The negotiations are concluded with a review of the finalized draft Contract, which then shall be initiated by the Client and the Consultant's authorized representative.</p> <p>29.2 If the negotiations fail, the Client shall inform the Consultant in writing of all pending issues and disagreements and provide a final opportunity to the Consultant to respond. If disagreement persists, the Client shall terminate the negotiations informing the Consultant of the reasons for doing so. The Client will invite the next-ranked Consultant to negotiate a Contract. Once the Client commences negotiations with the next-ranked Consultant, the Client shall not reopen the earlier negotiations.</p>
<p>30. Award of Contract</p>	<p>30.1 Pursuant to Clause 29.1 of this ITC, the consultant, with whom agreement is reached following negotiation, shall be selected for approval of his proposal and the Client shall notify its' intention to accept the proposal to the selected consultant and other short-listed consultants within 7 days of selection of the winning proposal.</p> <p>30.2 If the review application is not received by the Client pursuant to Clause 31.2 of this ITC then the proposal of the Consultant, selected as per Clause 30.1 of this ITC shall be accepted and the successful consultant shall be notified to come for signing the Agreement within 15 days.</p> <p>30.3 If the Consultant fails to sign an agreement pursuant to Clause 30.2 of this ITC then the Client will invite the consultant whose proposal received the next highest score to negotiate a contract.</p> <p>30.4 The Consultant is expected to commence the assignment on the date and at the location specified in the Data Sheet.</p> <p>30.5 In Case, a corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such firm's or JV proposal shall be excluded from the evaluation, if public entity receives instruction from Government of Nepal.</p>
<p>31. Request for Information/ Complaints</p>	<p>31.1 A consultant, who has been informed that its technical proposal has been considered non-responsive to the RFP and TOR or did not meet the minimum qualifying technical score, may request the Client to provide the technical score obtained by him and the reason for not being able to qualify. The Client shall provide the information within 5 days of receiving such request. If the applicant is not satisfied with the decision given by the procuring entity and/or the decision is not given by the Procuring Entity within 5 days, then the applicant can file a complaint to the Review Committee within 7 days. The Applicant filing</p>



	<p>application for review shall have to furnish a cash amount or bank guarantee from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law equivalent to the amount specified in the Data Sheet with the validity period of at least ninety days from the date of filing of application.</p> <p>In case of letter of intent after evaluation of financial proposal if the applicant is not satisfied with the decision given by the procuring entity and/or the decision is not given by the Procuring Entity within 5 days, then the applicant can file a complaint to the Review Committee within 7 days. The Applicant filing application for review shall have to furnish a cash amount or bank guarantee from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law equivalent to the 1% of Financial Proposal with the validity period of at least ninety days from the date of filing of application.</p> <p>31.2 Any consultant, who has submitted a proposal and is not satisfied with the procurement process or Client’s decision provided as per Clause 30.1 of this ITC and believes that the Client has committed an error or breach of duty which has or will result in loss to him then the consultant may give an application for review of the decision to the Client with reference to the error or breach of duty committed by the Client. The review application should be given within 7 days of receipt of information regarding the issue of letter by the Client notifying its intention to accept the winning proposal pursuant to Clause 30.1 of this ITC.</p> <p>31.3 If a review application is received by the Client pursuant to Clause 31.2 of this ITC then the Client will clarify and respond within 5 days of receiving such application.</p> <p>31.4 If the applicant is not satisfied with the decision given by the procuring entity and/or the decision is not given by the Procuring Entity within 5 days, then the applicant can file a complaint to the Review Committee within 7 days.</p> <p>31.5 If a complaint has been lodged to the client, the client shall put on hold the awarding process for 7 days period provided to lodge a complaint to the review committee.</p>
<p>32. Conduct of Consultants</p>	<p>32.1 The Consultant shall be responsible to fulfil his obligations as per the requirement of the Contract Agreement, RFP documents and Public Procurement Act and Regulations.</p> <p>32.2 The consultant shall not carry out or cause to carry out the following acts with an intention to influence the implementation of the procurement process or the Contract Agreement:</p> <ol style="list-style-type: none"> give or propose improper inducement directly or indirectly, distortion or misrepresentation of facts engaging or being involved in corrupt or fraudulent practice interference in participation of other prospective bidders. coercion or threatening directly or indirectly to impair or harm, any party or the property of the party involved in the procurement



	<p>proceedings,</p> <p>g. collusive practice among consultants before or after submission of proposals for distribution of works among consultants or fixing artificial/uncompetitive proposal price with an intention to deprive the Client the benefit of open competitive proposal price.</p> <p>h. contacting the Client with an intention to influence the Client with regards to the proposals or interference of any kind in examination and evaluation of the proposals during the period after opening of proposals up to the notification of award of contract</p>
<p>33. Blacklisting</p>	<p>33.1 Without prejudice to any other rights of the client under this Contract , the Public Procurement Monitoring Office may blacklist a Consultant for his conduct up to three years on the following grounds and seriousness of the act committed by the consultant:</p> <p>a) if it is proved that the consultant committed acts pursuant to the Clause 32.2 of the ITC,</p> <p>b) if the consultant fails to sign an agreement pursuant to Clause 30.2 of the ITC,</p> <p>c) if it is proved later that the consultant has committed substantial defect in implementation of the contract or has not substantially fulfilled his obligations under the contract or the completed assignment is not of the specified quality as per the contract,</p> <p>d) if convicted by a court of law in a criminal offence which disqualifies the firm from participating in the contract.</p> <p>e) if it is proved that the contract agreement signed by the Consultant was based on false or misrepresentation of consultant’s qualification information,</p> <p>f) if the consultant fails to submit the professional liability insurance within the period stipulated in the contract.</p> <p>33.2 A Consultant declared blacklisted and ineligible by the GoN, Public Procurement Monitoring Office (PPMO) and/or DP Development Partner in case of DP funded project, shall be ineligible to participate or to be awarded a contract during the period of time determined by the GoN, PPMO and/or the DP Development Partner.</p> <p>The list of debarred firms is available at the electronic address specified in the Data Sheet.</p>



E. Data Sheet

A. General	
ITC Clause Reference	
1(i)	Development Partner (DP) is: None
1(k) (definitions)	International experts mean experts who are citizens of an eligible country. National experts mean experts who are citizens of Nepal. Nationals who possess the appropriate international experience may be considered for assignments that require international expertise. The international experience that is required for a particular assignment will be defined and described in the pertinent TOR.
2.1	Name of the Client: NEA Engineering Company Ltd Method of selection: Quality and Cost Based Selection (QCBS)
2.2	Financial Proposal to be submitted together with Technical Proposal: Yes The name of the assignment is: LiDAR Survey of 400 kV Transmission Line from Butwal to Lamahi
2.3	A pre-proposal conference will be held: No
2.4	The Client will provide the following inputs, project data, reports, etc. to facilitate the preparation of the Proposals: Please refer to Section 7, TOR
4.1	[If “Unfair Competitive Advantage” applies to the selection, explain how it is mitigated, including listing the reports, information, documents, etc. and indicating the sources where these can be downloaded or obtained by the shortlisted Consultants]
6.2	Maximum number of partners in JV shall be: 3 (three) .
6.3.1	A list of debarred firms and individuals is available at the following website http://ppmo.gov.np



B. Preparation of Proposals	
10.1	<p>The Proposal shall comprise the following:</p> <p>1st Inner Envelope with the Technical Proposal:</p> <ul style="list-style-type: none">(1) Power of Attorney to sign the Proposal(2) Proof of Legal Status and Eligibility(3) TECH-1(4) TECH-2(5) TECH-3(6) TECH-4(7) TECH-5(8) TECH-6(9) TECH-7 <p>AND</p> <p>2nd Inner Envelope with the Financial Proposal (if applicable):</p> <ul style="list-style-type: none">(1) FIN-1(2) FIN-2(3) FIN-3(4) FIN-4 <p>Proof of legal status establish Consultant's legal capacity to enter into binding and enforceable contracts and may be supported by:</p> <ul style="list-style-type: none">• Certificate of incorporation.
11.1	<p>Participation of Sub-consultants, Key Experts and Non-Key Experts in more than one Proposal is permissible</p> <p>No</p>
12.1	<p>Proposals must remain valid for 90 (Ninety) days calendar days after the proposal submission deadline.</p>
12.9	<p>Sub-contracting is allowed for the proposed assignment</p> <p>No</p>
13.1	<p>Clarifications may be requested no later than 7 (Seven) days prior to the submission deadline.</p> <p>The contact information for requesting clarifications is:</p> <p>Chirantan Bikram Rana Team leader 01-5111024 Email: chirantan.rana@neaec.com.np</p>



14.1.1	<p>Shortlisted Consultants may associate with</p> <p>(a) non-shortlisted consultant(s): No, Or</p> <p>(b) other shortlisted Consultants: No</p>
14.1.2	<p>Estimated input of international Key Experts' time-input: Not applicable</p> <p>Estimated input of national Key Experts' time-input: Not applicable</p>
14.1.3 for time-based contracts only	<p>Not applicable</p>
14.1.4 and 27.2 use for Fixed Budget method	<p>Not applicable</p>
16.1	<p>Not applicable</p>
16.2	<p>A price adjustment provision applies to remuneration rates: No</p>
16.3	<p>"Information on the Consultant's tax obligations in Nepal can be found at the Inland Revenue Department website: www.ird.gov.np."</p>
16.4	<p>The Financial Proposal shall be stated in the following currencies:</p> <p>The Financial Proposal should state local costs in Nepalese Rupees</p>
<p>C. Submission, Opening and Evaluation</p>	
17.1	<p>The Consultants shall not have the option of submitting their Proposals electronically.</p> <p>The electronic submission procedures shall be: Not Applicable</p>
17.5	<p>The Consultant must submit:</p> <p>(a) Technical Proposal: one (1) original copy and</p>



	(b) Financial Proposal: one (1) original copy.									
17.8	<p>The Proposals must be received at the address below no later than:</p> <p>Date: November 20, 2023 Time: 12:00 Hrs local time The Proposal submission address is: 2nd Floor, Trade Tower, Thapathali, Kathmandu</p>									
19.1	<p>An online option of the opening of the Technical Proposals is offered: No The opening shall take place at: 2nd Floor, Trade Tower, Thapathali, Kathmandu</p> <p>Date: November 20, 2023 Time: 14:00 Hrs local time</p>									
19.2	<p>In addition, the following information will be read aloud at the opening of the Technical Proposals: Confirmation that invitation to submit proposal was not transferred to another party.</p>									
21.1	<p>The evaluation criteria, sub-criteria, and point system for the evaluation are:</p> <p style="text-align: center;"><u>Points</u></p> <p>(i) Specific experience of the consultants (as a firm) related to the assignment</p> <p style="text-align: right;">25</p> <table border="1" style="width: 100%;"> <tr> <td style="width: 5%;">a.</td> <td style="width: 85%;">The consultant shall have carried out at least 3 national/ international projects in the last 7 years specially of survey works using LiDAR. Preferably for transmission Line projects.</td> <td style="width: 10%; text-align: center;">5</td> </tr> <tr> <td>b.</td> <td>The consultant must have carried out LiDAR Survey in at least minimum of 2 national projects within last 3 years where one of the projects must be transmission line greater than 40 km or area greater than 2000 Hectare.</td> <td style="text-align: center;">10</td> </tr> <tr> <td>c.</td> <td>The minimum covered area must be 5000 Hectare. Preferably for Transmission Line projects or Hydropower Projects.</td> <td style="text-align: center;">10</td> </tr> </table> <p>(ii) Adequacy of the proposed work plan and methodology in responding to the Terms of Reference</p> <p style="text-align: right;">[20]</p>	a.	The consultant shall have carried out at least 3 national/ international projects in the last 7 years specially of survey works using LiDAR. Preferably for transmission Line projects.	5	b.	The consultant must have carried out LiDAR Survey in at least minimum of 2 national projects within last 3 years where one of the projects must be transmission line greater than 40 km or area greater than 2000 Hectare.	10	c.	The minimum covered area must be 5000 Hectare. Preferably for Transmission Line projects or Hydropower Projects.	10
a.	The consultant shall have carried out at least 3 national/ international projects in the last 7 years specially of survey works using LiDAR. Preferably for transmission Line projects.	5								
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a	Understanding of Objective of Study, Scope of Work.	5
b	Approach and Methodology (Detailing of approach and Methodology and sequencing of major activities)	10
c	Work plan (Detailing and Sequencing of major activities)/team composition)	5

(iii) Qualifications and Experience of the key staff for the Assignment
[50]

The number of points to be given to each of the above position of key staff shall be determined considering the following three sub-criteria and relevant percentage weights:

S.N.	Purposed position	Points
1.	Team leader (one)	10
a.	General qualification <ul style="list-style-type: none"> Master's Degree in Geomatics engineering / Geoinformatics or GIS and Remote sensing or Geography with focus on GIS and Remote Sensing, Photogrammetric, LiDAR, Preferable Ph.D.in one of the above-mentioned subjects. 	3
b	Experience <ul style="list-style-type: none"> At least minimum of 5 years of experience in related field. At least four (4) projects of relevant work experience in related field (Experience in LiDAR Survey of Transmission Line Survey/Hydropower projects). After completion of Basic Degree. 	3 3
c	Experience in similar terrain (Similar works at least 2 projects), Preferably for Transmission Line Survey 132kV/220kV/400kV/hydropower project using LiDAR	1
Total Marks		10
2 .	Senior Surveyor/Geomatics Engineer (one)	10
a	General qualification Having Completed At least Senior Surveying Course (or equivalent to senior surveying Course)/or B.E. in Geomatics Engineering/Survey engineering	3
b.	Experience <ul style="list-style-type: none"> At least minimum of 4 years of experience in related field. At least four (4) projects of relevant work experience in LiDAR 	3 3



	Survey (Experience in LiDAR Survey of Transmission Line Survey/Hydropower projects). After completion of Basic Degree	
c.	Experience in similar terrain (Similar works at least 1 project) . Preferably in Transmission Line 132kV/220kV/400kV/Hydropower Projects using LiDAR	1
Total Marks		10
3.	<i>LiDAR Data acquisition Expert: One</i>	15
a	<i>General qualification</i> <ul style="list-style-type: none"> ▪ At least having BE in geomatics engineering preferable master's Degree with GIS/RS included and studied in course. 	4.5
b	<i>Experience</i> <ul style="list-style-type: none"> ▪ At least minimum of 4 years of experience in LiDAR Data Acquisition. ▪ At least three (3) projects of relevant work experience in LiDAR Data Acquisition (Experience in LiDAR Survey of Transmission Line Survey/Hydropower projects). After completion of Basic Degree 	4 5
	Experience in similar terrain (Similar works at least 1 project). Preferably in LiDAR Data Acquisition of Transmission Line 132kV/220kV/400kV/ /Hydropower Projects using LiDAR	1.5
Total Marks		15
4.	<i>LiDAR Data Processing Expert: One</i>	15
a	General Qualification At least having BE in geomatics engineering preferable master's Degree with GIS/RS included and studied in course	4.5
b	<i>Experience</i> <ul style="list-style-type: none"> ▪ At least minimum of 4 years of experience in LiDAR Data Processing. ▪ At least three (3) projects of relevant work experience in LiDAR Data Processing (Experience in LiDAR Data Processing of Transmission Line Survey/Hydropower projects). After completion of Basic Degree 	4 5
c	Experience in similar terrain (Similar works at least 1 project). Preferably in LiDAR Data Processing of Transmission Line 132kV/220kV/400kV/ /Hydropower Projects using LiDAR	1.5
Total Marks		15



	(iv) Suitability of the transfer of knowledge program or training [5]												
	<table border="1"> <thead> <tr> <th>S.N.</th> <th>Description</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>Training No.> 20 Person</td> <td>5 Points</td> </tr> <tr> <td>ii</td> <td>Training No. 20 to 10 Person</td> <td>3 Points</td> </tr> <tr> <td>iii</td> <td>Training No.< 10 Person</td> <td>2 Points</td> </tr> </tbody> </table> <p>Note: The consultant must present the proof of the previously conducted training for claiming the marks related to technology transfer</p> <p>The minimum technical score (St) required to pass is 70 Points</p>	S.N.	Description	Points	I	Training No.> 20 Person	5 Points	ii	Training No. 20 to 10 Person	3 Points	iii	Training No.< 10 Person	2 Points
S.N.	Description	Points											
I	Training No.> 20 Person	5 Points											
ii	Training No. 20 to 10 Person	3 Points											
iii	Training No.< 10 Person	2 Points											
23.1	An online option of the opening of the Financial Proposals is offered: No												
23.1 and 23.2	The Client will read aloud only overall technical scores.												
26.1	The single currency for the conversion of all prices expressed in various currencies into a single one is Nepali Rupees.												
27.1 [a. QCBS only]	<p>The lowest evaluated Financial Proposal (Fm) is given the maximum financial score (Sf) of 100.</p> <p>The formula for determining the financial scores (Sf) of all other Proposals is calculated as following:</p> <p>Sf = 100 x Fm/ F, in which “Sf” is the financial score, “Fm” is the lowest price, and “F” is the price of the proposal under consideration.</p> <p>The weights given to the Technical (T) and Financial (P) Proposals are: T = 70 and P =30</p> <p>Proposals are ranked according to their combined technical (St) and financial (Sf) scores using the weights (T = the weight given to the Technical Proposal; P = the weight given to the Financial Proposal; T + P = 1) as following: S = St x T% + Sf x P%.</p>												



D. Negotiations and Award	
28.1	Expected date and address for contract negotiations: Date: _____ day/month/year [insert realistic date] Address: _____
30.4	Expected date for the commencement of the Services: Date: December 10, 2023
31.1	The Applicant shall furnish a cash amount or a bank guarantee from Commercial Bank or Financial Institution eligible to issue Bank Guarantee as per prevailing Law with an amount of 59,000.00 (Fifty-Nine Thousand Rupees Only)
33.2	A list of blacklisted firms is available at the PPMO's website http://www.ppmo.gov.np



Section 3. Technical Proposal – Standard Forms

FORM TECH-1

TECHNICAL PROPOSAL SUBMISSION FORM

{Location, Date}

To:
NEA Engineering Company Limited
2nd Floor Trade Tower Thapathali Kathmandu, Nepal

Dear Sirs:

We, the undersigned, offer to provide the consulting services for LiDAR Survey of 400 kV Transmission Line from Butwal to Lamahi in accordance with your Request for Proposals dated October 20, 2023 and our Proposal. [Select appropriate wording depending on the selection method stated in the RFP: “We are hereby submitting our Proposal, which includes this Technical Proposal and a Financial Proposal sealed in a separate envelope” or, if only a Technical Proposal is invited “We hereby are submitting our Proposal, which includes this Technical Proposal only in a sealed envelope.”].

{If the Consultant is a joint venture, insert the following: We are submitting our Proposal in a joint venture with: {Insert a list with full name and the legal address of each member, and indicate the lead member}. We have attached a copy {insert: “of our letter of intent to form a joint venture” or, if a JV is already formed, “of the JV agreement”} signed by every participating member, which details the likely legal structure of and the confirmation of joint and severable liability of the members of the said joint venture.

OR

If the Consultant’s Proposal includes Sub-consultants, insert the following: We are submitting our Proposal with the following firms as Sub-consultants: {Insert a list with full name and country of each Sub-consultant.}

We hereby declare that:

- (a) All the information and statements made in this Proposal are true and we accept that any misinterpretation or misrepresentation contained in this Proposal may lead to our disqualification by the Client and/or may be blacklisted by the PPMO.
- (b) Our Proposal shall be valid and remain binding upon us for the period of time specified in the Data Sheet, Clause 12.1.
- (c) We have no conflict of interest in accordance with ITC 3 and we have not been punished for an offense relating to the concerned profession or business.



- (d) We meet the eligibility requirements as stated in ITC 6.
- (e) Neither we, nor our JV/associate partners/ sub-consultants or any of the proposed experts prepared the TOR for this consulting assignment.
- (f) Except as stated in the Data Sheet, Clause 12.1, we undertake to negotiate a Contract on the basis of the proposed Key Experts. We accept that the substitution of Key Experts for reasons other than those stated in ITC Clause 12 and ITC Clause 28.4 may lead to the termination of Contract negotiations.
- (g) Our Proposal is binding upon us and subject to any modifications resulting from the Contract negotiations.
- (h) In competing for (and, if the award is made to us, in executing) the Contract, we undertake to observe the laws against fraud and corruption, including bribery, in force in the country of the Client.

We undertake, if our Proposal is accepted and the Contract is signed, to initiate the Services related to the assignment no later than the date indicated in Clause 30.4 of the Data Sheet.

We understand that the Client is not bound to accept any Proposal that the Client receives.

We remain,

Yours sincerely,

Authorized Signature {In full and initials}: _____

Name and Title of Signatory: _____

Name of Consultant (company's name or JV's name): _____

In the capacity of: _____

Address: _____

Contact information (phone and e-mail): _____

{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}



FORM TECH-2

CONSULTANT'S ORGANIZATION AND EXPERIENCE

Form TECH-2: a brief description of the Consultant's organization and an outline of the recent experience of the Consultant that is most relevant to the assignment. In the case of a joint venture, information on similar assignments shall be provided for each partner. For each assignment, the outline should indicate the names of the Consultant's Key Experts and Sub-consultants who participated, the duration of the assignment, the contract amount (total and, if it was done in a form of a joint venture or a sub-consultancy, the amount paid to the Consultant), and the Consultant's role/involvement.

A - Consultant's Organization

1. Provide here a brief description of the background and organization of your company, and – in case of a joint venture – of each member for this assignment.

B - Consultant's Experience

1. List only previous similar assignments successfully completed in the last 7 (Seven) years.
2. List only those assignments for which the Consultant was legally contracted by the Client as a company or was one of the joint venture partners. Assignments completed by the Consultant's individual experts working privately or through other consulting firms cannot be claimed as the relevant experience of the Consultant, or that of the Consultant's partners or sub-consultants, but can be claimed by the Experts themselves in their CVs. The Consultant should be prepared to substantiate the claimed experience by presenting copies of relevant documents and references if so requested by the Client.



Using the format below, provide information on each assignment for which your Consultant/entity, either individually as a corporate entity or as one of the major companies within an association, was legally contracted.

Assignment Name:		Country:
Location within Country:		Professional Staff Provided by Your Consultant/Entity(profiles):
Name of Client:		No. of Staff:
Address:		No. of Staff-Months; Duration of Assignment:
Start Date (Month/Year):	Completion Date (Month/Year):	Approx. Value of Services Proposal National level :NRs International Level: (in Current US\$):
Name of Associated Consultants, If Any:		No. of Months of Professional Staff Provided by Associated Consultants:
Name of Senior Staff and Designation (Project Director/Coordinator, Team Leader etc.) Involved and Functions Performed:		
Narrative Description of Project :(Actual assignment, nature of activities performed and location)		
Description of Actual Services Provided by Your Staff:		

Consultant's Name: _____



FORM TECH-3

COMMENTS AND SUGGESTIONS ON THE TERMS OF REFERENCE, COUNTERPART STAFF, AND FACILITIES TO BE PROVIDED BY THE CLIENT

Form TECH-3: comments and suggestions on the Terms of Reference that could improve the quality/effectiveness of the assignment; and on requirements for counterpart staff and facilities, which are provided by the Client, including: administrative support, office space, local transportation, equipment, data, etc.

A - On the Terms of Reference

{improvements to the Terms of Reference, if any}

B - On Counterpart Staff and Facilities

{Include comments on counterpart staff and facilities to be provided by the Client. For example, administrative support, office space, local transportation, equipment, data, background reports, etc., if any}



FORM TECH-4

DESCRIPTION OF THE METHODOLOGY AND WORK PLAN IN RESPONDING TO THE TERMS OF REFERENCE

Form TECH-4: a description of the methodology and work plan for performing the assignment, including a detailed description of the proposed methodology and staffing for training, if the Terms of Reference specify training as a specific component of the assignment.

{Suggested structure of your Technical Proposal:

- a) Technical Approach and Methodology
- b) Work Plan
- c) Organization and Staffing}

- a) **Technical Approach and Methodology.**{Please explain your understanding of the objectives of the assignment as outlined in the Terms of Reference (TORs), the technical approach, and the methodology you would adopt for implementing the tasks to deliver the expected output(s), and the degree of detail of such output.Please do not repeat/copy the TORs in here.}
- b) **Work Plan.**{Please outline the plan for the implementation of the main activities/tasks of the assignment, their content and duration, phasing and interrelations, milestones (including interim approvals by the Client), and tentative delivery dates of the reports. The proposed work plan should be consistent with the technical approach and methodology, showing your understanding of the TOR and ability to translate them into a feasible working plan. A list of the final documents(including reports) to be delivered as final output(s) should be included here. The work plan should be consistent with the Work Schedule Form.}
- c) **Organization and Staffing.**{Please describe the structure and composition of your team, including the list of the Key Experts and relevant technical and administrative support staff.}



FORM TECH-5

WORK SCHEDULE AND PLANNING FOR DELIVERABLES

N°	Deliverables ¹ (D-..)	Months												
		1	2	3	4	5	6	7	8	9	n	TOTAL	
D-1	{e.g., Deliverable #1: Report A													
	1) data collection													
	2) drafting													
	3) inception report													
	4) incorporating comments													
	5).....													
	6) delivery of final report to Client}													
D-2	{e.g., Deliverable #2:.....}													
n														

- 1 List the deliverables with the breakdown for activities required to produce them and other benchmarks such as the Client's approvals. For phased assignments, indicate the activities, delivery of reports, and benchmarks separately for each phase.
- 2 Duration of activities shall be indicated in a form of a bar chart.
3. Include a legend, if necessary, to help read the chart.



**FORM TECH-6
 TEAM COMPOSITION, ASSIGNMENT, AND KEY EXPERTS' INPUTS**

N ^o	Name, Nationality and DOB	Expert's input (in person/month) per each Deliverable (listed in TECH-5)										Total time-input (in Months)			
		Position		D-1		D-2		D-3	D-...			Home	Field	Total
KEY EXPERTS															
International															
K-1	{e.g., Mr. Abbbb, PAK, 15.06.1954}	[Team Leader]	[Home]	[2 month]	[1.0]	[1.0]									
			[Field]	[0.5 m]	[2.5]	[0]									
K-2	e.g., Mr. Xxyyy, USA, 20.04.1969}														
K-3															
National															
n															
												Subtotal			
NON-KEY EXPERTS															
N-1			[Home]												
			[Field]												
N-2															
n															
												Subtotal			
												Total			



- 1 For Key Experts, the input should be indicated individually for the same positions as required under the Data Sheet ITC21.1.
- 2 Months are counted from the start of the assignment/mobilization. 3 “Home” means work in the office in the expert’s place of residence.
“Field” work means work carried out in the site.

 Full time input
 Part time input



FORM TECH-7

CURRICULUM VITAE (CV)

Position Title and No.	{e.g., K-1, TEAM LEADER}
Name of Firm	<i>Insert name of firm proposing the expert</i>
Name of Expert:	{Insert full name}
Date of Birth:	{day/month/year}
Citizenship	

Education: {List college/university or other specialized education, giving names of educational institutions, dates attended, degree(s)/diploma(s) obtained}

Employment record relevant to the assignment: {Starting with present position, list in reverse order. Please provide dates, name of employing organization, titles of positions held, type of employment (full time, part time, contractual), types of activities performed and location of the assignment, and contact information of previous clients and employing organization(s) who can be contacted for references. Past employment that is not relevant to the assignment does not need to be included.}

Period	Employing organization and your title/position. Contact information for references	Country	Summary of activities performed relevant to the Assignment
[e.g., May 2005-present]	[e.g., Ministry of, advisor/consultant to... For references: Tel...../e-mail.....; Mr. Bbbbbb, deputy minister]		

Membership in Professional Associations and Publications:

Language Skills (indicate only languages in which you can work): _____

Adequacy for the Assignment:

Detailed Tasks Assigned on Consultant's Team of Experts:	Reference to Prior Work/Assignments that Best Illustrates Capability to Handle the Assigned Tasks
{List all deliverables/tasks as in TECH- 5 in which the Expert will be involved}	



Expert's contact information: (e-mail....., phone.....)

Certification:

I, the undersigned, certify to the best of my knowledge and belief that

(i) This CV correctly describes my qualifications and experience

(ii) I am not a current employee of the GoN

(iii) In the absence of medical incapacity, I will undertake this assignment for the duration and in terms of the inputs specified for me in Form TECH 6 provided team mobilization takes place within the validity of this proposal.

(iv) I was not part of the team who wrote the terms of reference for this consulting services assignment

(v) I am not currently debarred by a multilateral development bank (In case of DP funded project]

(vi) I certify that I have been informed by the firm that it is including my CV in the Proposal for the {name of project and contract}. I confirm that I will be available to carry out the assignment for which my CV has been submitted in accordance with the implementation arrangements and schedule set out in the Proposal.

(vii) I declare that Corruption Case is not filed against me.

I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

_____ Date: _____
[Signature of expert] Day/Month/Year

_____ Date: _____
[Signature of authorized representative of the firm] Day/Month/Year

Full name of authorized representative:



Section 4. Financial Proposal - Standard Forms

{Notes to Consultant shown in brackets { } provide guidance to the Consultant to prepare the Financial Proposals; they should not appear on the Financial Proposals to be submitted.}

Financial Proposal Standard Forms shall be used for the preparation of the Financial Proposal according to the instructions provided in Section 2.

- FIN-1 Financial Proposal Submission Form
- FIN-2 Summary of Costs
- FIN-3 Breakdown of Remuneration
- FIN-4 Other Expenses, Provisional Sums



FORM FIN-1
FINANCIAL PROPOSAL SUBMISSION FORM

To: [Name and address of Client] {Location, Date}

Dear Sirs:

We, the undersigned, offer to provide the consulting services for [Insert title of assignment] in accordance with your Request for Proposal dated [Insert Date] and our Technical Proposal.

Our attached Financial Proposal is for the amount of {Indicate the corresponding to the amount(s) currency(ies)} {Insert amount(s) in words and figures}, excluding Value Added Tax (VAT) *Clause 25.2 in the Data Sheet.* {Please note that all amounts shall be the same as in Form FIN-2}.

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal, i.e. before the date indicated in Clause 12.1 of the Data Sheet.

Commissions, gratuities or fees paid or to be paid by us to an agent or any other party relating to preparation or submission of this Proposal and Contract execution, paid if we are awarded the Contract, are listed below:

Name and Address of Agent(s)/Other party	Amount and Currency	Purpose of Commission or Gratuity
_____	_____	_____
_____	_____	_____

{If no payments are made or promised, add the following statement: "No commissions, gratuities or fees have been or are to be paid by us to agents or any other party relating to this Proposal and, in the case of award, Contract execution."}

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature {In full}: _____

Name and Title of Signatory: _____

In the capacity of: _____

Address: _____

E-mail: _____



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



FORM FIN-2 SUMMARY OF COSTS

Item	Cost			
	{Consultant must state the proposed Costs in accordance with Clause 16.4 of the Data Sheet . Payments will be made in the currency(ies) expressed. Delete columns which are not used.}			
	{Insert Foreign Currency # 1}	{Insert Foreign Currency # 2, if used}	{Insert Foreign Currency # 3, if used}	{Insert Local Currency, if used and/or required (16.4 Data Sheet)
Competitive Components				
Remuneration, Key Experts				
Remuneration, Non-Key Experts				
Reimbursable Expenses				
Sub-Total				
Non-Competitive Components				
Provisional Sums				
Sub-Total				
Total Cost of the Financial Proposal¹				
Value Added Tax (VAT)				

¹ Should match the amount in Form FIN-1.



FORM FIN-3 BREAKDOWN OF REMUNERATION ²

When used for Lump-Sum contract assignment, information to be provided in this Form shall only be used to demonstrate the basis for the calculation of the Contract's ceiling amount; to calculate applicable taxes at contract negotiations; and, if needed, to establish payments to the Consultant for possible additional services requested by the Client. This Form shall not be used as a basis for payments under Lump-Sum contracts

No.	Name	Nationality	Currency	Person-month Remuneration Rate (Home)	Time Input in Person/Month (from TECH-6) (Home)	{Currency 1- as in FIN-2}	{Currency 2- as in FIN-2}	{Currency 3- as in FIN-2}	{Local Currency- as in FIN-2}
	Position (as in TECH-6)	Firm		Person-month Remuneration Rate (Field)	Time Input in Person/Month (from TECH-6) (Field)				
KEY EXPERTS (International)³									
1.									
2.									
Sub-Total Costs									
KEY EXPERTS (National)									
1.									
2.									
Sub-Total Costs									
Total Costs: Key Experts (International and National)									
NON-KEY EXPERTS/SUPPORT STAFF									
1.									
2.									

² In the case of selections that do not include cost as an evaluation factor (i.e., QBS, CQS, and SSS), the Client may use an expanded version of this Form to add columns to request social charges, overhead, other charges (such as premium for field assignments in difficult locations) and the multiplier.

³ As identified in the Summary and Personnel Evaluation Sheet.



Total Costs: Non-Key Experts/Support Staff									
TOTAL COSTS: KEY AND NON-KEY EXPERTS/SUPPORT STAFF									

**CONSULTANT’S REPRESENTATIONS REGARDING COSTS AND CHARGES
 (EXPANDED FORM TO FIN-3 – QBS)**

(EXPRESSED IN [INSERT NAME OF CURRENCY*])

<i>Personnel</i>		1	2	3	4	5	6	7	8
<i>Name</i>	<i>Position</i>	<i>Basic Remuneration Rate per Working Month/Day/Year</i>	<i>Social Charges₁</i>	<i>Overhead₁</i>	<i>Subtotal</i>	<i>Profit₂</i>	<i>Away from Home Office Allowance</i>	<i>Proposed Fixed Rate per Working Month/Day/Hour</i>	<i>Proposed Fixed Rate per Working Month/Day/Hour₁</i>
<i>Home Office</i>									
<i>Client’s Country</i>									

* If more than one currency is used, use additional table(s), one for each currency

1. Expressed as percentage of 1
2. Expressed as percentage of 4





Sample Form

Consultant:
Assignment:

Country:
Date:

Consultant's Representations Regarding Costs and Charges

We hereby confirm that:

- (a) the basic fees indicated in the attached table are taken from the firm's payroll records and reflect the current rates of the Experts listed which have not been raised other than within the normal annual pay increase policy as applied to all the Consultant's Experts;
- (b) attached are true copies of the latest pay slips of the Experts listed;
- (c) the away- from- home office allowances indicated below are those that the Consultant has agreed to pay for this assignment to the Experts listed;
- (d) the factors listed in the attached table for social charges and overhead are based on the firm's average cost experiences for the latest three years as represented by the firm's financial statements; and
- (e) said factors for overhead and social charges do not include any bonuses or other means of profit-sharing.

[Name of Consultant]

Signature of Authorized Representative

Date

Name: _____

Title: _____



FORM FIN-4 BREAKDOWN OF OTHER EXPENSES, PROVISIONAL SUMS AND CONTINGENCY

When used for Lump-Sum contract assignment, information to be provided in this Form shall only be used to demonstrate the basis for calculation of the Contract ceiling amount, to calculate applicable taxes at contract negotiations and, if needed, to establish payments to the Consultant for possible additional services requested by the Client. This form shall not be used as a basis for payments under Lump-Sum contracts

Type of Expenses, Provisional Sums	Quantity	Unit	Currency	Unit Price	{Currency # 1- as in FIN-2}	{Currency # 2- as in FIN-2}	{Currency# 3- as in FIN-2}	{Local Currency- as in FIN-2}
Reimbursable Expenses								
{e.g., Per diem allowances}	{Day}							
{e.g., International flights}	{RT}							
{e.g., In/out airport transportation}	{Trip}							
{e.g., Communication costs}								
{ e.g., reproduction of reports}								
{e.g., Office rent}								
Sub-Total: Reimbursable Expenses								
Provisional Sums								
Item 1								
Item 2								
Sub-Total: Provisional Sums								
Total: Reimbursable Expenses + Provisional Sums								

* Provisional Sums must be expressed in the currency indicated in the data sheet.



Section 5. Eligible Countries

For GoN funded:

For the purpose of National shortlisting: **"Nepal"**;



Section 6. Corrupt and Fraudulent Practices

[“Notes to the Client”: The following text is for GoN funded assignment and shall not be modified. In case DP funded project use DP’s policy on corrupt and fraudulent practices]

It is the GoN’s policy to require its implementing agencies, as well as consultants under GoN (or DP) financed contracts, to observe the highest standard of ethics during the selection and execution of such contracts. In pursuance of this policy, the GoN:

- a. defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
 - (ii) “fraudulent practice” means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
 - (iii) “coercive practice” means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - (iv) “collusive practice” means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.
 - (iv) “obstructive practice” means:
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a GoN/DP investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - (bb) acts intended to materially impede the exercise of the GoN’s/DP’s inspection and audit rights provided for under Clause GCC 25.2.
- b. will reject a proposal for award if it determines that the consultant recommended for award has engaged in corrupt or fraudulent activities in competing for the contract in question;
- c. will cancel the consultant’s contract if it at any time determines that corrupt or fraudulent practices were engaged in by representatives of the consultant or the Client during the selection process or the execution of that contract;
- d. will blacklist a consultant for a stated period of time, to be awarded a contract if it at any time determines that the consultant has engaged in corrupt or fraudulent practices in competing for, or in executing, a contract; and
- e. will have the right to require that, a provision be included requiring consultants to permit the Client to inspect their accounts and records relating to the



performance of the contract and to have them audited by auditors appointed by the Client.

Section 7. Terms of Reference

1. Introduction and Background

The proposed 400 kV Transmission Line from Butwal to Lamahi is of 160 km length which passes through Rupandehi, Kapilvastu and Dang District of Lumbini Province, Nepal.

The proposed substation locations of the project have been tabulated below: -

S.N.	Name of Substation	Latitude	Longitude
1	New Butwal	27°36'31.00"N	83°41'52.36"E
2	Motipur	27°41'30.93"N	83° 7'9.96"E
3	New Lamahi	27°54'12.23"N	82°21'3.42"E

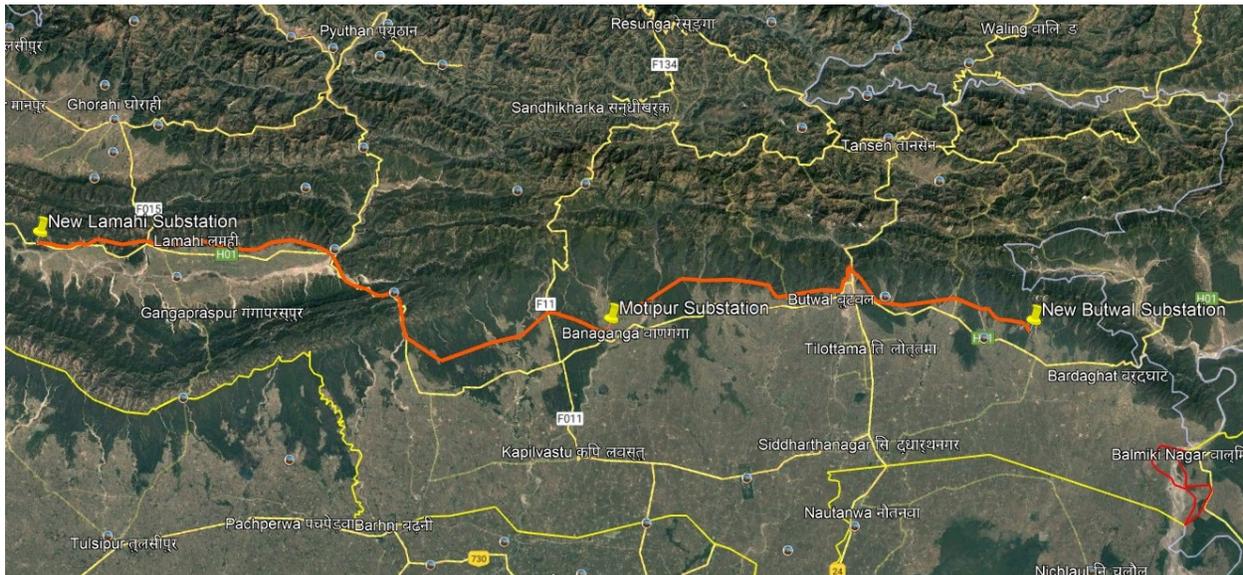


Figure 1-1: Location of Transmission Line Alignment in Google Earth Image

2. Objectives of The Assignment

The main objective of this assignment is to prepare a very high-resolution aerial orthophoto, accurate 3D terrain surface model and sufficient number of point cloud data required for tree counting for 400 kV Transmission line from Butwal to Lamahi of total length 160 km using LiDAR technology based on aerial platform basically Helicopter or Airplane.

Specific objectives of the assignment are:

- i. Official Procedures for permission of LiDAR Survey from Concerned Authorities.
- ii. GCP establishment with DGPS surveying.
- iii. LiDAR data acquisition from Aerial platform(Helicopter/Airplane)
- iv. Aerial photography
- v. Orthophoto processing of aerial photo to produce very accurate aerial-orthophoto of GSD 15 cm or higher.
- vi. and orthophoto of given area with GSD 15 cm.
- vii. LiDAR Data Processing and LiDAR Data classification showing ground and non-ground data with different classification codes.
- viii. Production of very accurate classified point cloud along with Digital Surface Model/Digital Terrain Model (DSM/DTM) of 0.25m ground resolution or higher.
- ix. Prepare a very larger scale (at 1:1000 scale) Topographic Base Map and GIS database of the project area.
- x. Tree Counting of the trees in right of way (50 m left and 50 m right of the alignment).

3. Scope of Work

The scope of work to achieve aforementioned objectives are as under:

1. To undertake aerial photography and LiDAR data acquisition mission, following works shall be undertaken:

- Study and review of existing maps, details of the proposed project area and develop the flight mission and data acquisition plan in discussion with the project and the relevant authorities. The project will facilitate and coordinate with relevant authorities.
- Acquire necessary permit/permission for installing aerial camera/LiDAR sensor pod in the helicopter platform and for undertaking the flight mission(s) from relevant authorities viz. Civil Aviation Authority of Nepal, Department of Survey, Ministry of Defense/Nepal Army and Ministry of Home Affairs. The project will facilitate and coordinate with relevant authorities to acquire the flying and data acquisition permits.



- Test and calibrate the aerial photography camera and LiDAR sensor as required for accurate data acquisition.
- Establish ground control GNSS Base Stations, sufficiently covering the aerial data acquisition area with reference to the flight paths within 20 km distance range. The GNSS base stations shall be established on known/identifiable benchmarks on the ground by the ground survey team and shall be connected to the National Control Network established by the Survey Dept or should be based on Universal Transverse Mercator (UTM) 44 N. The GNSS data shall be continuously recorded at appropriate time intervals throughout the LiDAR survey mission.
- Undertake flight mission(s) to acquire aerial photo and LiDAR point data following flight plan, weather conditions and with due consideration of necessary safety and security protocols.
- Establish LiDAR validation ground check points along the LiDAR flight lines to test and assess the vertical accuracy of the LiDAR data. The validation check points will include DGPS RTK points established on bare ground surface to calibrate with LiDAR first pulse data. These check points shall be observed in and around the established GNSS base stations points established.

2. To undertake the post-processing of LiDAR data to produce accurate classified point cloud, DSM and DTM, following works shall be undertaken:

- Process the LiDAR raw data to generate georeferenced dense point cloud and classify/segment the point cloud adopting appropriate QA/QC steps using appropriate software.
- Process the classified point clouds to generate Digital Surface Model (DSM) and bare earth Digital Terrain Model (DTM) at 0.25m or higher ground resolution.
- Assess the accuracy of the generated DSM/DTM using the ground check points and validate the result.
- Prepare accuracy assessment report with necessary details and technical parameters.

3. To undertake the post-processing of aerial photographs to produce aerial-orthophoto, following works shall be undertaken:

- Orthorectify the aerial photographs using the GCPs established and the DTM generated using the LiDAR data. The processing shall include appropriate aerial-triangulation method to generate highly accurate ortho-photos using appropriate digital photogrammetric software.
- Process the ortho-rectified aerial photos to generate seamless ortho-photo mosaics. The processing may include colour balancing, radiometric corrections and other



image enhancement techniques to generate seamless natural colour (RGB) image mosaic.

- Prepare accuracy assessment report with necessary details and technical parameters.

4. To undertake preparation of very large scale topographical base map, following tasks shall be undertaken:

- Vectorization (or semi-automatic extraction) of ground features including roads, buildings, other structures, hydrography (river/streams, other water bodies), land cover, escarpment, embankment, land use designated for specific purpose etc.
- Ground verification and updating of the base map including attribute data collection through ground survey/observation works.
- Generation of detailed contours at vertical intervals of 1 m from the LiDAR DTM generated.
- Development of standard large scale Topographic Base Map GIS database.
- Preparation of Ortho-Photo and Topographical Base Map at the scale 1:1000 following standard cartography practice.
- Prepare accuracy assessment report with necessary details and technical parameters.

4. Required Technical Details and Specifications of Image and LiDAR

S.N.	Description	Specification
1	Coverage	Coverage of the project area will be 200 m Right of Way (100 m left and 100 m right) of the proposed transmission line alignment which will be provided in digital shapefile and kml/kmz format.
2	LiDAR Point Density	At least 40 points/m ² or more but needs to increase due to terrain condition and other conditions to maintain desired accuracy. The point numbers must be sufficient enough to count trees based on LiDAR Point cloud data with accuracy in between 85% to 95% of actual tree numbers.
3	Ground sample distance (GSD) and focal length of lens	Medium frame camera should be used to capture digital image, and GSD at nadir should be 15 cm.
4	Photographic Coverage	The forward overlap (fore lap) between successive exposures in each run should be minimum 40 percentage but can increase to maintain desired accuracy. The lateral overlap (side lap) between adjacent strips should be minimum 40 percentage, but can



		<p>increase to maintain desired accuracy.</p> <p>The forward overlap and lateral overlap should be sufficient enough in order to produce orthomosaic images of the dense forest area.</p> <p>In extreme terrain relief where the lateral overlap specified above is impossible to maintain in straight and parallel flight lines, the 'gaps' created by excessive relief shall be filled by short runs flown between the main runs and parallel to them.</p>
5	Fundamental Spatial Accuracy	<p>Fundamental vertical accuracy: Root Mean Square Error <= +/- .15 m. Or better on clear or vegetated ground.</p> <p>Fundamental horizontal accuracy of ortho photo should be <= +/- .10 m.</p>
6	Coordinate Datum's	<p>WGS 84 and MUTM with Everest Spheroid</p> <p>Vertical: above mean sea level</p>
7	Vertical Datum	<p>Consultant should adjust elevation data to local height datum.</p>
8	Ground Control System	<p>The maximum distance between the Reference GPS station on the ground and airborne GPS units must not exceed 20 kilometers during the flight.</p> <p>All survey control data used or derived from this contract must be supplied to ensure independent Quality Assurance (QA) of the survey operations. It is therefore essential that all primary ground stations should be visible in photographs in accordance with the appropriate system.</p> <p>The primary ground control and check point surveys must be referenced to survey control marks with geodetic control points (in terms of coordinates and height) demarcated by survey department.</p> <p>Elevation data must be validated and corrected for systematic errors to ensure accuracy specifications are met. Documentation must describe how this has been achieved.</p>
9	LiDAR Data acquisition details	<p>Flight line overlap must be 40% or greater, as required to ensure there are no data gaps between the usable portions of the swaths. Collections in high relief terrain are expected to require greater overlap. Any data with gaps between the geometrically usable portions of the</p>



		<p>swaths will be rejected.</p> <p>LiDAR data over the Study Area must not be collected during any period where the extent of LiDAR ground returns in any part of the Study Area is likely to be significantly compromised e.g., flood, adverse weather etc.</p> <p>The spatial distribution of geometrically usable points is expected to be uniform and free from clustering. In order to ensure consistent data densities throughout the project area:</p> <p>Environmental conditions for data capture.</p> <p>a. Cloud and fog free between the airplane/helicopter and the ground.</p>
10	Intensity Image	<p>0.25 m grid intensity image or better to preserve required accuracy.</p> <p>Mosaic generated using average laser intensity values from “first return” LiDAR points.</p> <p>Tiled delivery covering 10 km of the transmission line.</p>
11	Digital Surface Model (DSM)(orthometric)	<p>1m or better grid Digital Surface Model (DSM) to preserve required accuracy.</p> <p>The DSM should be generated from the “first return” LiDAR mass point data. This will include ground and non-ground points such as vegetation and buildings.</p> <p>The DSM generation should employ a Point to TIN and TIN to Raster process with Natural Nearest Neighbour interpolation.</p>
12	Digital Terrain Model (DTM)(orthometric)	<p>0.25 m or better grid bare earth Digital Elevation Model (DEM) to preserve required accuracy.</p> <p>The DEM should be generated from the LiDAR mass point data classified as “Ground” only, so that it defines the “bare earth” ground surface.</p> <p>The DEM generation should employ a Point to TIN and TIN to Raster process with Natural Nearest Neighbour interpolation.</p>



13	DGPS Data collection	<p>GPS data for all base station occupations in excess of 1 hours or more is to be provided in RINEX format (Receiver Independent Exchange Format).</p> <p>GPS observation log sheets which include the following details:</p> <ol style="list-style-type: none"> a. Survey mark id b. Occupation time & date c. Antenna height measurements d. Instrument /antenna types & serial numbers. <p>The GPS observation log sheets should be provided in pdf format or Excel spreadsheet if data is captured digitally. Where appropriate, some jurisdictions may find it useful to also request GPS data for any static primary control surveys.</p> <p>Description Card of the GPS locations must be provided.</p>
14	Metadata	<p>For each supplied data product, a complete metadata statement consistent with the ISO Standard.</p> <p>Metadata must be provided with every delivery including interim, partial and final deliveries.</p> <p>The job will not be signed off by the Contract Authority until the metadata is satisfactorily supplied.</p>
15	Spatial Accuracy Validation	<p>The fundamental vertical accuracy of the point cloud dataset must be determined with check points located only in open, relatively flat terrain, where there is a very high probability that the sensor will have detected the ground surface.</p> <p>The vertical accuracy of the point cloud dataset is to be tested using a TIN surface constructed from bare-earth LiDAR points compared against ground survey check points.</p> <p>Check points are to be surveyed independently of any LiDAR GPS operations.</p> <p>The number of check points (locations) is dependent on the extent of the survey. The following strategy should be used as a guide:</p>



		<p>a. Check points must be established to adequately cover the full extent of the survey area and be representative of the project area landscape.</p> <p>In the above circumstances a “compiled to meet” statement of horizontal accuracy at 95 percent confidence should be reported.</p>
16	Data Processing	Consultants should process all the acquired data (LiDAR and Ortho photo) in Data Processing LAB (Software and Hardware) inside or outside Nepal.
17	Facilitation	NEA Engineering Company Ltd. will only facilitate in administrative procedure (inter and intra governmental organizations)
18	Tree Counting	Consultant should carry out tree counting of the transmission line alignment based on LiDAR Data, consultant should carryout both automated trees counting using software as well as manual counting using LiDAR Data.

5. Reporting and Deliverables

Reporting and deliverables for this assignment are as under:

SN	Report & Deliverables	Timeline
1	<p>Delivery 1: Inception report</p> <ul style="list-style-type: none"> Detailed work plan and timetable Detailed Flight Mission Plan 	Within 15 days of commencement
2	<p>Delivery 2: LiDAR and Orthophoto Acquisition Report</p> <ul style="list-style-type: none"> LiDAR and Orthophoto Acquisition Report with Raw Data and images including Flight Mission Report and GNSS Field Report 	Within 1.5 month of the assignment
3	<p>Delivery 3: LiDAR and Aerial Ortho-Photo Processing Report</p> <ul style="list-style-type: none"> Classified LiDAR Point Cloud in “.las” format in appropriate data tiles sizes. DSM, DTM and Intensity image @ 0.25m ground resolution in GeoTIFF format in appropriate data tiles sizes. Aerial Ortho-Photo Images in RGB colour composition @ 10 cm ground resolution in GeoTIFF format in appropriate data tiles 	Within 2 months of the assignment



	sizes.	
4	<p>Delivery 4: Draft Reports and Base Map and Data</p> <ul style="list-style-type: none"> • Draft Topographical Base Map and GIS data (Base Maps at 1:1000 scale printed in 3 copies) • Accuracy assessment report 	Within 2.5 months of the assignment
5	<p>Delivery 5: Final Reports and Base Map and Data</p> <ul style="list-style-type: none"> • Final Topographical Base Map and GIS data (Base Maps at 1:1000 scale printed in 5 copies). • Project report with methodology, outputs, data handling and usages recommendations and process. 	Within 3 months of the assignment

6. Time Schedule

The estimated time schedule for undertaking the works is of maximum 3 months, which will also include time for acquitting necessary permits and permission from relevant authorities.

7. Technology Transfer

The consultant must provide the training to at least 5 no. of staff of NEC regarding the flight planning, LiDAR Data Acquisition and LiDAR Data Processing.

8. Team Composition

The assignment shall be undertaken by a team of experts and support staff consisting of following recommended personnel.

SN	Personnel	Number
1	Team Leader	1
2	Senior Surveyor/Geomatics Engineer	1
3	LiDAR Data Acquisition Expert	1
4	LiDAR Data Processing Expert	1



Bill of Quantity (BOQ)

S.N.	Description of Work	Quantity	Unit	Rate (NPR)	Amount (NPR)	Remarks
1	Mobilization and Demobilization of Sensor	1	LS			
2	Placement of GCPs along the route for LiDAR Survey including GNSS Survey at GCPs location and Continuous GNSS Survey at base stations during LiDAR Data Acquisition	32 No. (Minimum)	No.			
3	LiDAR Data Acquisition (Including Legal procedures for permission and including all travelling expenses and daily allowances to representatives from different government agencies for supervision of LiDAR survey)	160	km			
4	LiDAR Data Processing	160	km			
5	Orthophoto Processing	160	km			
6	Helicopter Hire	1	LS			
7	Deliverables and Reporting	1	LS			
Total:-						



PART II

Section 8. Conditions of Contract and Contract Forms

Foreword

1. Part II includes standard Contract forms for Consulting Services (a Lump-Sum Contract).
2. **Lump-Sum Contract:** This type of contract is used mainly for assignments in which the scope and the duration of the Services and the required output of the Consultant are clearly defined. Payments are linked to outputs (deliverables) such as reports, drawings, bill of quantities, bidding documents, or software programs. Lump-sum contracts are easier to administer because they operate on the principle of a fixed price for a fixed scope, and payments are due on clearly specified outputs and milestones. Nevertheless, quality control of the Consultant's outputs by the Client is paramount.



STANDARD FORM OF CONTRACT

Consultant's Services

LUMP-SUM FORM OF CONTRACT



A rectangular box containing a handwritten signature in black ink. The signature is cursive and appears to be "A. K. Khan".

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Preface

1. The standard Contract form consists of four parts: the Form of Contract to be signed by the Client and the Consultant, the General Conditions of Contract (GCC), the Special Conditions of Contract (SCC); and the Appendices.
2. The General Conditions of Contract shall not be modified. The Special Conditions of Contract that contain clauses specific to each Contract intend to supplement, but not over-write or otherwise contradict, the General Conditions.



CONTRACT FOR CONSULTANT'S SERVICES

Lump-Sum

Project Name _____

Contract No. _____

between

[Name of the Client]

and

[Name of the Consultant]

Dated: _____



I. Form of Contract

LUMP-SUM

(Text in brackets [] is optional; all notes should be deleted in the final text)

This CONTRACT (hereinafter called the "Contract") is made the *[number]* day of the month of *[month]*, *[year]*, between, on the one hand, *[name of Client]* (hereinafter called the "Client") and, on the other hand, *[name of Consultant]* (hereinafter called the "Consultant").

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

WHEREAS

- (a) the Client has requested the Consultant to provide certain consulting services as defined in this Contract (hereinafter called the "Services");
- (b) the Consultant, having represented to the Client 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;
- (c) the Client has received *[or has applied for]* a loan *[or grant or financing]* from the Donor Agency: toward the cost of the Services and intends to apply a portion of the proceeds of this *[loan/grant/financing]* to eligible payments under this Contract, it being understood that (i) payments by the Donor will be made only at the request of the Client and upon approval by the Donor; (ii) such payments will be subject, in all respects, to the terms and conditions of the *[loan/grant/financing]* agreement, including prohibitions of withdrawal from the *[loan/grant/financing]* account for the purpose of any payment to persons or entities, or for any import of goods, if such payment or import, to the knowledge of the Donor, is prohibited by the decision of the United Nations Security council taken under Chapter VII of the Charter of the United Nations]; and (iii) no party other than the Client shall derive any rights from the *[loan/grant/financing]* agreement or have any claim to the *[loan/grant/financing]* proceeds;

[Note: Include Clause (c) only in case of donor-funded projects.]

NOW THEREFORE the parties hereto hereby agree as follows:

1. The following documents attached hereto shall be deemed to form an integral part of this Contract:
 - (a) The General Conditions of Contract;
 - (b) The Special Conditions of Contract;



- (c) Appendices: : **[Note: If any of these Appendices are not used, the words “Not Used” should be inserted next to the title of the Appendix and on the sheet attached hereto carrying the title of that Appendix.]**

- Appendix A: Terms of Reference
- Appendix B: Key Experts
- Appendix C: Breakdown of Contract Price
- Appendix D: Form of Advance Payments Guarantee [Use only for donor-funded project only. Specify “Not Applicable” for GoN funded projects]
- Appendix E: Medical Certificate
- Appendix F: Minutes of Negotiation Meetings

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; Appendix A; Appendix B; Appendix C; Appendix D; Appendix E and Appendix F.

Any reference to this Contract shall include, where the context permits, a reference to its Appendices.

2. The mutual rights and obligations of the Client 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 Client 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 Client]*

[Authorized Representative of the Client – 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]

[Note: If the Consultants consist of more than one entity, all these entities should appear as signatories, e.g., in the following manner].

For and on behalf of each of the members of the Consultant

[Name of member]



[Authorized Representative]

[Name of member]

[Authorized Representative]

[add signature blocks for each member]



II. General Conditions of Contract

A. GENERAL PROVISIONS

1. Definitions

- 1.1. Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:
- (a) “Applicable Guidelines” means the policies of the Development Partner (DP) governing the selection and Contract award process, in case of DP funded project.
 - (b) “Applicable Law” means the laws and any other instruments having the force of law in Nepal as they may be issued and in force from time to time.
 - (c) “Borrower [*or Recipient or Beneficiary*]” means the Government, Government agency or other entity that signs the financing [*or loan/grant/project*] agreement with the Development Partner.
 - (d) “Client” means [*procuring entity/the implementing/ executing*] agency that signs the Contract for the Services with the Selected Consultant.
 - (e) “Consultant” means a legally-established professional consulting firm or entity selected by the Client to provide the Services under the signed Contract.
 - (f) “Contract” means the legally binding written agreement signed between the Client and the Consultant and which includes all the attached documents listed in its paragraph 1 of the Form of Contract (the General Conditions (GCC), the Special Conditions (SCC), and the Appendices).
 - (g) “Day” means a working day unless indicated otherwise.
 - (h) “Development Partner (DP)” means the country/institution funding the project **as specified in the SCC**.
 - (i) “Effective Date” means the date on which this Contract comes into force and effect pursuant to Clause GCC 11.
 - (j) “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.
 - (k) “Foreign Currency” means any currency other than the currency of the Client’s country.
 - (l) “GCC” means these General Conditions of Contract.



- (m) "Government" means the government of Nepal (GoN).
- (n) "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 Client for the performance of the Contract.
- (o) "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.
- (p) "Local Currency" means the currency of Nepal (NPR).
- (q) 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.
- (r) "Party" means the Client or the Consultant, as the case may be, and "Parties" means both of them.
- (s) "SCC" means the Special Conditions of Contract by which the GCC may be amended or supplemented but not over-written.
- (t) "Services" means the work to be performed by the Consultant pursuant to this Contract, as described in Appendix A hereto.
- (u) "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.
- (v) "Third Party" means any person or entity other than the Government, the Client, the Consultant or a Sub-consultant.

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 Client 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. This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Applicable Law of Nepal.

4. Language

4.1. This Contract has been executed in the English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.



- 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 Client 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 Client under this Contract, including without limitation the receiving of instructions and payments from the Client.
- 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 Client or the Consultant may be taken or executed by the officials specified in the **SCC**.
- 10. Corrupt and Fraudulent Practices** 10.1 The GoN/DP requires compliance with its policy in regard to corrupt and fraudulent/prohibited practices as set forth in **Attachment 1** to the GCC.
- a. Commissions and Fees** 10.2 The Client requires the Consultant to disclose any commissions, gratuities or fees that may have been paid or are to be paid to agents or any other party with respect to the selection process or execution of the Contract. The information disclosed must include at least the name and address of the agent or the other party, the amount and currency, and the purpose of the commission, gratuity or fee. Failure to disclose such commissions and gratuities may result in termination of the Contract.

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 Client'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 thirty (30) 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** or such other time period as the Parties may agree in writing.

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.

17. Force Majeure

a. Definition

17.1. 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.

17.2. 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.

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



b. No Breach of Contract 17.4. 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.

c. Measures to be Taken 17.5. A Party affected by an event of Force Majeure shall take all reasonable measures to remove such Party's inability to fulfill its obligations hereunder with a minimum of delay.

17.6. 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.

17.7. 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 fifteen (15) 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.

d. Extension of Time (EoT) 17.8. 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.

17.9. 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 Client, shall either:

- (a) demobilize, in which case the Consultant shall be reimbursed for additional costs they reasonably and necessarily incurred, and, if required by the Client, in reactivating the Services; or
- (b) 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.

17.10. The Consultant shall submit an application to the Client for extension of time, stating the causes for delay with supporting evidence within 7 days before the expiry of the Contract completion date. The approval of EoT shall be subject to verification by the Client whether:



- (a) the consultant had made the best possible efforts to complete the work in due time ,
- (b) the facilities to be provided by the Client as per the contract to the Consultant was made in time or not,
- (c) the delay was as a result of Force Majeure or not.

18. Suspension

18.1. The Client 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 Client

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

- (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 hereinabove, within thirty (30) days of receipt of such notice of suspension or within such further period as the Client may have subsequently approved in writing;
- (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 48.1;
- (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) calendar days;
- (e) If the Client, in its sole discretion and for any reason whatsoever, decides to terminate this Contract;
- (f) If the Consultant fails to furnish the professional liability



insurance within 30 days from the date of signing of the contract agreement.

19.1.2 Furthermore, if the Client determines that the Consultant has engaged in corrupt, fraudulent, collusive, coercive *[or obstructive]* practices, in competing for or in executing the Contract, then the Client may, after giving fifteen (15) calendar days written notice to the Consultant, terminate the Consultant's employment under the Contract.

b. By the Consultant

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

- (a) If the Client fails to pay any money due to the Consultant pursuant to this Contract and not subject to dispute pursuant to Clauses GCC 48.1 within forty-five (45) calendar 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) calendar days.
- (c) If the Client fails to comply with any final decision reached as a result of arbitration pursuant to Clause GCC 48.1.
- (d) If the Client 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 Client of the Consultant's notice specifying such breach.

c. Cessation of Rights and Obligations

19.1.4 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 23, (iii) the Consultant's obligation to permit inspection, copying and auditing of their accounts and records set forth in Clause GCC 26, and (iv) any right which a Party may have under the Applicable Law.

d. Cessation of Services

19.1.5 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 Client, the Consultant shall proceed as provided, respectively, by Clauses GCC 28 or GCC 29.

e. Payment upon Termination

19.1.6 Upon termination of this Contract, the Client shall make the following payments to the Consultant:

- (a) payment for Services satisfactorily performed prior to the effective date of termination; and
- (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

a. Standard of Performance

20.1 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 Client, and shall at all times support and safeguard the Client's legitimate interests in any dealings with the third parties.

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

20.3 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 Client. Notwithstanding such approval, the Consultant shall retain full responsibility for the Services.

b. Law Applicable to Services

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

20.5 Throughout the execution of the Contract, the Consultant shall comply with the import of goods and services prohibitions in the Client's country when

- (a) as a matter of law or official regulations, Client's country



prohibits commercial relations with that country; or

- (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Client's Country prohibits any import of goods from that country or any payments to any country, person, or entity in that country.

20.6 The Client shall notify the Consultant in writing of relevant local customs, and the Consultant shall, after such notification, respect such customs.

21. Conflict of Interests

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

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

21.1.1 The payment of the Consultant pursuant to GCC F (Clauses GCC 39 through 45) 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.

21.1.2 Furthermore, if the Consultant, as part of the Services, has the responsibility of advising the Client on the procurement of goods, works or services, the Consultant shall comply with any applicable procurement guidelines as per the prevailing Public Procurement Act and Regulations of the GoN(or of the Donors/funding agencies) and shall at all times exercise such responsibility in the best interest of the Client. Any discounts or commissions obtained by the Consultant in the exercise of such procurement responsibility shall be for the account of the Client.

b. Consultant and Affiliates Not to Engage in Certain Activities

21.1.3 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 services (other than the Services and any continuation thereof) for any project resulting from or closely related to the Services.

c. Prohibition of Conflicting Activities

21.1.4 The Consultant shall not engage, and shall cause their Personnel as well as its Sub-consultants and their Personnel not to engage, either directly or indirectly, in any of the following activities:

- a. during the term of this Contract, any business or professional activities in Nepal which would conflict with



- the activities assigned to them under this Contract; and
- b. after the termination of this Contract, such other activities as may be specified in the SCC
- d. **Strict Duty to Disclose Conflicting Activities**
- 21.1.5 The Consultant has an obligation and shall ensure that its Personnel 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 Client, or that may reasonably be perceived as having this effect. Failure to disclose said situations may lead to the termination of its Contract.

22. Conduct of Consultants

- 22.1 The Consultant shall be responsible to fulfill his obligations as per the requirement of the Contract Agreement, RFP documents and GoN's Procurement Act and Regulations.
- 22.2 The consultant shall not carry out or cause to carry out the following acts with an intention to influence the implementation of the procurement process or the contract agreement :
- (i) give or propose improper inducement directly or indirectly,
 - (ii) distortion or misrepresentation of facts
 - (iii) engaging or being involved in corrupt or fraudulent practice
 - (iv) Interference in participation of other prospective consultants.
 - (v) coercion or threatening directly or indirectly to impair or harm, any party or the property of the party involved in the procurement proceedings,
 - (vi) collusive practice among consultants before or after submission of proposals for distribution of works among consultants or fixing artificial/uncompetitive proposal price with an intention to deprive the Client the benefit of open competitive proposal price.
 - (vii) contacting the Client with an intention to influence the Client with regards to the proposals or interference of any kind in examination and evaluation of the proposals during the period after opening of proposals up to then notification of award of contract

23. Confidentiality

- 23.1 The Consultants, their Sub-consultants, and the Personnel of either of them shall not, either during the term or within two (2) years after the expiration of this Contract, disclose any proprietary or confidential information relating to the Project, the Services, this Contract, or the Client's business or operations without the prior written consent of the Client.

24. Liability of the

- 24.1 Subject to additional provisions, if any, set forth in the



Consultant	SCC , the Consultant's liability under this Contract shall be as determined under the Applicable Law.
25. Insurance to be Taken out by the Consultant	<p>25.1 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 Client, insurance against the risks, and for the coverage specified in the SCC, and (ii) at the Client's request, shall provide evidence to the Client 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.</p> <p>25.2 The Consultant shall take out and maintain professional liability insurance within 30 days of signing of the contract agreement.</p>
26. Accounting, Inspection and Auditing	<p>26.1 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 and in such form and detail as will clearly identify relevant time changes and costs.</p> <p>26.2. The Consultant shall permit and shall cause its Sub-consultants to permit, the Client/DP and/or persons appointed by the Client/DP to inspect the Site and/or all accounts and records relating to the performance of the Contract and the submission of the Proposal to provide the Services, and to have such accounts and records audited by auditors appointed by the Client/DP if requested by the Client/DP. The Consultant's attention is drawn to Clause GCC 10 which provides, inter alia, that acts intended to materially impede the exercise of the Client/DP's inspection and audit rights provided for under this Clause GCC26.2 constitute a prohibited practice subject to contract termination.</p>
27. Reporting Obligations	<p>27.1 The Consultant shall submit to the Client 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.</p>
28. Proprietary Rights of the Client in Reports and Records	<p>28.1 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 Client in the course of the Services shall be confidential and become and remain the absolute property of the Client. The Consultant shall, not later than upon termination or expiration of this Contract, deliver all such documents to the Client, 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</p>



Contract without prior written approval of the Client.

28.2 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 Client's prior written approval to such agreements, and the Client 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**.

29. Equipment, Vehicles and Materials

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

29.2 Any equipment or materials brought by the Consultant or its Experts into the Client'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.

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**.

31. Replacement of Key Experts

31.1 Except as the Client 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. Removal of Experts or Sub-consultants

32.1 If the Client 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 Client determine that Consultant's Expert of Sub-consultant have engaged in



corrupt, fraudulent, collusive, coercive [or obstructive] practice while performing the Services, the Consultant shall, at the Client's written request, provide a replacement.

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

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

32.4 The Consultant shall bear all costs arising out of or incidental to any removal and/or replacement of such Experts.

E. OBLIGATIONS OF THE CLIENT

33. Assistance and Exemptions

33.1 Unless otherwise specified in the **SCC**, the Client shall use its best efforts to:

- (a) Assist the Consultant with obtaining work permits and such other documents as shall be necessary to enable the Consultant to perform the Services.
- (b) Assist the Consultant with promptly obtaining, for the Experts and, if appropriate, their eligible dependents, all necessary entry and exit visas, residence permits, exchange permits and any other documents required for their stay in the Client's country while carrying out the Services under the Contract.
- (c) Facilitate prompt clearance through customs of any property required for the Services and of the personal effects of the Experts and their eligible dependents.
- (d) 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.
- (e) 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 Client's country according to the applicable law in the Client's country.
- (f) Assist the Consultant, any Sub-consultants and the Experts of either of them with obtaining the privilege, pursuant to the applicable law in the Client's country, of bringing into the Client'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.

- (g) Provide to the Consultant any such other assistance as may be specified in the **SCC**.

34. Access to Project Site

34.1 The Client 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 Client 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.

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

35.1 If, after the date of this Contract, there is any change in the applicable law in the Client'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 39.1.

36. Services, Facilities and Property of the Client

36.1 The Client 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**.

37. Counterpart Personnel

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

37.2 If counterpart personnel are not provided by the Client to the Consultant as and when specified in **Appendix A**, the Client 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 Client to the Consultant as a result thereof pursuant to Clause GCC 39.2

37.3 Professional and support counterpart personnel, excluding Client'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 Client shall not unreasonably refuse to act upon



such request.

**38. Payment
Obligation**

38.1 In consideration of the Services performed by the Consultant under this Contract, the Client shall make such payments to the Consultant for the deliverables specified in **Appendix A** and in such manner as is provided by GCC F below.

F. PAYMENTS TO THE CONSULTANT

39. Contract Price

39.1 The Contract price is fixed and is set forth in the **SCC**. The Contract price breakdown is provided in **Appendix C**.

39.2 Any change to the Contract price specified in Clause 39.1 can be made only if the Parties have agreed to the revised scope of Services pursuant to Clause GCC 16 and have amended in writing the Terms of Reference in **Appendix A**.

40. Taxes and Duties

40.1 The Consultant, Sub-consultants and Experts are responsible for meeting any and all tax liabilities arising out of the Contract.

**41. Currency of
Payment**

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

**42. Mode of Billing and
Payment**

42.1 The total payments under this Contract shall not exceed the Contract price set forth in Clause GCC 39.1.

42.2 The payments under this Contract shall be made in lump-sum installments against deliverables specified in **Appendix A**. The payments will be made according to the payment schedule stated in the **SCC**.

42.2.1 Advance payment: Unless otherwise indicated in the **SCC**, an advance payment shall be made against an advance payment bank guarantee acceptable to the Client 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 D**, or in such other form as the Client shall have approved in writing. The advance payments will be set off by the Client in equal portions against the lump-sum installments specified in the **SCC** until said advance payments have been fully set off.

42.2.2 The Lump-Sum Installment Payments. The Client shall pay the Consultant within sixty (60) days after the receipt by the Client of the deliverable(s) and the cover invoice for the related lump-sum installment payment. The payment can be withheld if the Client does not approve the submitted deliverable(s) as satisfactory in which case the Client shall provide comments to the Consultant within the same sixty (60)



days period. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated.

42.2.3 The Final Payment .The final payment under this Clause shall be made only after the final report I have been submitted by the Consultant and approved as satisfactory by the Client. The Services shall then be deemed completed and finally accepted by the Client. The last lump-sum installment shall be deemed approved for payment by the Client within ninety (90) calendar days after receipt of the final report by the Client unless the Client, within such ninety (90) calendar day period, gives written notice to the Consultant specifying in detail deficiencies in the Services, the final report. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated.

42.2.4 All payments under this Contract shall be made to the accounts of the Consultant specified in the **SCC**.

42.2.5 With the exception of the final payment under 41.2.3 above, payments do not constitute acceptance of the whole Services nor relieve the Consultant of any obligations hereunder.

43. Retention

43.1. The Client shall retain from each payment due to the Consultant the proportion **stated in the SCC** until Completion of the whole of the Works.

43.2. One half the total amounts retained shall be repaid to the Consultant at the time of the payment of the Final Bill pursuant to GCC Clause 42.2.3 and the remaining half shall be paid to the consultant within 15 days after submission of document issued by the concerned Internal Revenue Office that the consultant has submitted his Income Returns.

44. Interest on Delayed Payments

44.1. If the Client had delayed payments beyond fifteen (15) days after the due date stated in Clause GCC 42.2.2, 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.

45. Liquidated Damages

45.1. The Consultant shall pay liquidated damages to the Client at the rate per day stated in the SCC for each day that the completion of services is later than the Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the SCC. Beyond this limit the contract may be terminated by the Client. The Client may deduct liquidated damages from any payments due to the Consultant. Payment of liquidated damages shall not affect the Consultant's liabilities.



G. FAIRNESS AND GOOD FAITH

- 46. Good Faith** 46.1 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

- 47. Amicable Settlement** 47.1 The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or the interpretation thereof.
- 47.2 If either Party objects to any action or inaction of the other Party, the objecting Party may file a written Notice of Dispute to the other Party providing in detail the basis of the dispute. The Party receiving the Notice of Dispute will consider it and respond in writing within fifteen (15) days after receipt. If that Party fails to respond within fifteen (15) days, or the dispute cannot be amicably settled within fifteen (15) days following the response of that Party, Clause GCC 48.1 shall apply.
- 48. Dispute Resolution** 48.1 Any dispute between the Parties arising under or related to this Contract that cannot be settled amicably within thirty (30) days after receipt by one party of the other Party's request for such amicable settlement may be referred to by either Party to the adjudication/arbitration in accordance with the provisions specified in the **SCC**.

I. BLACKLISTING

- 49. Blacklisting** 49.1 Without prejudice to any other right of the Client under this Contract, Public Procurement Monitoring Office may blacklist a Consultant for his conduct up to three years on the following grounds and seriousness of the act committed by the consultant.
- a) if it is proved that the consultant committed acts pursuant to GCC 22..2,
 - b) if the Consultant fails to sign an agreement pursuant to Information to Consultants Clause 29.3,
 - c) if it is proved later that the Consultant has committed substantial defect in implementation of the contract or has not substantially fulfilled his obligations under the contract or the completed work is not of the specified quality as per the contract,
 - d) if convicted by a court of law in a criminal offence which disqualifies the consultant from participating in the assignment.
 - e) if it is proved that the contract agreement signed by the Consultant was based on false or misrepresentation of consultant's qualification information,



- f) if the consultant fails to submit the professional liability insurance within the period stipulated in the contract.
- 49.2 A Consultant declared blacklisted and ineligible by the Public procurement Office, and or concerned Donor Agency in case of donor funded project, shall be ineligible to participation the selection process during the period of time determined by the PPMO, and or the concerned donor agency.



III. Special Conditions of Contract

[Notes in brackets are for guidance purposes only and should be deleted in the final text of the signed contract]

Number of GC Clause	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
6.1 and 6.2	<p>The addresses are:</p> <p>Client : NEA Engineering Company Ltd. Attention : Chirantan Bikram Rana Facsimile : 01-5111024 E-mail (where permitted): Chirantan.rana@neaec.com.np Consultant : _____ _____ Attention : _____ Facsimile : _____ E-mail (where permitted) : _____</p>
8.1	<p><i>[Note: If the Consultant consists only of one entity, state "N/A"; OR If the Consultant is a Joint Venture consisting of more than one entity, the name of the JV member whose address is specified in Clause SCC 6.1 should be inserted here.]</i></p> <p>The Lead Member on behalf of the JV is _____ _____ [insert name of the member]</p>
9.1	<p>The Authorized Representatives are:</p> <p>For the Client: Chirantan Bikram Rana, Team Leader</p> <p>For the Consultant: [name, title] _____</p>
12.1	<p>Termination of Contract for Failure to Become Effective:</p> <p>The time period shall be 1 months</p>
13.1	<p>Commencement of Services:</p> <p>The number of days shall be Seven (7) days from the Contract Agreement.</p>
14.1	<p>Expiration of Contract:</p> <p>The time period shall be three (3) months (including report</p>



	preparation and submission) from the commencement day.
21 b.	The Client reserves the right to determine whether the Consultant should be disqualified from providing goods, works or non-consulting services due to a conflict of a nature described in Clause GCC 21.1.3
24.1	<p>“Limitation of the Consultant’s Liability towards the Client:</p> <p>(a) Except in the case of gross negligence or willful misconduct on the part of the Consultant or on the part of any person or a firm acting on behalf of the Consultant in carrying out the Services, the Consultant, with respect to damage caused by the Consultant to the Client’s property, shall not be liable to the Client:</p> <p>(i) for any indirect or consequential loss or damage; and</p> <p>(ii) for any direct loss or damage that exceeds (A) the total payments for professional fees and reimbursable expenditures made or expected to be made to the Consultants hereunder, or (B) the proceeds the Consultants may be entitled to receive from any insurance maintained by the Consultants to cover such a liability, whichever of (A) or (B) is higher;</p> <p>(b) This limitation of liability shall not</p> <p>(i) affect the Consultant’s liability, if any, for damage to Third Parties caused by the Consultant or any person or firm acting on behalf of the Consultant in carrying out the Services;</p> <p>(ii) be construed as providing the Consultant with any limitation or exclusion from liability which is prohibited by the Applicable Law of the Client’s country.</p>
25.1	<p>The insurance coverage against the risks shall be as follows:</p> <p>(a) Professional liability insurance, with a minimum coverage of NRs 1,50,00,000.00 (In Words: One Crore Fifty Lakh Rupees Only)</p>
28.1	Not Applicable
28.2	The Consultant shall not use these project data and documents for purposes unrelated to this Contract without the prior written approval of the Client.
39.1	The Contract price is: inclusive of Value Added Tax (VAT).



	VAT chargeable in respect of this Contract for the Services provided by the Consultant shall be paid by the Client to the Consultant.
42.2	<p>The payment schedule:</p> <p>First Payment: Twenty (20) % after submission of the Inception Report (Delivery 1)</p> <p>Second Payment: Thirty (30) % after submission of LiDAR Data Acquisition Report (Delivery 2)</p> <p>Third Payment: Thirty (30) % after submission of Draft Report (Delivery 4)</p> <p>Final Payment: Twenty (20) % After submission of the final report and approved by client (Delivery 5)</p>
42.2.1	Advance Payment: Not Applicable
42.2.4	<p>The accounts are:</p> <p>for foreign currency: <i>[insert account]</i>.</p> <p>for local currency: <i>[insert account]</i>.</p>
43.1	The proportion of payments retained is: 5 %
44.1	The interest rate is: Not Applicable
45.1	<p>The liquidated damage is: 0.05%per day.</p> <p>The maximum amount of liquidated damages is: 10% of the sum stated in the Agreement.</p>
48.	Arbitration shall be conducted in accordance with Nepal Arbitration Act



IV. Appendices

APPENDIX A – TERMS OF REFERENCE

[Note: This Appendix shall include the final Terms of Reference (TORs) worked out by the Client and the Consultant during the negotiations; dates for completion of various tasks; location of performance for different tasks; detailed reporting requirements and list of deliverables against which the payments to the Consultant will be made; Client's input, including counterpart personnel assigned by the Client to work on the Consultant's team; specific tasks or actions that require prior approval by the Client.

Insert the text based on the Section 7 (Terms of Reference) of the ITC in the RFP and modified based on the Forms TECH-1 through TECH-5 in the Consultant's Proposal. Highlight the changes to Section 5 of the RFP]

APPENDIX B - KEY EXPERTS

[Insert a table based on Form TECH-6 of the Consultant's Technical Proposal and finalized at the Contract's negotiations. Attach the CVs (updated and signed by the respective Key Experts) demonstrating the qualifications of Key Experts.]

[Specify Hours of Work for Key Experts: List here the hours of work for Key Experts; travel time to/ from the Client's country; public holidays etc. Make sure there is consistency with Form TECH-6. In particular: one month equals twenty five (25) working (billable) days. One working (billable) day shall be not less than seven (7) working (billable) hours (total 40 hours a week).]



APPENDIX C – BREAKDOWN OF CONTRACT PRICE

Bill of Quantity (BOQ)

S.N.	Description of Work	Quantity	Unit	Rate (NPR)	Amount (NPR)	Remarks
1	Mobilization and Demobilization of Sensor	1	LS			
2	Placement of GCPs along the route for LiDAR Survey including GNSS Survey at GCPs location and Continuous GNSS Survey at base stations during LiDAR Data Acquisition	32 No. (Minimum)	No.			
3	LiDAR Data Acquisition (Including Legal procedures for permission and including all travelling expenses and daily allowances to representatives from different government agencies for supervision of LiDAR survey)	160	km			
4	LiDAR Data Processing	160	km			
5	Orthophoto Processing	160	km			
6	Helicopter Hire	1	LS			
7	Deliverables and Reporting	1	LS			
Total:-						



In Words:-

Signature

Date

Name and Title: _____



APPENDIX D - FORM OF ADVANCE PAYMENTS GUARANTEE

[See Clause GCC 42.2.1]

Bank Guarantee for Advance Payment

Guarantor: _____ [insert commercial Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: _____ [name and address of Client]

Date: _____ [insert date]

ADVANCE PAYMENT GUARANTEE No.: _____ [insert number]

We have been informed that _____ [name of Consultant or a name of the Joint Venture, same as appears on the signed Contract] (hereinafter called "the Consultant") has entered into Contract No. _____ [reference number of the contract] dated _____ [insert date] with the Beneficiary, for the provision of _____ [brief description of Services] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum of _____ [insert amount in figures] () [amount in words] is to be made against an advance payment guarantee.

At the request of the Consultant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of _____ [amount in figures] () [amount in words]¹ upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's written statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating that the Consultant is in breach of their obligation under the Contract because the Consultant has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Consultant has failed to repay.

It is a condition for any claim and payment under this guarantee to be made that the advance payment referred to above must have been received by the Consultant on

¹ The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Client.



their account number _____ at _____ *[name and address of bank]*.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Consultant as indicated in certified statements or invoices marked as “paid” by the Client which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of the payment certificate or paid invoice indicating that the Consultant has made full repayment of the amount of the advance payment, or on the ___ day of _____ *[month]*, _____ *[year]*,² whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 revision, ICC Publication No. 758.

[signature(s)]

Note: All italicized text is for indicative purposes only to assist in preparing this form and shall be deleted from the final product.

² Insert the expected expiration date. In the event of an extension of the time for completion of the Contract, the Client would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Client might consider adding the following text to the form, at the end of the penultimate paragraph: “The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Client’s written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.”



APPENDIX E – MEDICAL CERTIFICATE

Not Applicable



APPENDIX F –MINUTES OF NEGOTIATION MEETINGS

