

Section 1. Letter of Invitation

Date :-2074-02-9

To,

M/s Iteco/Homeland/North Star JV

M/s Geoce-Total Management JV

M/s Fulbright Consultancy

M/s Silt/Tech Studio Geocom JV

M/s Sitara Sanima Hydro JV

M/s Shah Consultant

Subject: Request for Proposal

The Department of Roads, Maintenance Branch, invites proposals to provide the following consulting service:


Detailed Feasibility Study of Tunnel Roads

- (a) Kulekhani-Bhimphedi Tunnel
- (b) Banepa-Sidhuli Sadak (Khurkot-Sindhuli Khanda) Tunnel
- (c) Pokhara-Baglung Road (Hemja-Nayapul Khanda) Tunnel,
- (d) Lamabagar Road Tunnel,
- (e) Butwal-Narayanghat (Daunne Khanda) Road Tunnel

The RFP documents will be provided in digital form; hence you are requested to contact the DOR, Maintenance Branch with a blank CD or portable storage device. The BOQ is attached herewith.

A consultant will be selected under the procedures described in this RFP. The deadline for the submission of the proposal is 30 days from the date of dispatch of this invitation.

Deputy Director General



Government of Nepal
Ministry of Physical Planning and Works

Department of Roads
Maintenance Branch

Chakupat, Lalitpur

Request for Proposal for

Consulting Services

for

Detailed Feasibility Study of Tunnel Roads

- (a) Kulekhani-Bhimphedi Tunnel
- (b) Banepa-Sidhuli Sadak (Khurkot-Sindhuli Khanda) Tunnel
- (c) Pokhara-Baglung Road (Hemja-Nayapul Khanda) Tunnel,
- (d) Lamabagar Road Tunnel,
- (e) Butwal-Narayanghat (Daunne Khanda) Road Tunnel

Contract No. : 01/2073/074

Consultant's Name and address:



SECTION 5: TERMS OF REFERENCE

TERMS OF REFERENCE

for Feasibility Study of Tunnel Roads

1. Introduction

(a) Kulekhani-Bhimphedi Tunnel

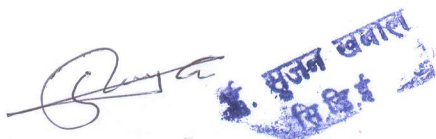
- The section of the Kathmandu-Kulekhani-Hetauda is around 80 km and it takes almost 3 hr to travel this distance. When the Road from Hetauda-Bhimphedi was constructed the thought for opening a tunnel road from Kulekhani-Bhimphedi was floated but it was not considered so far. If the tunnel is constructed it may shorten the length by about 14/15 kms and reduce the travelling time and operating cost. Due to rugged terrain and difficult geomorphology the widening of the road is not easy and has not been considered. The tremendous growth in VPD has been causing very strenuous for smooth plying of vehicles and maintenance of the road.

(b) Sitapaila-Dharke Road Tunnel (Removed and Replaced)

(c) Pokhara-Syangja Road Tunnel (Removed and Replaced)

(d) Thankot- Chitlang Road Tunnel, (Removed and Replaced)

(e) Malekhu-Lothar Road Tunnel (Removed and Replaced)



4B. BOQ : BILL OF QUANTITIES :

Government of Nepal
Ministry of Physical Planning and Works

Department of Roads

Maintenance Branch
Chakupat, Lalitpur

Contract No. -1-2073/74

Bill of Quantity for Detailed Feasibility Study of Road Tunnel

- (a) Kulekhani-Bhimphedi Tunnel
- (b) Banepa-Sidhuli Sadak (Khurkot-Sindhuli Khanda) Tunnel
- (c) Pokhara-Baglung Road (Hemja-Nayapul Khanda) Tunnel,
- (d) Lamabagar Road Tunnel,
- (e) Butwal-Narayanghat (Daunne Khanda)

Subject to change any of above road

S. N.	Description	Unit	Quantity	Rate	Rate in Inwords	Amount* (NRs)
1	Feasibility Study (Desk study, Field works, Design) as per TOR for 5 tunnel roads	Km	24			
2	Subsurface Investigations including 2D Electrical Resistivity Survey 3-5KM Length, 50-500m depth and Report Preparation (6 copies for each) as per TOR for 5 tunnel roads	Set	5			
2.1	Stationary, Equipments, Transportation and Report Preparation (6 copies for each) as per TOR for 5 tunnel roads	Set	5			
Sub-total						
VAT (13 %)						
Total Amount						

*Note: In amount column **total amount** for each job should be quoted.

Total Amount in words :-

Name of the Consultant:-

Authorised Signature:-

Seal:-

4. Working Team

The working team for the field and office works in general shall consist of the following key personnel together with the supporting manpower:

S.N.	Experts	Input In days for Road Tunnel up to 3 km
1	Team Leader/Sr. Highway Engineer	15
2	Civil engineer with experience in Tunnel design and construction	21
3	Engineering Geologist/Geotechnical Engineer	15
4	Tunnel design/Structure Design Engineer	10
5	Environmental/Environmental Engineer	12
6	Traffic/Road Safety Engineer	5
7	Hydrologist	5
8	Electro/Mechanical Engineer	5
9	Socio-economist	5
10	Senior Surveyor	7
	Sub-Total	100 Days
	Total for about 24 Kms for one Team	100*8=800 Days

All the above experts shall have at least 10 years professional experience.

5. Consultant's Reporting Obligation & Time Frame

With the scope of this consultancy service, the consultant has to prepare and submit the following reports:

5.1 Inception Report

The Inception Report shall be prepared within 2 weeks of signing the contract agreement for the consulting services. The inception report shall in no case limit the original scope. Its purpose is to incorporate the additional services offered by the consultant in its technical proposal and to elaborate the study schedule and methodology. The report has to be submitted in 3 copies.

The inception report shall be presented through suitable overhead media to a group of about 15 representatives of the clients, line ministries, NGO, Media, Other consultants and various stakeholders.

5.2 Field Report

The field report shall be submitted within 4 months of signing the contract agreement for the consulting services. It shall contain all the outcomes of field works. The report has to be submitted in 3 copies.

5.3 Draft Final Report

The draft final report shall fully cover the entire requirement as stated in the TOR. Draft final report shall be submitted within 8 months of signing the contract agreement for consulting services. The report has to be submitted in 3 copies. The report shall be presented to a group of about 15 representatives as in the case of the inception reports. A CD of the report and the presentation materials shall be provided to each of the participant so that comments could be received at a later stage.

5.4 Final Report

The Final Report shall be submitted after incorporating the comments from the Client and the Stakeholders. The report shall be delivered in 6 hard and soft copies (in A3 size) at the client's office. The Volume of Final Report will be same as Draft Final report.

The Final Report all complete shall be submitted within 10 month of signing the contract agreement for the consulting services. Draft and final reports shall consist of the following volumes.

1. Detail Feasibility Study Report

- Main Report including alternative /economic analysis
- Preliminary Design Report
- Drawings
- Rate analysis, Quantity , Cost Estimate and Economic Analysis

2. Environment study Report

- Environmental issues
- Socio-economic Issues