



मन्थली नगरपालिका
नगर कार्यपालिकाको कार्यालय
मन्थली, रामेछाप
बागमती प्रदेश, नेपाल

प्रारम्भिक वातावरणीय परीक्षण (Initial Environmental Examination-IEE) को प्रस्ताव
आब्हानको सूचना

दोस्रो पटक प्रकाशित मिति २०८१/०१/०८

मन्थली नगरपालिकाको क्षेत्रभित्र पर्ने विद्यमान आयश्रोतको रूपमा लिन सकिने विभिन्न नदी तथा खोलाहरुको विभिन्न स्थानहरुबाट ढुङ्गा, गिट्टी, बालुवा र माटो संकलन गर्ने सम्बन्धमा संघीय सरकारबाट जारी वातावरण संरक्षण ऐन २०७६, नियमावली २०७७ र बागमती प्रदेश सरकारको वातावरण संरक्षण ऐन २०७७ बमोजिम कार्यसूची (Terms of Reference-ToR) र प्रारम्भिक वातावरणीय परीक्षण (Initial Environmental Examination-IEE) प्रतिवेदन तयारी र स्वीकृति गराउने कार्यको लागि परामर्श सेवाको आवश्यक परेको हुँदा प्रचलित कानून अनुसार रितपूर्वक दर्ता भएको तथा यस कार्यालयमा सुचिकृत भएको सम्बन्धित ईच्छुक परामर्शदाताहरुले यसै कार्यालयबाट कामको कार्यसूची लिई सोही कार्यसूचीको आधारमा सिलबन्दी प्रस्तावना र कम्पनी दर्ता प्रमाण पत्र, भ्याट दर्ता प्रमाण पत्र, व्यवसाय प्रमाण पत्र (आ.व. २०८०/०८१ को नविकरण) र आ.व. २०७९/०८० को कर चुक्ता प्रमाण पत्रको प्रतिलिपिहरु सहित यो सूचना प्रकाशित भएको मितिले १५(पन्ध्र) दिनभित्र यस मन्थली नगर कार्यपालिका कार्यालयको राजस्व शाखामा पेश गर्न आब्हान गरिएको छ साथै प्रस्तावदाताले प्राविधिक र आर्थिक प्रस्ताव छुट्टाछुट्टै पेश गर्नुपर्नेछ ।

नोट: यो सूचना सम्बन्धी थप जानकारीको लागि यस कार्यालयको website : www.manthaliimun.gov.np र मन्थली नगरपालिकाको फेसबुक पेज **हाम्रो मन्थली नगरपालिकामा** समेत हेर्न सकिनेछ ।

पुनश्च: आर्थिक प्रस्ताव नगरपालिकाको चालु आ.व. २०८०/०८१ मा विनियोजित रकम रु ८,००,०००।- (आठ लाख मात्र) मा नबढ्ने गरी घटाघटामा प्रस्ताव पेश गर्नु पर्नेछ ।

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प्रमुख प्रशासकीय अधिकृत
प्रमुख प्रशासकीय अधिकृत



**Manthali Municipality
Office of Municipal Executives
Manthali, Ramechhap
Bagmati Province, Nepal**

**Terms of Reference (ToR)
For
The Consulting Service for**

***Preparation of Initial Environmental Examination (IEE)
Report for the Extraction of Sand, Gravel and Stone from
Tamakoshi, Sunkoshi, Ranajor, Sukajor River etc of Ward
No 1, 2,3,5,6,7,8,11,12,13 , Manthali Municipality,
Ramechhap, Bagmati Province, Nepal***



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1. Introduction

1.1 Background

With increasing rate of urbanization and meeting its infrastructure need, demand for construction materials (riverbed materials) is in increasing daily. Natural resources like river bed materials should be extracted daily to maintain the river alignment and tackle problems like flooding and other natural calamities as it is year-round process. Extraction of riverbed materials is also a good source of revenue generation for municipalities. That will be good utilization of natural resources like riverbed materials if it is extracted without causing harm to river morphology and making the extraction process sustainable. To maintain these environmental conditions in balance, proposed IEE study of extraction will help to make the process environmentally friendly and sustainable.

1.2 Legal Relevancy

In accordance to Environmental Protection Act (EPA), 2019 and Environmental Protection Rule (EPR), 2020, Initial Environmental Examination (IEE) is mandatory for such Extraction of River Bed Materials. As per Schedule-2 (Pertaining to Rule 3) of EPR, 2020 and the subsequent amendment, the following provision leads to undergo IEE procedure.

(c) Mines

(7) Extraction of 100 to 300 cubic meters of sand, gravel and soil from river beds per day.

1.3 Location of the project site

The Project site is at Manthali Municipality. It is located in Mid Hill region of Nepal. The project has Hilly terrain. The Location for Study Area is Tamakoshi, *Sunkoshi, Ranajor, Sukajor, Bhatauli River of Ward No1,2,3,5,6,7,8,11,12,13* River of of Manthali Municipality.

2. Objectives of the work

The objective of the consulting service is to conduct the following jobs:

- ☐ Preparation of Initial Environmental Examination (IEE) study of the proposed project.
- ☐ To identify baseline information of existing site
- ☐ To document the existing physical, biological, socio-economic and cultural environment of the Proposal affected area.
- ☐ To identify, evaluate and classify the impacts.
- ☐ To develop mitigation measures to avoid/reduce/mitigate adverse impacts due to implementation of the proposed project.
- ☐ To develop enhancement measures to enhance the beneficial impacts due to implementation of the proposed project.
- ☐ To formulate environmental management plan.

3. Scope of the work

The consultant shall carry out the necessary field work for preparation of IEE report. The consultant shall be responsible for accuracy, interpretation, analysis of all data received and proper conclusion and recommendation.



3.1 IEE Preparation

- ☐ Baseline Survey.
- ☐ Alternative Analysis.
- ☐ Impact Identification, Prediction and Evaluation.
- ☐ Environmental Impact Mitigating Measures.
- ☐ Environmental Monitoring Method and Schedule.
- ☐ Environmental Management Cost and Plan.

3.2 Other Conditions

- Quantify the probable extraction of materials.
- Field verification after final report submission.
- Locate the extraction boundary by concrete blocks at 4 Nos as required.
- Provides clear color images of extraction sites.

4 Methodology

The consultant shall adopt appropriate methodology to successfully complete the assignment. The following approach and methodology is suggested.

- ☐ Desk study or literature review including review of national and international best practices on relevant environment assessment and environmental protections.
- ☐ Field study including conduction of various onsite investigation and impact identification.
- ☐ Public hearing program in project affected area
- ☐ 7-days' notice publication and consultation with locals, local government representatives and collection of recommendation letters from municipality and concerned authorities
- ☐ Report preparation including above mentioned topics.
- ☐ Presentation of IEE report.

5 Time Schedule and Reporting Requirement

The consultant should commence the work from the date of signing of the agreement. The assignment has to be completed within **3 (Three) months** started from the date of assignment. The following table gives the indicative time period for the execution of the activities mentioned in the ToR. The Consultant shall prepare and submit following reports to the Client within the prescribed time. The time frame for the preparation of report is shown in Table 1.

Table 1: Time frame for the preparation of IEE report

S.N.	Report	Time to Submit	Procedure	Minimum Contents of the Report
1	Terms of Reference (ToR) submission to	2 weeks after issuance of work order	Presentation of ToR in front of Municipal Executive, comments incorporation and ToR approval	Detailed work-plan, Project Area Delineation (DIZ, IIZ, ZOI) , methodology, literature review and

S.N.	Report	Time to Submit	Procedure	Minimum Contents of the Report
	Municipal Executive			preliminary findings from desk study
2	Draft Final Report submission to Municipal Executive	8 weeks after submission of ToR	field visit and primary data collection on physical, biological, socio-economic and cultural aspects, conduct public hearing, 7-days' notice publication in local newspaper, public consultation with stakeholders, Presentation of draft IEE report in Municipal Executive and comments incorporation	Impact identification in DIZ, IIZ, ZOI, alternative analysis, mitigation measures for impacts identified, preparation of Environmental Management Plan (EMP) and monitoring plan.
3	Final Report	2 weeks after submission of Draft Final Report presentation	IEE report approval from Municipal Executive	All comments incorporation

6 Study Team Composition

The consultant should include the following team members as shown in Table 2 for the assignment.

Table 2: Designation and Qualification of team composition to carry out IEE

S. N.	Designation	Qualifications
1	Team Leader (Environmentalism)	Master's degree in Environmental Science or Environmental Engineering or equivalent with five years' experience in related field.
2	Hydrologist	Master's degree in water resource management
3	Sociologist	Master's degree in Social Science, Sociology or related field with three years' experience in related field
4	Biologist/Botanist	Master's degree in related field with three years' experience in related field

5	Geologist	MSC in Geology
6	Civil Engineer	Bachelor Degree in Civil Engineering
7	GIS Expert	Bachelor's degree in any disciplinary having knowledge of GIS

7 Mode of Payment

This is a lump sum contract for delivery of a defined set of outputs. Payments are made at percentages of the total contract value and will be done after submission of the Consultant's Invoices according to the following schedule:

- ☐ 40% of the contract amount after submission of Draft Report to municipal executive body.
- ☐ 60% of the contract amount upon acceptance of the Final Report incorporating the comments on report and presentation.

8 Initial Environmental Examination (IEE) Areas.

S.N.	Place	Ward No.	Remarks
1.	Nobughat Sunkoshi	6	
2.	Hattitar	6	
3.	Kunauri	6	
4.	Dhikuri Bagar	7	
5.	Sukajor Khola concrete bridge to crusher	5 & 1	
6.	Ranjour Khola Samalistha to Tamakoshi River bank.	3, 5 & 1	
7.	Bhataulo Khola mugitar	7	
8.	Jakhanitar Tamakoshi river bank	8	
9.	Gelu Khola Dovan Tamakoshi riverbank	12	
10.	Milti Khola and Tamakoshi Riverbank	13	
11.			

The End