भेरीगंगा नगरपालिका

नगर कार्यपालिकाको कार्यालय

छिन्चु, सुर्खेत

कर्णाली प्रदेश, नेपाल

प.सं. :- ०८१/०८२

च नं: ३१५४

प्रथम पटक प्रकाशित मिति: २०८२/०३/०९

विषय :- दररेट पेश गर्ने बारे सूचना।

श्री सम्बन्धित सरोकारवाला सबै।

प्रस्तुत बिषयमा यस भेरीगंगा नगरपालिकाको तपसिलमा उल्लेखित कार्य गर्नुपर्ने देखिएको हुदा यस कार्यालय बाट सूचना प्रकाशित भएको मितिले ७ दिन भित्र (मिति २०८२/०३/१५ गते दिनको ५:०० बजे सम्ममा) इच्छुक सप्लायर्स/फर्महरूले भेरीगंगा नगरपालिकाको वेबसाइट www.bherigangamun.gov.np मा यसै सूचना साथ राखिएको BOQ भरी सुचिकृत भई आफ्नो दररेट सिलबन्दी गरी यस नगरपालिकाको कार्यालयमा पेश गर्नुहुन सम्बन्धित सरोकारवालामा यो सूचना प्रकाशित गरिएको छ।

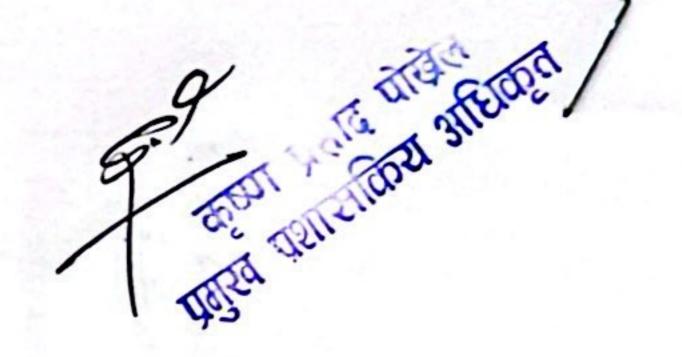नोट: म्याद नाघी पेश भएका प्रस्ताव मान्य हुने छैन।

क्र.सं.	कार्यक्रमको नाम	अधिकतम रकम रु. (भ्याट संहित)	आवश्यक कागजात
१.	भवानी मा.वी. चिउरीगैर फर्निचर खरिद, भेरीगंगा ५	रु.१,९९,९७६.१०/-	१. आ.व.२०८०/० ८१ को करचुक्ता प्रमाणपत्रको प्रतिलिपि
२.	मोटर पाईप खरिद, भेरीगंगा ११	रु. २,९९,७८२.९०/-	
३.	मिनी टिलर खरिद, भेरीगंगा १०	रु. २,७६,०००.००/- (भ्याट बाहेक)	२. फर्म/सप्लायर्स दर्ता संग सम्बन्धित सम्पूर्ण कागजातहरूको प्रतिलिपि
४.	वडा नं ७ का लागि डिजेल पम्प, सेक्सन पाईप तथा मोटर खरिद	रु. ४,००,१३४.१३/-	
५.	पम्पसेट र पाईप खरिद, भेरीगंगा ९	रु. ३,४९,९६८.५३/-	३. सुचिकृत भएको रसिद तथा प्रमाणको प्रतिलिपि
६.	भेरीगंगा नगरपालिकाको GIS आधारित भूमि वर्गीकरण तथा भूमिउपयोग नक्सा अद्यावधिक कार्य	रु. ५ लाख	

कृष्ण प्रसाद पोखेल

प्रमुख प्रशासकिय अधिकृत

Land Classification and Updating of the Land Use Map Based on the Formulated GIS Framework for Bheriganga Municipality, Surkhet District, Karnali Province

आ. व. ०८१/०८२

Biil Of Quantity (BOQ)

S.N.	Particulars	Unit	Qty	Rate		Amount	Remarks
				In Numbers	In Words		
1	Land Classification and Updating of the Land Use Map Based on the Formulated GIS Framework	Job	1				
					Sub-Total		
					VAT @ 13%		
					Total		

Terms of Reference (ToR)

For

Land Classification and Updating of the Land Use Map Based on the Formulated GIS Framework for Bheriganga Municipality, Surkhet District, Karnali Province

1. Geographical Location

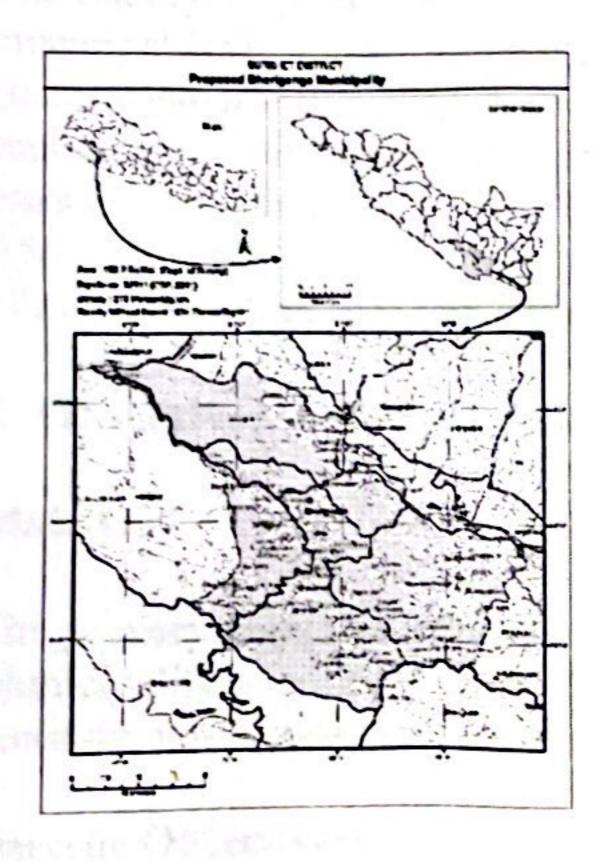|	
Province:	Karnali
Region:	Mid-Western Development Region
Zone:	Bheri
District:	Surkhet
Municipality:	Bheriganga Municipality

Bheriganga (Nepali: भेरीगंगा) is an urban municipality located in Surkhet District of Karnali province of Nepal.

According to 2021 Nepal Census the total population of the municipality is 48,203 and the total area of the municipality is 256.20 square kilometers (98.92 sq mi). The municipality is divided into total 13 wards. Lekhparajul VDC was Incorporated with municipality in 2017 when government cancelled all old administration system and introduce new 753 local level administrative body.

The municipality is surrounded by Gurbha Kot in east, Barahatal in west, Birendranagar and Lekbesi in north and Bardiya District in south.

Bheriganga municipality was established on 2 December 2014 merging 3 VDC Chinchu, Maintada and Ramghat. Lekhparajul VDC Incorporated with municipality in 2017 when new administrative system came in force.

At the time of the 2011 Nepal census, Bheriganga Municipality had a population of 41,865. Of these, 96.1% spoke Nepali, 2.5% Magar, 0.5% Gurung, 0.3% Raji, 0.2% Hindi, 0.1% Urdu, 0.1% Newar, 0.1% Maithili and 0.1% other languages as their first language.

In terms of ethnicity/caste, 42.8% were Chhetri, 23.5% Kami, 13.5% Magar, 4.9% Sarki, 4.2% Damai/Dholi, 4.1% Hill Brahmin, 2.6% Thakuri, 1.0% Sanyasi/Dasnami, 0.9% Badi, 0.7% Gurung, 0.4% Newar, 0.4% Raji, 0.3% Musalman, 0.2% Gaine, 0.1% Halwai, 0.1% Rai, 0.1% Tamang, 0.1% Tharu and 0.2% others.

In terms of religion, 95.7% were Hindu, 3.6% Christian, 0.5% Buddhist and 0.3% Muslim.

In terms of literacy, 70.9% could read and write, 2.7% could only read and 26.4% could neither read nor write.

कृष्ण प्रसाद पोखेल
प्रमुख प्रशासकिय अधिकृत

2. Background and Context of the Assignment

Bheriganga Municipality, under the Surkhet District of Karnali Province, is dedicated to the sustainable management of its land resources to achieve balanced development, prevent land conflicts, and optimize land use for socio-economic benefits. Effective land use planning is crucial for guiding local development initiatives and ensuring that land resources are utilized efficiently while preserving natural and cultural heritage.

Previously, Municipality has conducted the initial phase of land use planning. This phase involved the preparation of a GIS framework for updating the land use map. These documents provide a structured approach and standardized procedures for performing GIS-based updates to the existing land use map, aligning with both local needs and national standards. However, that documents can't be applied directly for the GIS based land use map update, so that might also be update so that Land use map can easily be updated.

The Survey Department of Nepal has provided comprehensive Land Use Zone Maps at the municipal level for all municipalities, including Bheriganga Municipality. The next step for Bheriganga Municipality is to update this land use map according to the formulated GIS framework. This update will incorporate parcel-wise classifications to provide a detailed breakdown of land use zones. The task does not involve new GNSS or drone surveys; rather, it focuses solely on digital map updates using existing cadastral and land use data. The accuracy of the final output will rely entirely on the data provided by the Survey Department.

3. Objectives of the Assignment

Main Objective:

The primary objective of this assignment is to update the existing land use map of Bheriganga Municipality according to the GIS framework formulated. The final output will provide an accurate, up-to-date, and detailed parcel-wise classification of land use zones.

Specific Objectives:

1. **Review Existing Land Use Data:** Analyze the land use map provided by the Survey Department to identify areas needing updates as per the formulated GIS framework.
2. **GIS-Based Land Use Map Update:** Update the land use map using GIS technology, ensuring all revisions are consistent with the Land Use Policy, 2076, and Land Use Regulations, 2079.
3. **Data Validation and Quality Assurance:** Conduct thorough data validation to ensure that all updates meet the accuracy standards set forth in the GIS framework.
4. **Stakeholder Consultation and Verification:** Engage with local stakeholders to verify the updated map and ensure it reflects the ground realities and community needs.
5. **Final Report and Submission:** Prepare and submit a final report, including the updated land use map, documentation of the methodologies used, and recommendations for future land use management.

4. Description of the Assignment and Key Issues

The assignment involves a focused GIS-based approach to updating the land use map of Bheriganga Municipality. Key issues to be addressed during this process include:

कृष्ण प्रसाद पोख्रेल
प्रमुख प्रशासकीय अधिकृत

- **Data Accuracy and Consistency:** Ensuring that all updates to the land use map are based on the most accurate and current data available from the Survey Department.
- **Compliance with Regulations:** Ensuring that the updated map complies with the Land Use Policy, 2076, and Land Use Regulations, 2079, and adheres to the guidelines set out in the formulated GIS framework.
- **Stakeholder Engagement:** Engaging with local representatives, community members, and other stakeholders to verify the updated map and gather feedback.
- **Transparency and Accessibility:** Ensuring that the updated land use map is accessible to local authorities and residents, promoting transparency in land use planning and decision-making.

5. Methodology

The following methodology will be employed to update the land use map of Bheriganga Municipality:

1. **Review of Existing Land Use Data:**
   - Conduct a comprehensive review of the existing land use map provided by the Survey Department. Identify discrepancies, outdated classifications, or areas requiring rezoning based on the current land use scenario.
   - Cross-reference the existing data with the guidelines and standards set forth in the formulated GIS framework.
2. **GIS-Based Map Update:**
   - Utilize GIS software to update the existing land use map according to the framework. This will involve modifying, reclassifying, or redefining land use zones based on the criteria outlined in the GIS framework.
3. **Data Validation and Quality Assurance:**
   - Perform rigorous validation checks on the updated land use map to ensure data quality and accuracy. This includes verifying that the updates align with the ground realities and the framework's requirements.
   - Any discrepancies or issues identified during the validation process will be corrected promptly to ensure a high-quality final output.
4. **Stakeholder Consultation and Verification:**
   - Organize consultations with local stakeholders, including ward representatives, community leaders, and municipal officials, to present the updated land use map.
   - Gather feedback from stakeholders to verify the accuracy of the updated map and make necessary adjustments based on their input.
5. **Reporting and Final Submission:**
   - Prepare a detailed final report documenting the entire update process, methodologies employed, challenges encountered, and recommendations for future land use planning.
   - Submit the updated land use map in both hardcopy and digital formats to Bheriganga Municipality for official approval and implementation.

6. Qualifications/ Expertise and Financial Budgeting

The budget for this project will be based on the financial proposal submitted by the consultancy firm, covering all costs related to project implementation, including personnel, logistics, and

कृष्ण प्रसाद पोखेल
प्रमुख प्रशासकिय अधिकृत

reporting not exceeding 5 Lakhs Nepalese Rupees (Including VAT). Payment will be made in installments upon the successful completion of key deliverables, as agreed upon in the contract.

The Service provider manpower as below:

S.N.	Particulars	Qualification
1	Team Leader	(Masters in Geomatics/Civil Engineering)
2	GIS Expert	BE Geomatics
3	Surveyor	Diploma in Survey/Civil
4	Socio Economist	BE Social/ Economy
5	Data Analyst	BE in Data science/Database/ IT
6	Database Engineer	BE in Data science/ IT/Geomatics
7	Legal Expert	
8	Draft Person	
9	Computer Operator	
10	Account/Admin staff/ Supervisor	
11	Support Staff/Helper/ Camp worker	
12	Tools and equipment for Survey	
13	Stationery and logistics Support	

7. Outputs and Deliverables

The consultancy firm is expected to deliver the following:

1. **Updated Land Use Map:** A comprehensive GIS-based updated land use map for Bheriganga Municipality, reflecting the current land use scenario and aligned with the formulated GIS framework. The map must provide detailed classification of land use zones.
2. **Final Report:** A detailed report outlining the methodologies employed, findings, challenges encountered, and recommendations for future land use planning. The report should include both hardcopy (2 copies) and digital formats.
3. **GIS Data Files:** Provide all GIS data files used and produced during the update process in a format compatible with standard GIS software (e.g., shapefiles, Kml, geodatabase).

8. Work Plan and Time Schedule

The total duration for this project is of 1 Month, starting from the day of contract signing. The following work plan outlines the key activities and their respective timelines:

Activities	Month 1
Review of Existing Land Use Data	1 Week
GIS-Based Land Use Map Update	1 Week

कृष्ण प्रसाद पोखेल
प्रमुख प्रशासकिय अधिकृत

Activities	Month 1
Data Validation and Quality Assurance	1 Week
Stakeholder Consultation and Verification	0.5 Week
Final Report Preparation and Submission	0.5 Week

Note: The timeline is flexible and can be adjusted based on mutual agreement.

9. Logistic Support

The consultancy firm will be responsible for the overall management of the project, including:

- **Logistics:** Arranging transportation, accommodation, and other logistical needs for the project team.
- **Meetings:** Organizing meetings with stakeholders and ensuring active participation.
- **Data Handling:** Managing all data handling, processing, and storage to ensure data integrity and security.

10. Submission of Proposals

Interested consultancy firms are invited to submit their technical and financial proposals, along with relevant experience and qualifications of the team members, within 7 days of notice Publication. Proposals should be submitted to the Office of the Municipal Executive, Bheriganga Municipality, Surkhet District.

11. Company/Consulting Firm Eligibility

Eligibility Criteria:

Company/Firm must be fulfilled the following Eligibility Criteria:

1. A Copy of Company/Firm Registration Certificate with updated renewed.
2. A Copy of PAN or VAT Registration Certificate.
3. A Copy of Tax Clearance Certificate of F.Y. 2080/81

12. EVALUATION CRITERIA

12.1 Technical Evaluation

- Understanding of requirements and technical approach

- Team qualifications and relevant experience

- Technical architecture and methodology

12.2 Financial Evaluation (100%)

- Cost competitiveness and value for money