

Government of Nepal  
Ministry of Energy  
Department of Electricity Development  
Anamnagar



**Expression of Interest (EOI)**

*For*

Feasibility Study and Environmental Impact  
Assessment (EIA) Study of Sankhuwa Khola-1  
Hydropower Project (30 MW)

Job No. : 2070/71-5

November, 2013

**Government of Nepal**  
**Ministry of Energy**  
**Department of Electricity Development**  
**Anamnagar**



**Invitation for Expression of Interest (EOI)**

*For*

**The Following Consultancy Services as indicated in the table of clause 1.**

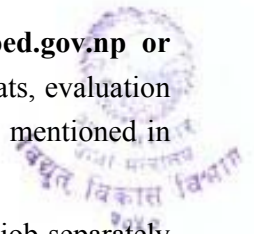
**(Date of First Publication 2070- 08-19)**

1. As per the approved program for fiscal year 2070/71, the Government of Nepal (GoN) intends to conduct the following jobs as indicated in the table below using funds allocated by GoN for the purpose. Hence, Department of Electricity Development (DoED) intends to prepare separate lists of competent local consulting firms for each of the jobs indicated below. This Invitation for Expression of Interest (EOI) is made to invite applications from interested and eligible local consulting firms registered in Nepal under GoN rules & regulations and/or their joint ventures for the jobs.

Job No.	Title
2070/71-1	Feasibility Study and EIA Study of Sankhuwa Khola Hydropower Project, Sankhuwasabha district
2070/71-2	Feasibility Study and EIA Study of Dudhkoshi - IV Hydropower Project, Solukhumbu district
2070/71-3	Feasibility Study and IEE Study of Myagdi Khola Hydropower Project, Myagdi district
2070/71-4	Feasibility Study and EIA Study of Beni-Kaligandaki Hydropower Project, Baglung, Parbat and Myagdi districts
2070/71-5	Feasibility Study and EIA Study of Sankhuwa Khola - 1 Hydropower Project, Sankhuwasabha district
2070/71-6	Screening and Ranking Study of Hydropower Projects
2070/71-7	Powerhouse Design Guidelines
2070/71-8	Operation and Maintenance Guidelines of Hydropower Plants, Substations and Transmission Lines
2070/71-9	Inspection Guidelines of Hydropower Plants, Substations and Transmission Lines
2070/71-10	Establishment of GIS Based License Management System (GBLMS) in DoED

2. The consulting firm can apply either singly or in joint venture such that the total number of firms including the lead firm does not exceed a maximum of four consulting firms. However the same firm is not allowed to enter into more than one joint venture for the same work.
3. Eligible Engineering Consulting Firms or their authorized representatives may obtain a hard copy of EOI document free of cost from DoED during office hours upon submission of an application letter on all working days within the 20<sup>th</sup> day of first publication of this notice.

EOI document can also be downloaded from the website <http://www.doed.gov.np> or <http://www.moen.gov.np>. The instruction to the consultant, prescribed formats, evaluation criteria, scope of work, duration of study and other details of the project are mentioned in the EOI document.



4. Duly completed EOI documents in hard copy should be submitted for each job separately to the address mentioned below clearly mentioning the name of the project in sealed envelopes before 12 Noon (NST-Nepal Standard Time) within 21<sup>st</sup> day of first publication of this notice :

The Director General  
Department of Electricity Development  
Anamnagar, Kathmandu  
Tel: 4481408, 4481614, 4479921, 4480218, 4496800 ext. 1401, 3202, 5700  
Fax: 4480257

5. If the deadline specified herein falls on a government holiday, the deadline shall be extended automatically to the next working day at the same hour.
6. Duly completed EOI documents received after the due date & time, will not be considered for evaluation and will be returned back.
7. The EOI submitted by consultant or their joint venture received by the due date and within the specified time will be opened at 2.00 PM on the 21<sup>st</sup> day for the jobs specified from Job No. 1 to 5 and the remaining jobs i.e. Job No. 6 to 10 will be opened on 22<sup>nd</sup> day at 2:00 PM; of first publication of this notice in the presence of the applicant or their authorized representatives. Absence of any applicant (or their authorized representative), however, shall not obstruct or prevent the opening of the EOI in any way.
8. The EOI documents submitted by consultant or joint venture Firms will be evaluated on the basis of the evaluation criteria approved by DoED. Only six top ranked firms obtaining at least 50 % marks in the EOI evaluation process will be listed separately for the said consultancy services as qualified firms.
9. The list of firms qualified in EOI process will be notified in due course of time for the submission of Technical and Financial proposals i.e. Request for proposal (RFP) Process. During RFP process, the consulting firm will be selected in accordance with Quality and Cost Based Selection procedure (QCBS).
10. DoED reserves the right to accept or reject any or all EOI proposals with or without giving any reason whatsoever.
11. Further information on the EOI can be obtained from DoED during office hours in all working days prior to the deadline of submission of completed EOI.

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# 1. INSTRUCTIONS TO APPLICANTS

## 1.1 INTRODUCTION

### 1.1.1 *Scope of Qualification*

1. DoED intends to prepare a list of local consulting firms, or their joint ventures, by inviting Expressions of Interest for conducting the feasibility study and environmental impact assessment study of Sankhuwa Khola-1 hydropower project (30 MW). The EOI process will be conducted in an open and transparent process managed by DoED.
2. Applicants intending to file an application in response to this EOI should submit an Application together with the duly completed EOI document providing all the information required therein at the address mentioned in the EOI document within the time period specified in this invitation for EOI.
3. The EOI documents submitted by the applicants shall be evaluated on the basis of the approved evaluation criteria. Only six top ranked applicants obtaining at least 50% marks in the EOI evaluation process shall be listed as qualified Firms.

### 1.1.2 *Definition of Terms*

Unless otherwise specified, the following terms used in this EOI have the following meanings:

“Applicant” means a single consulting firm or their joint venture that intends to submit or submit completed EOI document as per notice and this EOI document.

“Authorized Representative” means an individual authorized by the Applicant as the duly authorized entity to legally bind the Applicant to the EOI process, is the authorized signatory to the process, and is the point of contact for DoED in connection with the process.

“Bidder” means a successful Applicant those are short listed under this EOI and submits Technical and Financial proposal in response to RFP.

“DoED” means the "Department of Electricity Development".

“EIA” means "Environmental Impact Assessment".

"EPA" means "Environment Protection Act, 1997"

"EPR" means "Environment Protection Regulation, 1997"

“GoN” means "Government of Nepal".

“IEE” means "Initial Environmental Examination".

“IT” means "Income Tax".

“JV” means "Joint Venture".

“Lead Firm” means an entity or firm that is the authorized leader of a team comprising the Lead Firm and its constituents to submit the EOI and perform the assignment.

“EOI” means "Expression of Interest".

“MOSTE” means "Ministry of Science, Technology and Environment".

“MOEn” means Ministry of Energy.

“Project” means the Hydropower Project intended for study under this EOI and RFP.

“RFP” means a Request for Proposal.

“T/L” means Transmission Line.

“TOR” means "Terms of Reference".

“VAT” means "Value Added Tax".



### 1.1.3 Eligible Applicants

1. EOI process is open to local consulting firms registered in Nepal under GoN rules & regulations and/or their joint ventures. The Applicants shall have a good professional reputation with demonstrated competency in successfully conducting Feasibility Study/ Detail Engineering Design of hydropower projects and EIA/IEE Study of hydropower & other projects and have a sound financial status.
2. To be eligible for consideration in the EOI process, the Consulting firms shall be registered in Nepal as per the current legislation i.e. they should have valid firm registration, VAT registration certificate and should have tax clearance certificate for at least upto fiscal year 2068/69.
3. The Applicant shall submit Self Declaration mentioning their eligibility and litigation history (if any).

## 1.2 REQUEST FOR EXPRESSION OF INTEREST

### 1.2.1 Clarification on EOI Documents

A prospective Applicant requiring any clarification on this EOI document may contact DoED during office hours on all working days prior to the deadline for submission of the completed EOI document at the address indicated in Section 1.4.1

#### Contact person

Raj Kumar Shrestha

Senior Divisional Engineer

Hydropower Project Study Team

DoED, Anamnagar, Kathmandu

Tel:- 4480218, 4480276, 4496800 Ext:-3202

Fax:- 4480257

### 1.2.2 Amendment to EOI Documents

1. At any time prior to the deadline for the submission of the completed EOI document, DoED may amend the EOI, for any reason, whether on its own initiative or in response to a clarification requested by an Applicant.
2. All applicants will be notified in writing about the amendments. All applicants will be bound by the amendments. Applicants will be required to acknowledge receipt of any amendment within three business days of such receipt. Otherwise, DoED will assume

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that the information contained in the amendment is taken into account by the Applicant in its Application.



### 1.3 PREPARATION OF THE EOI DOCUMENT FOR SUBMISSION

#### 1.3.1 Documents for EOI

The completed EOI documents to be submitted by Applicants shall comprise of the following documents:

Form Type	Description/Content
<b>Form A</b>	Information Regarding Technical & Financial Capability of the Consulting Firm
<b>Form A-1</b>	Letter of Submission
<b>Form A-2</b>	Joint Venture Information
<b>Form A-3</b>	Self Declaration Form
<b>Form A-4</b>	Commitment to Code of Ethics and Anti-Corruption Policy
<b>Form A-5</b>	Eligibility Status
<b>Form A-6</b>	Identification of the Consulting Firm
<b>Form A-7</b>	Logistic Support of the Consulting Firm
<b>Form A-8</b>	Financial Capability of the Consulting Firm
<b>Form B</b>	Relevant Work Experience of the Firm in Hydropower and EIA/IEE studies
<b>Form B-1</b>	Relevant Work Experience of the Firm in Hydropower Projects
<b>Form B-2</b>	Relevant Work Experience of the Firm in EIA/IEE Study of Hydropower and other Projects
<b>Form B-3</b>	Details of the work completed by Consulting Firm (s)
<b>Form C</b>	Details of Key Professional Staffs to be Deployed for Study

Applicant shall submit an original and 1 (one) extra set of copy of the completed EOI document clearly mentioning Original and Copy and name of the project. In the event of any discrepancy between the original and the copy, the original shall govern.

#### 1.3.2 Submission of EOI in Joint Venture

A firm submitting the EOI in a joint venture shall furnish a duly signed Joint Venture Agreement stating responsibility of each partner in the Joint Venture and name of authorized signatories through a power of attorney signed by each Joint Venture firm.

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### 1.3.3 *Cost of Preparation of EOI and Liability*

Applicant shall bear all costs associated with the preparation and submission of the completed EOI document. DoED will, in no case, be responsible or liable for these costs, or have any other liability to any Applicant, regardless of the conduct or outcome of the EOI process. DoED shall have no obligation to any Applicant to reimburse any costs incurred in preparing a response to this EOI.

### 1.3.4 *Confidentiality of the Document*

If an Applicant believes that any portion of the submittal is to be treated in confidence, he/she shall identify such information clearly in the submittal. DoED will make every effort to treat such documents in confidence as far as possible.

## 1.4 SUBMISSION OF EXPRESSION OF INTEREST (EOI)

### 1.4.1 *Sealing and Marking*

1. The Applicant shall seal the original and copy of the completed EOI in separate envelopes, duly marking the envelopes as “Original” and “Copy”. These envelopes shall then be sealed in an outer envelope and marked as “Expression of Interest”. The inner as well as outer envelope should clearly mention the name of the project (assignment).
2. The inner and the outer envelopes shall be addressed to:  
The Director General  
Department of Electricity Development  
Anamnagar, Kathmandu, Nepal  
Tel: 4481408, 4481614, 4479921, 4480218, 4496800 ext. 1401, 3202, 5700  
Fax: 4480257
3. The envelopes should also indicate the name and address of the Applicant for identification purposes.
4. The Applicant shall also submit an electronic copy of the information provided in sections 2.1.2, 2.1.3 and 2.1.4. However, the evaluation of the EOI document shall only be based on the hard copy of the EOI application submitted by the applicant.

### 1.4.2 *Deadline for Submission*

1. The completed EOI document must be submitted to DoED at the address specified in Section 1.4.1 before 12:00 hr Nepal Standard Time (NST) **within 21<sup>st</sup> day from first publication of this notice.**

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The completed EOI documents received by DoED after the deadline set forth in Section 1.4.2 shall be considered late and shall be summarily rejected and returned unopened.

3. If the deadline specified herein falls on a government holiday, the deadline shall be extended automatically to the next working day at the same hour.

#### 1.4.3 *Withdrawal of EOI document*

An Applicant shall not be permitted to withdraw the EOI Application that has been submitted.

### 1.5 PUBLIC OPENING OF SUBMITTED EOI DOCUMENT

Completed EOI document received by the due date and within the time specified in Clause 1.4.2 will be opened at 2.00 PM NST on the 21<sup>st</sup> day for the submission of EOI documents for the jobs specified from Job No. 1 to 5 and the remaining jobs i. e. Job No. 6 to 10 will be opened on 22<sup>nd</sup> day at 2:00 PM from the date of notice publication in the presence of the applicants or their authorized representatives. Absence of any applicant or authorized representative, however, shall not obstruct or prevent the opening process in any way. Applicants' each designated representative must bring a letter from the applicant stating that he/she is authorized to represent the applicants for the public opening of the EOI document. Applicants or their authorized representatives who are present at the time of opening shall sign in a register evidencing their presence.

During the opening, an authorized representative of DoED will read out the names of the applicants who have submitted the completed EOI document and then will open the submitted EOI envelopes.

### 1.6 EVALUATION PROCESS

#### 1.6.1 *Evaluation of EOI Documents*

DoED will carry out evaluation of the EOI documents based on the criteria approved by DoED. Anything not mentioned in this document regarding the EOI process shall be governed by the prevailing rules and regulations of Nepal.

The basic criteria for the evaluation of EOI documents are as follows:

#### A. Eligibility Requirement (Form A-5)

i	Valid Registration Certificate
ii	VAT Certificate
iii	Tax clearance certificate (for fiscal year 2068/69)
iv	Self Declaration as shown in Form-A-3

Note: Each member in the JV shall submit the above eligibility documents.

#### Additional (for JVs)

i	Joint Venture (JV) Agreement between the JV Partners and Power of Attorney signed & sealed by each member of JV.
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ii	The minimum share percentage of lead firm must be 40. Also the lead firm should hold the power of attorney.
iii	Turnover of the lead firm must be the highest among all of the JV members.

Applicant(s) failing to submit above basic criteria shall be disqualified.

#### B. Mark allotted for EOI evaluation

SN	Description
i	Capability of Firm – <b>20 Marks</b> .
ii	Experience of the firm in Feasibility Study and/or Detail Engineering Design of Hydropower projects & EIA/IEE studies of Hydropower and other projects during the last five years – <b>50 Marks</b>
iii	Personnel proposed to be deployed for this project (Qualification and Experience) – <b>30 Marks</b>

Evaluation of the EOI document will be carried out based on evaluation criteria mentioned in Annex-2.

The list of firms qualified in EOI process will be notified in due course of time for the submission of Technical and Financial proposals i.e. RFP Process. During RFP process the consulting firm will be selected in accordance with Quality and Cost Based Selection procedure (QCBS).

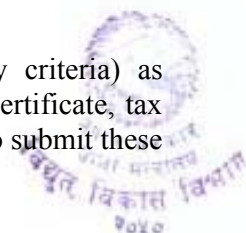
#### 1.6.2 Clarification during Evaluation by DoED

1. During the evaluation, DoED may request the Applicant for necessary clarifications. The Applicant shall furnish the necessary clarifications expeditiously by post/courier/fax/e-mail or by any other means of communication to DoED at the address given in Clause - 1.4.1.
2. Failure to provide information essential to evaluate the Applicant's qualifications, or to provide timely clarifications or substantiation of the information furnished, DoED would be at liberty to declare such bidder as non-responsive and reject his/her document.

#### 1.6.3 Rejection of EOI Document of Applicant

1. DoED reserves the right to accept or reject any or all EOI proposals with or without giving any reason whatsoever and is not liable for any losses to Bidders due to such rejection.
2. The consulting firm must submit the eligibility documents (eligibility criteria) as indicated in 1.6.1 above viz; valid registration certificate of firm, VAT certificate, tax clearance certificate and Self Declaration as shown in Form-A-3. Failure to submit these documents will result in rejection of the application.

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3. Furnishing of false or wrong information, document or evidence by any firm or joint venture may result in rejection of the EOI document of the firm or their joint ventures.

#### **1.7 NOTICE OF RESULT OF EVALUATION**

All applicants irrespective of the qualification or disqualification will be notified in writing the result of qualification in due course of time. An applicant listed in the short-listing will be considered as qualified firm and will be invited to participate in the Request for Proposal process.

#### **1.8 APPLICATION IN JOINT VENTURE**

By submitting an EOI in joint venture, the Applicant represents that, if qualified and if awarded the contract after the RFP process, the Applicant with its constituent members shall be jointly responsible to perform the obligations of such contract.

#### **1.9 SCOPE OF WORK AND DURATION OF STUDY**

The scope of study of the project and study duration of the project is given in Annex-1

#### **1.10 EVALUATION CRITERIA FOR THE EOI**

The evaluation criteria of EOI is given in Annex-2

#### **1.11 GENERAL INFORMATION OF THE PROJECT**

The information regarding the project and project area is provided in Annex- 3.

A handwritten signature in blue ink, appearing to be 'S. S. S.', is written over a horizontal line. Below the signature, the date '24/11/06' is written in a circular stamp.

## 2. CONTENT OF EOI DOCUMENT AND INSTRUCTIONS TO THE APPLICANT

### PREPARATION AND COMPLETENESS OF EOI APPLICATION

The EOI document shall be structured in accordance with the outlines given in the EOI form and must contain accurate and complete information as requested in the EOI form. **The EOI document shall have no interlineations or overwriting, except as necessary to correct errors made by the Consulting Firm itself. Any such correction must be initialed by the person authorized to sign the application and stamped with the firm's seal.**

#### 2.1.1 General Information

1. The Applicant shall provide a Letter of Submittal with completed forms as provided in the Format Forms A to C in the EOI document. All necessary information shall be presented to demonstrate the firm/joint venture's capability, experience and professionals to be deployed for the study.
2. The Applicant shall enclose copies of registration certificate, tax clearance certificate, experience certificate or completion certificate, audit report of last three years and other relevant information.
3. The Applicant shall provide a statement of its willingness and commitment to abide by all applicable laws, regulations, and other requirements having the effect of law in the execution of this study, if selected.

#### 2.1.2 Information Regarding Technical & Financial Capability of the Consulting Firm

##### **Form A-1:** Letter of Submission

The applicant shall submit with the EOI a submittal letter with name and full contact information of the authorized representative. The letter shall be signed by an authorized person of the firm or lead firm in the joint venture and shall be stamped by the company's seal. The format of submittal letter is given in Form A-1 of the document EOI. The letter shall also include the name of project being applied for.

##### **Form A-2:** Joint Venture Information

The applicant shall submit the joint venture information in Form A-2. The association between the Consulting Firms should be in the form of a joint venture only. The Joint Venture Agreement should clearly mention share percentage in JV and Power of Attorney must be submitted with the EOI Application.

##### **Form A-3:** Self Declaration Statement of Consultant

The applicant shall submit a self declaration statement stating that the Consulting Firm (all members in the joint venture) is not ineligible to participate in this procurement process,

that the Consulting Firm does not have any conflict of interest in the proposed assignment, and that the consulting Firm has not received any punishment while doing consulting business in last five years. The self declaration letter shall be signed by an authorized person of the Consulting Firm and shall be stamped by the company's seal. The format of the self declaration letter is given in Form A-3 of this EOI document.

**Form A-4: Commitment of Code of Ethics and Anti-corruption Policy**

The applicant shall submit a statement stating that the Consulting Firm shall abide by the code of ethics and anti-corruption policy. This commitment to abide by code of ethics and anti-corruption policy shall be presented in Form A-4 of this EOI document

**Form A-5: Eligibility Status**

The applicant shall fill form A-5 and submit supporting documents to support the eligibility requirements(s). The supporting documents will be in the form of copies of registration certificate, VAT Certificate and Tax Clearance Certificate.

**Form A-6: Identification of the Firm**

The background information of the consulting firm shall be presented in the prescribed Form A-6. Necessary documentary evidences should be provided to substantiate the data contained in the Form A-6.

**Form A-7: Logistics of the Firm**

The logistics of the consulting firm shall be presented in the prescribed Form A-7 of this EOI document. Necessary documentary evidences should be provided to substantiate the data contained in the Form A-7.

**Form A-8: Financial Capability of the Firm**

The financial capability of the consulting firm shall be presented in the prescribed Form A-8 of this EOI document. The financial status of the Consulting Firm shall be supported with audited reports for the preceding fiscal years. The financial capability of the Consulting Firm shall not be considered for evaluation if not supported by copies of audit reports.

**2.1.3 Relevant Work Experience of the Firm**

**Form B-1: Experience of the Firm in Study of Hydropower Projects**

Relevant Experience of the firms in Feasibility Study and Detail Engineering Design of hydropower projects in the last 5 yrs shall be presented in the prescribed Form B-1. The experience of the Consulting Firm shall be supported with evidence/proof in the form of experience certificates/completion certificates showing the dates of completion of the assignments, capacity of the project and value of the consulting assignments. The experience of the Consulting Firm without evidence/proof shall not be considered for evaluation.



**Form B-2:** Experience of the Firm in EIA/IEE Study of Hydropower and other Projects

The relevant Experience of the firms in EIA/IEE Study of hydropower and other projects in the last 5 yrs shall be presented in the prescribed Form B-2. The experience of the firm shall be supported with evidence/proof in the form of experience/ completion certificates showing the dates of completion of the assignments. The experience of the firm without evidence/proof will not be considered for evaluation. For experience in environmental study of projects, only EIA/IEE of projects which are approved as per Environmental Protection Act, 1997 and Environmental Protection Rule 1997 and its amendments will be considered for evaluation.

**Form B-3:** Details of the work completed by Consulting Firm (s)

The details of the experience of the Firm(s) in Hydropower Project study and EIA/IEE Study of Hydropower and other Projects shall be presented in prescribed Form B-3.

**2.1.4** *Details of Key Professional staff to be deployed for the Study*

**Form C**

The details of proposed key professional staff to be deployed for the study and their experience shall be presented in prescribed Form C.

*Note: The firm is requested to provide the information provided in sections 2.1.2, 2.1.3 and 2.1.4 in electronic form (prepared in word or excel) after the opening date of the submitted EOI documents.*

A handwritten signature and date, possibly '26/11/06', written in blue ink on a light blue background.

FORM A-1

**LETTER OF SUBMITTAL**



*[Letterhead of the Applicant, In case of Joint Venture, of the Lead Firm)*

Date: .....

To:  
The Director General  
Department of Electricity Development  
Anamnagar-Thapagaon  
Kathmandu, Nepal

Sirs,

Being duly authorized to represent and act on behalf of .....

.....

. (hereinafter “the Applicant”), and having reviewed and fully understood all the information provided in EOI, the undersigned hereby apply for qualification by DoED as a consultant for the Feasibility Study and Environmental Impact Assessment (EIA) Study of Sankhuwa Khola-1 Hydropower Project.

1. DoED and its authorized representatives are hereby authorized to verify the statements, documents, and information submitted in connection with the submitted EOI. This Letter will also serve as authorization to any individual or authorized representative of any institution referred to in the supporting information, to provide such information deemed necessary and requested by you to verify statements and information provided in this EOI, or with regard to the resources, experience, and competence of the Applicant.
2. DoED and its authorized representatives are authorized to contact any of the signatories to this letter for any further information.
3. This application is made in the full understanding that all decisions by DoED related to this EOI are final, binding and not subject to review. DoED shall be under no obligation to inform the Applicant of the reasons for its decisions or actions.
4. The Applicant hereby provides willingness and commitment to abide by all applicable laws, regulations, and other requirements having the effect of law in the execution of this study, if selected.
5. All further communication concerning this EOI proposal should be addressed to the following person who is authorized to represent and to receive all communication on behalf of the Applicant and its constituents.

[Person & Designation]

[Company]

[Address]

[Phone, Fax, Email]

6. The undersigned declare that the statements made and the information provided in the duly completed EOI proposal are complete, true and correct in every detail.

Signed :

Name :

Designation :

For and on behalf of (Name of Applicant :  
or Lead Firm in the joint venture)



**FORM A-2**

**JOINT VENTURE INFORMATION**

If the EOI is being submitted in Joint Venture, provide Joint Venture Information

SN	NAME OF FIRM	Postal Address, TEL, FAX and E-mail	NAME OF CONTACT PERSON	TELEPHONE OF CONTACT PERSON	SHARE PERCENTAGE IN JV
1.	Lead Firm:				
2.	Partner Firm:				
3.					
4.					

Note:

1. Maximum four (4) Firms can make Joint Venture.
2. In case of JV, the minimum share percentage of lead firm must be 40. Also the lead firm should hold the power of attorney.
3. provide duly signed and stamped joint venture agreement and power of attorney of the signatories by each member in the JV.

**Attachment**

1. Joint Venture Agreement
2. Power of attorney of the signatory (ies) of the Applicants

Yes/No





FORM A-3

**SELF DECLARATION FORM**

Date:.....

To,  
Director General  
Department of Electricity Development  
Anamnagar, Kathmandu



Sir,

We, .....  
(name of all Consulting Firm) declare that we are legally eligible to participate in the procurement process of consulting services for the Feasibility Study and EIA Study of Sankhuwa Khola-1 Hydropower Project.

We also declare that we do not have any conflict of interest in the said assignment.

We hereby also declare that we have not received any punishment while doing consulting business in the last five years.

Note: (If any member of the consulting Firm is not eligible to participate in procurement process or has conflict of interest in the said assignment or has received any punishment while doing consulting business in the last five years, the same must be clearly mentioned in this form. Any history of litigation during the last five years shall also be declared here along with the relevant verdict.)

Firm 1	Firm 2	Firm 3	Firm 4
Signature:	Signature:	Signature:	Signature:
Name:	Name:	Name:	Name:
Designation:	Designation:	Designation:	Designation:
For and on behalf of :	For and on behalf of:	For and on behalf of:	For and on behalf of:

FORM A-4

## COMMITMENT TO CODE OF ETHICS AND ANTI-CORRUPTION POLICY

Provide the Firms' commitment to code of ethics and anti-corruption policy and a mechanism to monitor the adherence to these policies.



24/10/16

**FORM A-5**

## ELIGIBILITY STATUS

### Fulfillment of Eligibility Requirements

Description	Status (Yes/No)	Remarks
Valid Registration Certificate (of each member of JV, in case of JV.)		
VAT Certificate (of each member of JV, in case of JV.)		
Tax clearance certificate at least of fiscal year 2068/69 (of each member of JV, in case of JV.)		
Self Declaration as per Form A-3		
Joint Venture (JV) Agreement between the JV Partners and Power of Attorney signed & sealed by each member of JV, in case of JV.		
In case of JV, the minimum share percentage of lead firm must be 40. Also the lead firm should hold the power of attorney.		
In case of JV, turnover of the lead firm must be the highest among all of the JV members.		

26/1/06

FORM A-6

**IDENTIFICATION OF FIRM**

Full name of the Firm:

Address:



(Please attach location map of your office)

Telephone number: Fax number: E-mail: Others:	<b>Year of Establishment:</b> Number of Years since establishment:
<b>Corporate Registration:</b> Date of Registration: Registration No: Date of last renewal: Valid up to:	<b>VAT Registration:</b> Date of Registration: VAT Registration No:
<b>Name and address of contact person:</b> Name and Designation of Contact Person: Address:  Telephone number (Office): Telephone number (Residence) : Mobile no: Fax: Email:	

*Note: In case of the applicant being joint venture, provide similar information for each member in the joint venture separately*

FORM A-7

**LOGISTIC SUPPORT OF FIRM**

Total office space (Sq. ft.)	
No of Rooms	
Number of vehicles (four wheelers)	
Number of two wheelers vehicles	
Computer net work in office	Yes <input type="checkbox"/> No <input type="checkbox"/>
Number of computers	
Number of printers	
Number of theodolites/total stations (with all accessories)	
Number of level instruments (with all accessories)	
Number of photocopy machine	
Do you have your own drilling equipment (If yes please attach a specification sheet)	Yes <input type="checkbox"/> No <input type="checkbox"/>
Do you have your own material testing laboratory (If yes please attach a specification sheet)	Yes <input type="checkbox"/> No <input type="checkbox"/>



Signed :

Name & Designation :

For and on behalf of (Name of Applicant or Lead Firm of joint venture) :

Note:  
In case of joint venture, provide similar information for each member in the joint venture separately

*Handwritten signature and date 26/11/06*

FORM A-8

**FINANCIAL CAPABILITY**

Full name of the Consulting Firm:



**FINANCIAL STATUS**

Description	Amount
Total assets	
Total liabilities	
Current liabilities	
Current assets	
Current credit resources	

Description	2065/066	2066/067	2067/068	2068/069	2069/070	Average Annual
Turnover (NRs.)						

Note:


1. Provide similar information for each member in case of joint venture.
2. Average annual turnover of best three of last five years will be considered for evaluation. Supporting documents (Audited Report) should be submitted
3. In case of JV, turnover of the lead firm must be the highest among all of the JV members.

24/10/6

**FORM B-1**

**RELEVANT WORK EXPERIENCE OF THE FIRM IN HYDROPOWER PROJECTS (IN LAST FIVE YEARS)**

(EXPERIENCE IN HYDROPOWER PROJECTS FOR FEASIBILITY STUDY AND/OR DETAIL ENGINEERING DESIGN)

S. N.	NAME OF PROJECT (MENTION THE CAPACITY OF HYDROPOWER PROJECT STUDIED)	LOCATION/ RIVER	CLIENT	VALUE OF CONTRACT	YEAR OF COMPLETION	DESCRIPTION OF RELEVANT WORK CARRIED OUT
1.						
2.						
3.						
4.						

Note: The experience of the firm shall be supported with its evidence/proof of experience/ completion certificates showing the project size and date of completion of the assignment. The experience of the firm without evidence/proof or experience certificate will not be considered for evaluation purpose. **Details of the work completed by Consulting Firm (s) should be filled in Form B-3**

Date:

Signature & Designation of Applicant:

Seal of the Firm

**FORM B-2**

**RELEVANT WORK EXPERIENCE OF THE FIRM IN EIA/IEE STUDY (IN LAST FIVE YEARS)**

(EXPERIENCE IN EIA/IEE STUDY OF HYDROPOWER PROJECTS, TRANSMISSION LINE, IRRIGATION AND OTHER PROJECTS)

S. N.	NAME OF PROJECT (IF HYDROPOWER OR TL MENTION CAPACITY OF PROJECT)	LOCATION	CLIENT	VALUE OF CONTRACT	YEAR OF COMPLETION	DESCRIPTION OF RELEVANT WORK CARRIED OUT
1.						
2.						
3.						
4.						

Note:

- The experience of the firm shall be supported with evidence/proof of experience/ completion certificates showing the project size and date of completion of the assignment. The experience of the firm without evidence/proof or experience certificate will not be considered for evaluation.  
**Details of the work completed by the Firm should be filled in Form B-3**
- For experience in EIA/IEE study projects, the EIA/IEE study of projects which were approved as per the Environmental Protection Act, 1997 and the Environmental Protection Rule 1997 will only be considered for evaluation.
- In case of private client, the completion certificate provided by the client should mention the public entity at least by the applicant (firm) where the study reports are submitted.

Date:

Signature & Designation of Applicant:

Seal of the Firm

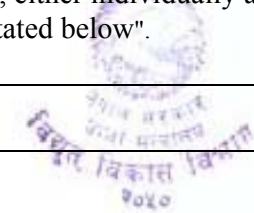


### FORM B-3

## MAJOR WORK DURING LAST FIVE YEARS WHICH BEST ILLUSTRATES QUALIFICATIONS

**(Details of work indicated in forms B-1 & B-2)**

"The following information should be provided in the format indicated for each reference project for which your company, either individually as a corporate entity or as a one of the major companies within a consortium was legally contracted by the client stated below".



<b>Project Name:</b>		<b>Country:</b>
Project Location:		Professional Staff Provided by your Company:
Name of client:		No. Staff:
		No. of Man-months:
Start Date: (Month/Year)	Completion Date: (Month/Year)	Approximate Value of Services:
Name of associated firm(s) if any:		No. of man-months of Professional Staff provided by associated firm(s).
Name of Senior Staff (Project Director/Coordinator, Team Leader) involved and functions performed:		
Detailed Narrative Description of Project;		
Detailed Description of actual Services Provided by your company:		

26/1/06

**FORM - C**

**DETAILS OF KEY PROFESSIONAL STAFF TO BE DEPLOYED FOR THE STUDY**

S. N.	DESIGNATION	NAME	QUALIFICATION (INCLUDING UNIVERSITY & YEAR OF DEGREE OBTAINED)	YEARS WITH COMPANY	TOTAL YEARS OF EXPERIENCE	FULL OR PART TIME
1.	Project coordinator					
2.	Team Leader					
3.	Hydropower Engineer					
4.	Senior Surveyor					
5.	Engineering Geologist					
6.	Geotechnical Engineer					
7.	Geophysist/ Seismologist					
8.	Hydrologist					
9.	Hydraulic Engineer					
10.	Structural Engineer					
11.	Highway Engineer					
12.	Electrical Engineer					
13.	Mechanical Engineer					
14.	Cost Estimator (Civil Engineer)					
15.	Economist (Financial Analyst)					
16.	EIA Expert (EIA Team)					

26/11/20

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२०१०

S. N.	DESIGNATION	NAME	QUALIFICATION (INCLUDING UNIVERSITY & YEAR OF DEGREE OBTAINED)	YEARS WITH COMPANY	TOTAL YEARS OF EXPERIENCE	FULL OR PART TIME
	Leader/Coordinator)					
17.	Environmental Engineer					
18.	Sociologist/Anthropologist					
19.	Zoologist/Aquatic Life Expert					
20.	Botanist/Ecologist/Forest Expert					
21.	EMP Expert					
22.	Resettlement Expert					

Date:

Signature & Designation of Applicant:

Seal of the Firm

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## The scope of study of the project and duration of study

The task in this project is to carry out the Feasibility Study including EIA study of Sankhuwa Khola-1 Hydropower Project (30 MW). Therefore, the prime scopes of the consulting service shall be to conduct field investigations and design, to prepare bankable feasibility reports including all the drawings, collected data/information and engineering calculations.

The studies by the consulting service shall be divided into two components:

- a) Feasibility Study, and
- b) Environment Impact Assessment (EIA) Study

Both of those studies shall be carried out simultaneously. The Feasibility Study report shall contain short description of the EIA component and the detailed report on EIA shall be presented separately. The Feasibility Study shall be carried out in accordance with the scope of work mentioned below and detailed TOR shall be provided in the process of RFP. For any other matters not covered in the scope of work and TOR, the consultant should refer to the Guidelines for Study of Hydropower Projects (December 2003).

The scope of work to be carried out on this feasibility study includes, but not limited to;

- Topographical Survey
- Hydrological, Sedimentological and Meteorological Studies
- Engineering Geological Mapping
- Geophysical Surveys (2D ERT Survey or Seismic Refraction)
- Alternative configuration studies
- Drilling and field testing
- Construction material survey and testing
- Test pitting and trenching
- Test on core samples
- Road Alignment/Transmission Line Survey
- Optimization studies
- Project Layout and Design
- Power evacuation study
- Construction Planning
- Cost Estimates
- Economic Evaluation
- Financial Analysis
- Sensitivity Analysis

24/1/06

Similarly the Consultant shall carry out the Environmental Impact Assessment (EIA) study of the project. EIA study shall be carried out in accordance with the approved Scoping Document and TOR by the Ministry of Science, Technology and Environment as per requirements of the prevailing Environmental Protection Act, 1997 and Environmental Protection Rule 1997. A separate detailed report of EIA shall be submitted to DoED.

**Duration of study**

The Feasibility study and EIA study of Sankhuwa Khola-1 hydropower project shall be completed within 30 months.



*Annex-2*



## The Evaluation Criteria for EOI Document

### A. Eligibility Criteria

<b>Eligibility Requirement (each member JV must fulfil in case of JV)</b>		<b>Status</b>
i	Valid Registration Certificate of the Firm	Yes
ii	VAT Certificates	Yes
iii	Tax clearance certificate (at least upto fiscal year 2068/069)	Yes
iv	Self declaration as per Form A-3	Yes
v	Joint Venture Agreement in case of Joint Venture	Yes
vi	In case of JV, the minimum share percentage of lead firm must be 40. Also the lead firm should hold the power of attorney.	Yes
vii	In case of JV, turnover of the lead firm must be the highest among all of the JV members.	Yes

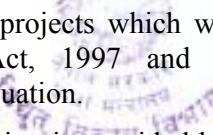
### B. Evaluation Criteria

<b>S.N</b>	<b>Description</b>	<b>Marking</b>	<b>Weightage</b>
<b>A</b>	<b>Capability of Firm</b>	<b>20</b>	
<b>I</b>	<b>Average Annual Turn Over in best three of last five fiscal years (of fiscal years 2065/066, 2066/067, 2067/068, 2068/069 &amp; 2069/070)</b>		<b>15.00</b>
i	> 13 million	100%	
ii	10 to 13 million	85%	
iii	< 10 million	70%	
<b>II</b>	<b>Logistic of the Firm that can be made available for this project (Office Space, Computer, Printer and Photocopy machine).</b>		<b>5.00</b>
i	Excellent (Office space $\geq 100$ m <sup>2</sup> , computer $\geq 5$ no., Printer $\geq 5$ no. and Photocopy machine $\geq 3$ no.)	100%	
ii	Good (Office space $\geq 75$ m <sup>2</sup> , computer $\geq 3$ no., Printer $\geq 3$ no. and Photocopy machine $\geq 2$ no.)	85%	
iii	Satisfactory (Office space $\geq 50$ m <sup>2</sup> , computer $\geq 1$ no., Printer $\geq 1$ no. and Photocopy machine $\geq 1$ no.)	70%	
<b>B</b>	<b>Experience of the firm in last 5 yrs: (Any one Completed Project will be Considered for Evaluation).</b>	<b>50</b>	

<b>Work complete Certificate with contract value must be attached.</b>			
	<b>I</b>	<b>Experience in Feasibility Study or Detail Engineering Design of Hydropower Project</b>	<b>30.00</b>
	i	Hydropower Project with Capacity more than 15 MW	100%
	ii	Hydropower Project with Capacity more than 10 MW upto 15 MW	85%
	iii	Hydropower Project with Capacity more than 5 MW upto 10 MW	70%
	<b>II</b>	<b>Experience of the Firm in EIA or IEE Study of Project</b>	<b>20.00</b>
	i	Experience in EIA study of hydropower project	100%
	ii	Experience in IEE of Hydropower project	85%
	iii	Experience in IEE or EIA study of transmission line or other water resources projects.	70%
<b>C</b>	<b>Proposed Key Personnel of the Firm (Qualification &amp; Experience) - Marks will be equally distributed among the list of Personnel /Professionals.</b>		<b>30</b>
	<b>I</b>	<b>Qualification of the Key Personnel:</b> (Refer note d(i) for details)	<b>10.00</b>
	i	Ph. D. Holders	100%
	ii	Master Degree Holders	85%
	iii	Bachelor Degree Holders	70%
	<b>II</b>	<b>Experience of the Key Personnel:</b> (Refer note d(i) for details)	<b>20.00</b>
	i	Work experience of more than 15 years	100%
	ii	Work experience of 10 to 15 years	85%
iii	Work experience of 5 to less than 10 years	70%	
<b>Total Marks</b>			<b>100.00</b>

Note:

- a)
  - i. Evidence in form of firm's registration certificates, income tax clearance certificate, experience certificate or work completion certificate, audit report and other relevant information shall be furnished. The experience of the firm without the experience certificate or work completion certificate will not be considered for evaluation.
- b)
  - i. For the evaluation of the firm's financial capability, audit report of the best three fiscal years in the last five years will be examined.
  - ii. The relevant figures/numbers of the each members of joint venture shall be added together to arrive at the joint venture's figures/numbers for the purpose of evaluation.
- c)
  - i. The experience of the firm shall be supported with evidence/proof of experience/ completion certificates showing the project size and date of completion of the assignment. The experience of the firm without evidence/proof or experience certificate will not be considered for evaluation. **Details of the work completed by the Firm should be filled in Form B-3.**

- 
- ii. For experience in EIA/IEE study projects, the EIA/IEE study of projects which were approved as per the prevailing Environmental Protection Act, 1997 and the Environmental Protection Rule 1997 will only be considered for evaluation.
- iii. In case of firms experience in the hydropower sector if the completion is provided by a private client, the firm should mention the name of the public authority where the study reports were submitted.
- d) i. Marks will be given only to the key personnel listed in details of professional staffs to be deployed for the study. The marks will be equally distributed among the list of key personnel. Minimum year of experience required of the key professionals will be 5 years except for project coordinator, team leader and hydropower engineer for whom the minimum years of experience will be 15. Minimum qualification required for the key professionals will be bachelor degree in relevant fields except for project coordinator, team leader and hydropower engineer for whom the minimum qualification will be master degree in Engineering for team leader and hydropower engineer; and master degree in Engineering/Management for project coordinator.
- e) i. Part time personnel will be evaluated with only 80 % weightage.
- ii. Public/Semipublic entities' employees need to submit official no objection letter to provide consultancy services. Failure to submit this will cause Zero marks in his/her evaluation.
- iii. Any key personnel proposed by one consulting firm repeated with other consulting firm(s) for the same project will not be evaluated. In the similar manner, same key personnel should not be proposed for more than three projects.
- f) i. The information furnished by the Firm(s) in EOI document should be realistic. If any discrepancies/faults are found, legal action shall be taken as per prevailing rules and regulations.
- g) i. Only six top ranked firms obtaining at least 50 % marks in the EOI evaluation process will be listed as qualified firms.

**List of Key Personnel/Professionals**

- 1 Project coordinator
- 2 Team Leader
- 3 Hydropower Engineer
- 4 Senior Surveyor
- 5 Engineering Geologist
- 6 Geotechnical Engineer
- 7 Geophysicist/Seismologist
- 8 Hydrologist
- 9 Hydraulic Engineer
- 10 Structural Engineer
- 11 Highway Engineer





- 12 Electrical Engineer
- 13 Mechanical Engineer
- 14 Cost Estimator (Civil Engineer)
- 15 Economist (Financial Analyst)
- 16 EIA Expert (EIA Team Leader/Coordinator)
- 17 Environmental Engineer
- 18 Sociologist/Anthropologist
- 19 Zoologist/Aquatic Life Expert
- 20 Botanist/Ecologist/Forest Expert
- 21 EMP Expert
- 22 Resettlement Expert

26/2/06

*Annex-3*



## GENERAL INFORMATION OF THE PROJECT

### Project Description of Sankhuwa Khola-1 Hydropower Project (SK-1HPP)

#### Location

Sankhuwa Khola-1 Hydropower Project (SK-1HPP) is located in Sankhuwasabha district of the Eastern Development Region of Nepal. The proposed project lies between the latitudes 27°29'02" N to 27°32' 28" N and the longitudes 87°04'25"E to 87°06'04"E in Bala and Tamku VDCs, Shankhuwasabha District and is about 24 km from Tumlingtar, Shankhuwasabha District. The project site is linked from Sitalpati to Tumlingtar by 7 km seasonal road, rest 17 km foot trail. The nearest airport is situated in Tumlingtar, Shankhuwasabha District.

#### Geology

The project area lies in the Higher Himalayan region. Schist and Gneiss intercalation with quartzite are the prominent rock type in the project area. There is exposed rock on both the right and the left banks and covered with alluvial and colluvial deposits. No faults, active landslide and shear zone in the project area. There is thick vegetation in the area and the tunnel area is covered by thick overburden of weathered rock and colluvium deposits.

#### Hydrology

Sankhuwa Khola which is one of the tributaries of Arun River, has total catchment area of 188.5 km<sup>2</sup> at intake. There is no discharge measuring gauging station on the river. The mean annual flow estimated at intake is 11.51 m<sup>3</sup>/sec based on hydrological and catchment characteristics. The design flow is based on the 40<sup>th</sup> percentile flow and is equal to 8.72 m<sup>3</sup>/sec. The average annual runoff computed is 3000 mm. The findings of the hydrological assessment are presented in the table given below:

Table 1: Findings of hydrological assessment:

Probability of Exceedance (%)	95	65	40	35
Discharge (m <sup>3</sup> /sec)	1.41	3.03	8.72	10.97

#### Layout

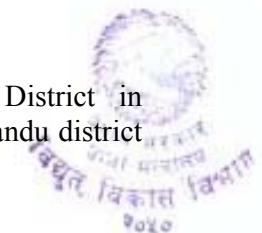
Shankhuwa Khola-1 HPP is a run of river project. The available gross head is about 440 m and the design discharge is 8.72 m<sup>3</sup>/sec giving a total installed capacity of 30 MW. The headworks consist of approximately 35 m long diversion weir including intake and sluice gate. The proposed weir level is proposed at elevation of 1140.00 m amsl. An approach canal of length 30.0 m conveys water to Settling basin. The Settling basin has been proposed on the right bank of the Sankhuwa Khola. A tunnel of length 4.6 km feeds water from Settling basin to the Surgetank/forebay. Later, the design flow for power generation is conveyed from Surgetank/forebay to powerhouse by a steel penstock pipe of diameter 1.67 m and 1500 m length. A surface powerhouse is proposed on the right bank with the turbine axis at an elevation of 700 m amsl.

#### Energy

Total installed capacity of this plant is 30 MW and total annual generation is about 160 GWh without outage. Total dry seasonal energy is 27 GWh and wet season energy is 133 GWh.

#### Access

Presently, the project site is located in Bala and Tamku VDCs, Shankhuwasabha District in Koshi Zone accessible by vehicle piable black topped and gravel road from Kathmandu district

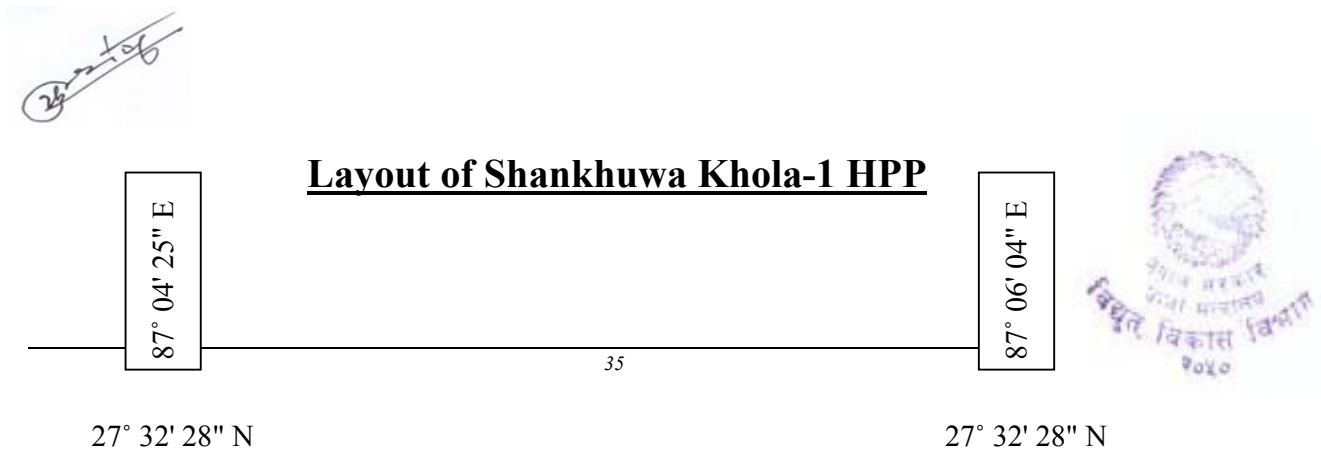


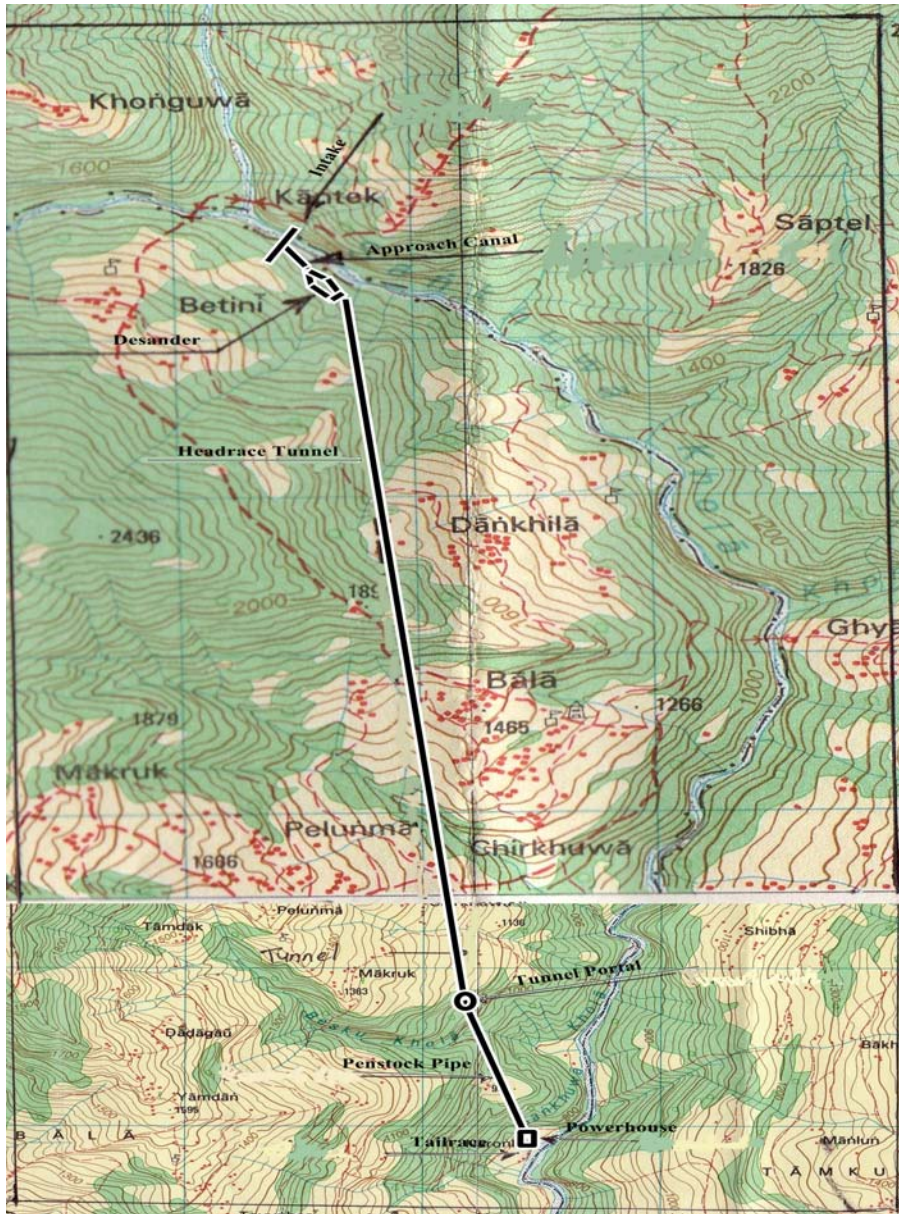
to Tumlingtar, the headquarter of Shankhuwasabha District. The project is 182 km from Biratnagar - Itahari - Dharan - Basantapur to Tumlingtar. The project site is 24 km from Tumlingtar of which 7 km to Sitalpati is seasonal road and the rest 17 km is foot trail.

### **Transmission**

The nearest substation from the project site is located in Basantapur. Therefore, a 52 km long transmission line is necessary to feed generated power into national grid.

**Note:** *This project description is based on Desk Study Report.*





27° 29' 02" N

27° 29' 02" N

87° 04' 25" E

87° 06' 04" E

*Handwritten signature or initials*