

सुदूरपश्चिम प्रदेश सरकार



## GADHAWA RURAL MUNICIPALITY

OFFICE OF RURAL MUNICIPAL EXECUTIVE



Gadhawa, Dang

LUMBINI PROVINCE.

### TERMS OF REFERENCE (TOR)

FOR

Preparation Of technical Report Report For Extraction Of Stone, Sand And Gravel of ratanpur ghat,khadakpur ghat,dharampur ghat and jharbaira ghat of Rapti river.

2080, Bhadra



## Background

This document containing brief description of the proposal and the Terms of References (TOR) has been developed specifically for hiring services of an independent and professionally competent environmental consultancy firm for carrying out **Technical Report** of the Sustainable Stone, Gravel and Boulder Extraction and collection from rivers and Streams.

Gadhawa Rural Municipality has a huge potential for the non-forest products like sand, gravel, boulder and forest products. Utilization of these resources on sustainable manner helps to improve the livelihood of rural people, maintaining river morphology and boost up Rural Municipality revenue. The proponent is planning to mobilize these resources on sustainable and environmentally sound manner because the demand rate is high in Dang district for infrastructure construction. In the Gadhawa Rural Municipality, there are many river and streams rivers from where the sand, stone and gravel are being extracted for different purposes. An IEE of the proposed excavation of minerals from the river valleys is necessary in order to assess the environmental consequences of the project along with to support appropriate, practical and site specific mitigation and enhancement measures. It will furthermore boost up the economic condition of the local inhabitants. The IEE is also a legal requirement before the implementation as per the provision of **President Chure Terai Madesh Conservation Development Board**.

## OBJECTIVES

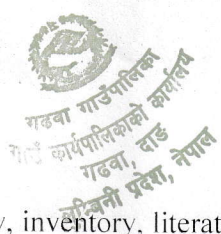
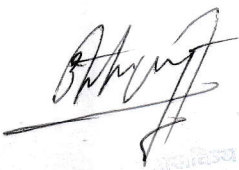


The **Gadhawa Rural Municipality** is now required to prepare **Technical Report** before implementation of proposed proposal. The Technical Report is prepared based on previous year prepared Initial Environmental Examination (IEE).

## SCOPE OF WORKS

Prepare Technical report; provide advice, on any environmental issue that may arise during implementation stage of the project. Fitting the IEE study within the context of existing policies, laws and administrative producers;

Setting out a time frame with the required experts for carrying out the Technical Report study together with the estimated budget required;

- Accomplishment of the works within the specified time;
- Special emphasis to the most significant aspects of the study
- Identification and description of the issues to be investigated;
- Systematizations of the working procedures;
- Delineation of the working procedure;



## Methodology

### Data Collection

Physical parameters – Walkover survey, inventory, literature review, map study

Biological parameters- Identification of species including protected species along the extraction site, sampling and estimation of influence area

### Field Visit

The study team should field visit based on previous Initial Environmental Examination (IEE) at proposed site.

### Team Composition

The consultant shall make such changes and revisions in the completed work as necessary to correct errors appearing there in, when required to do so by the proponent without additional compensation thereof. Should the proponent finds it described for its own purposes to have previously satisfactorily completed work or parts thereof changed or revised, the consultant shall make such revisions as directed by the proponent.

Sn:	Position	Remarks
1	<b>Team leader/ Environmental Expert</b>	
2	<b>Geologist</b>	
3	<b>Civil Engineer</b>	

The core team of consultant to comprise the following professionals;

#### (A) Team leader/ Environmental Expert

The Team leader will take the overall responsibility of the assignment in accordance with the TOR and also for the conduction and coordination of all professional inputs. He/ She will prepare a site specific Environmental Management Action Plan for each site. and must be conducted at least 3 IEE/EIA project report, Environmental Audit and Compliance Monitoring; preparation of EMP; and environmental risk and hazard management planning, with minimum IEE/EIA report have successfully been prepared about Sustainable Extraction and collection from rivers.



  
(B) Geologist

Geologist will have the overall responsibility for geological assessment of the alignment and the slope stability analysis. The geologist should have minimum a Master degree in geology, geotech or equivalent and preferably a master's degree in Geology. having professional experience of 3 years in the relevant field.

### (C) Civil Engineer

The Civil :Engineer should have minimum Bachelor degree in Civil Engineering having professional experience of 5 years in the relevant field..

## Time

The reports must be submitted within One and half months from the Contract date to Gadhwara Rural Municipality, Dang.

## Report Format and Presentation

. Consultant should submit at least 3copies of the draft Report to Gadhwara Rural Municipality and after review, should submit 3 copies of Final reports.

The Consultant should present draft report to Technical Committee or concerned authority.

## Payment

Following shall govern the payment for the assignment.

20% will be paid upon agreement.

40% will be paid on after draft Report Submission.

40% will be paid on approval of the final **Technical Report** from Rural Municipality.

GADHAWA RURAL MUNICIPALITY  
OFFICE OF RURAL MUNICIPAL EXECUTIVE  
Gadhawa,Dang, Lumbani Province

BOQ

FY: 080/81

Project: Preparation of Technical Report for Collocation/Extraction of Stone, Gravel from River at Rapti Nadi, Ratanpurghat Mahadewa (Pul bata Tala) Sammanko Khanda,Rapti Nadi, Khairaghat Khadakpur Khanda (KA) and (KHA),Rapti Nadi, Dharampurghat (Rapti Pul Bat 500 Metters Mathi) Samma Khanda (KA) and (KHA), Rapti Nadi, Bhojpurghat Khanda,Rapti Nadi, Jharbiraghat Khanda.

Project duration is 1.5 months from effective date of Agreement

SN:	Description	Unit	Quantity	Rate (NRs.)	Total (NRs.)	Remarks
A	Manpower					
	i. Team Leader/ Enviromental Expert	Mandays	45			
	ii. Geologist	Mandays	15			
	iii. Civil Engineer	Mandays	25			
	iv. Computer Operators	Mandays	20			
	v. Supporting Staff	Mandays	45			
	<b>SUB TOTAL OF A</b>					
B	Transportation and Equipment	Job	1			
	<b>SUB TOTAL OF B</b>					
C	Printing,Photocopyand Final Report Preparation	Job	1			
	<b>SUB TOTAL OF C</b>					
<b>TOTAL OF A+B+C=</b>						
<b>13% VAT</b>						
<b>Grand Total</b>						

Total amount in words:

Signature:

Name of Authorized Person:

Name of Firm: