



Invitation for Bid

Project- Installation of Flood Early Warning System in Sitapur, Nandapur, Nawalparasi

1. Invitation for Procurement and Installation of EWS Items

Bids are invited from interested suppliers/vendors registered with the Government of Nepal for the installation of the following EWS items for the installation of risk-informed flood governance through early warning systems in Sitapur, Nandapur area of Nawalparasi with the fulfillment of the eligibility requirements mentioned below.

S.N.	Description of Works	Estimated Cost
1.	Procurement and installation of a Flood Early Warning System with Siren specified as per Annex 1.	Can be changed based on the needs of the project

2. Eligibility of Supplier/ Vendor (Firm)

- The bidder must have experience in supplying similar goods and services, as mentioned in Annex 1, for at least three (3) years before the application submission deadline with the fulfillment of requirements.
- The bidder must have previously completed the supply and installation of the early warning system in Nepal.
- 3. Suppliers interested in the bid shall submit a photocopy of firm registration, the latest tax clearance certificate-2078/79, and VAT/ PAN certificates, along with the bid document.
- 4. Eligible bidders may obtain further information and bidding documents at the office of the **purchaser** as indicated in section (6) below.
- 5. **The Bid Form** can be found in Annex 2

6. All bids must be submitted on or before 17:00 hours, December 1, 2023, Online submission of the bid documents shall be password-protected and can be submitted to **jenny.ohman@ffd.fi and admin@finlitnepal.com** Documents shall not be received after this deadline.
7. Bids will be opened by the procurement committee at **15:00 hours on November 22, 2023, on website of respected parties**. Evaluation criteria of the received bidding will be done based on:
- i) Company profile and experiences 20%*

Evaluation Criteria	Description	Score (1-5)
Company Background and History	Ownership, length of time of business, company size	
Industry Reputation	The company's standing in the market	
Financial Health	Financial Stability including revenue growth	
Past Performance	Testimonials from clients	
Inclusivity and Diversity	Policies and practices related to diversity and inclusion	
Existing Customers	Clients that the company worked with	

ii) Technical Proposal 40%

Evaluation	Description	Score (1-5)
Technical Approach	Soundness and innovation of the proposed solution	
Team and Expertise	Qualification and expertise of key personnel	
Quality Assurance and Control	Commitment to and description of quality	

	standards	
Health Safety and Environment	Commitment to safety and environment consideration	
Innovation and Technology	Incorporation of innovative technology and solutions	

iii) Financial Budget 40%

Evaluation	Description	Score (1-5)
Budget Accuracy	How closely the budget aligns with actual expenses	
Contingency Planning	Inclusion of provision for unforeseen events	
Budget Transparency	Clarity and Transparency while presenting the budget	
Cost Control	Measures in place to control and reduce costs	
Overall Assessment	The overall assessment of the proposal	

8. If the last date of submission and opening falls on a government holiday, then the next working day shall be considered as the last day for submission.
9. The procurement organizations reserve the right to accept or reject, any or all bids without assigning any reasons, whatsoever.

IMPORTANT INFORMATION

1. The bidders shall quote the unit rates both in figures and words.
2. In case of a difference in the rates quoted in figures and in words, the rates quoted in words shall prevail.
3. While quoting rates, the bidder shall not be allowed to use correcting fluid or other erasing materials; neither the bidder shall be allowed to overwrite the quoted rates. It may result in the rejection of the bid document. In case of mistakes in rates, the bidder is to

simply cross the rates and shall re-write the rates bearing the initials of authorized signatories and the company/firm's stamp.

4. Prices shall be quoted in Nepali Rupees and payment shall be made in the same currency.
5. Sealed bids received after the submission date shall not be considered valid.
6. The following documents shall form an integral part of the contract agreement:
 - a) Invitation for Bids
 - b) Important information (Parties Involved, Purpose and Scope, Terms and Condition, Confidentiality and Non-Disclosure)
 - c) Terms of References
 - d) Future correspondence in regard to the contract.
7. The successful bidder shall have to provide a ***Performance Bank Guarantee of 5% of the contract value*** at the time of the signing of the contract agreement. Such performance bank guarantee must be valid for at least up to a maintenance period of seven months from the date of signing the contract agreement.
8. **The purchaser** shall have the privilege to carry out a random inspection without pre-information to the bidder.
9. In case **the purchaser** is not satisfied with the work quality and progress; it shall have the privilege to terminate the contract agreement at any point of work execution and bank guarantee(s) for performance may be forfeited.
10. **The purchaser** shall not be liable to compensate the bidder in case of termination of the contract due to rejection of materials, poor work quality, or poor work progress.
11. Bid withdrawal or modification is not allowed.
12. Bidder/The supplier shall procure an insurance policy for all the materials/personnel working in the supply of goods.
13. The selected vendor will get 30% of the total required sum after the contract to operate the initial phase of the installation. In the second phase after the evaluation of the progress, 50% of the amount will be provided and lastly, 20% of the remaining amount will be provided after the completion of the installation.

TERMS OF REFERENCE

Project Background

The FFD project “Women for Entrepreneurship and Resilience – transforming fish-farming and forest value chains in Nepal” aims to enhance women’s income generation, entrepreneurship, and livelihood resilience. In Chitwan and Dang districts forest and fish farming are male-dominated sectors where decision-power and access to direct benefits are held by men. Traditional roles, low education levels, and lack of targeted services limit women’s opportunities in these sectors. Climate and non-climate hazards aggravate livelihood insecurity and especially women in marginalized groups are at risk of falling beyond safety nets.

FFD implements the project in Nepal in partnership with the Federation of Community Forestry Users FECOFUN, Sundardeep Women's Fish Farming Cooperative, and AMRITPUR Social Entrepreneur Cooperative Ltd ASEC. FECOFUN is FFD's main partner responsible for local coordination, expertise, and advocacy in Nepal.

There are almost 1,500 fish farmers in the Nawalparasi district of Nepal. It is one of the most commercial fish-producing districts in Nepal. Almost 7000 metric tons of fish are produced annually from the Nawalparasi area. Aquaculture is a prospective business in the Nepali Terai since it provides food and income for many people and is crucial for social, economic, and political growth. Fish farming has a lot of potential in the Nawalparasi district because the terrain is suitable and water is readily available. Out of all the districts in the nation, it has the highest productivity. Local communities incorporate fish dishes into their everyday diet.

Fish farming provides employment opportunities for many people in the region. It has been the primary income source for many households. There are however disaster risk that can affect fish farming in Chitwan.

- The Narayani River is one of the major rivers of Nepal that flows southwest of Gaidakot Town in Chitwan and then flows southwest into India along the Uttar Pradesh Bihar State Border. During the Asian Summer Monsoon from June to September, incessant rainfall leads to the risk of flooding and landslides in the Terai Region. According to the flood forecasting section of the Department of Hydrology and Meteorology, the Terai and Hilly regions of Nepal observe heavy rainfall leading to an increase in water levels which cause flash floods. The four stations of Narayani River, where the fish farming cooperatives operate stand at warning levels including one that has reached the danger level. The Devghat Station has recorded the water level at 9 meters which are close to the danger level. The nearby dam in Sitapur also causes flooding from time to time.
- The major impact of the flood is it disrupts thousands of households and ponds of fish farmers. Fish in ponds can get washed away with flood waters.

PURPOSE OF THE PROCUREMENT AND INSTALLATION

The main purpose and objective for the installation of an EWS system with a siren in Sitapur, Nandapur area of Nawalparasi is based on the following:

- To mitigate flood-related issues in the Sitapur, Nandapur area of Nawalparasi
- To help fish farmers protect their business from natural calamities

SCOPE OF THE PROCUREMENT

- Supply the required EWS equipment
- Consultation with Madhyabindu Municipality Local Government, FFD Team, DHM for development and installation of EWS.

- Coordination with communities, Mishrit Cooperative, and project representatives in the assigned area
- Installed EWS for flood alert should be tested in operation and integrated with the Department of Hydrology and Meteorology DHM system. Most of the data related to the rise in water level of the Narayani River will be with the DHM of Nepal. Therefore, IT representative from Madhyabindu Municipality should constantly coordinate with the DHM during heavy rainfall seasons
- Monitoring of EWS functionality at the specified municipality on an annual basis for five years post-installation

MAJOR DELIVERABLES WITH SPECIFICATIONS

DELIVERABLES	DATES
Submission of the design of the system	November 22, 2023
Demonstration of a sample system in Kathmandu in presence of project team	December 3, 2023
Procurement of components	December 5, 2023
Submission of a system development report and system manual - manual on use of the system in Nepali and English.	December 7, 2023
Installation of systems in finalized location.	December 10, 2023
Draft of Final Report	December 11, 2023
Training on the use of the system & maintenance	December 10, 2023
Submission of a final report.	December 20, 2023

Schedule of Payment

The selected vendor will get 30% of the total required sum after the contract to operate the initial phase of the installation. In the second phase, after the evaluation of the progress, 50% of the amount will be provided and lastly, 20% of the remaining amount will be provided after the completion of the installation.

Breakdown

30%- At the initial phase after signing a contract
50%- In the second phase, after evaluating the progress and need installation
20% - After the completion of the EWS installation

Eligibility criteria

- Minimum of 3 years of proven track records of procurement and installation experiences of EWS-related assignments.
- Updated with compliance requirements like with company registrar, or department of industries.
- Must be registered with VAT and shall submit the record of the latest VAT return filing copy.
- The vendor should submit a technical proposal comprising technical and professional members.

The vendor should submit the financial proposal in the given template.

Documents required for submission of proposal

Bid form can be found on Annex 2 herewith.

Tender submission should entail the following:

- Company profile
- Submit copy of latest tax clearance certificate of last fiscal year.
- Submit the last three year's audited financial statements.
- Copy of VAT and Company registration.
- Filled tender forms (includes technical and financial proposal, team members, and workplan)
- Technical and financial proposal

Deadline for submission of a proposal-

- The deadline for the bid document 10 days from the date posted
- Online submission of the bid documents shall be submitted to jenny.ohman@ffd.fi and admin@finlitnepal.com

Annex 1**DETAIL SPECIFICATIONS***List of Procurement Items for Early Warning Siren System*

S.N	Description	Unit
a.	ARTU-21] Audio Remote Terminal Unit * Built in modem with Dual SIM * Wifi and Ethernet interface * Audio codec supporting mp3	1
b.	HEAA-13] High Efficiency Audio Amplifier * Low noise 2 X 150W * High efficiency class D Amplifier * Low Quiescent current	1
c.	[TD-200] High Power Driver, 200W, 4 Ohms Power:300W; Impedance:8/16ohm; Freq.Resp.:180HZ-6KHZ S.P.L.(1W/1M,1000HZ):118dB Head Cover: Aluminum die-cast Back Cover: Iron Dimension:Φ135*90H MM Neodymium Magnet	2
d.	[RT-AE1057.500] Weatherproof Equipment Housing (700 x 500 x 250mm)	1
e.	[EP-VS1024BN] PWM Solar Charge Controller * Nominal System Voltage: 12 / 24 VDC * Battery type: Sealed / Gel/ Flooded * Charge current: 10A * Self consumption: < 15ma * Interface: RS485	1

	* Temperature range: -25°C ~ +55°C	
f.	[EP75-12] VRLA Battery 12V 75Ah [LA&GK-3M] Lightning Arrestor and Grounding Kit for 3M * For 2 to 3m Mast * 85cm copper lightning rod * 2 x 1.8m copper grounding rod * 4m lightning cable * 2m Earthing cable	1
g.	[HVR-60W-PV] HVR solar Panel PV module 60W	2
h.	[SBWH-14-SS] Solar Boom with Hinge * Stainless hinges * Aluminum boom * Suitable for Solar Panels of 40W to 100W	1
i.	[HS300-01] Rugged Aluminum Alloy Horn	1
.j.	[RTS-FAT] Factory Assembly and Testing *Including cables, connectors and terminals *Factory assembling *System testing and verification	1
k.	[GMMS-3.5] Galvanized Metal Mast for Siren *Galvanized 3m and 1m top *Pole 3" *Base	1
l.	[INST&C-AEWNS] Installation and Commissioning of AEWNS *Including minor civil works *Device configuration and commissioning *On site training	1
m.	Transportation Charge *Delivery of equipment up to the site via Transport	1
n.	ARTU Remote Control Unit	1

ANNEX-2 Bid Form

(To be filled by the firm for submitting a proposal. This will be evaluated as a technical proposal.)

Attachment checklist

Please ensure at least the following for technical qualification:

- Signed and stamped copy of above bid documents and TOR.
- Company profile.
- Minimum of 3 years of proven track records of procurement and installation experiences of EWS related assignments.
- Updated with compliance requirements like with company registrar, or department of industries.
- Must be registered with VAT and shall submit the record of latest VAT return filling copy.
- Vendor should submit the technical proposal comprising technical and professional members.
- Vendor should submit the financial proposal in the given template.
- Future correspondences in regard to the contract.

I. Profile of a service provider:

Attached (check the box if you already have a pre-developed company profile, attach in a pdf format)

If not attached separately, provide your company profile below:

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II. Experience of a service provider (add rows as required):

S.N.	Detail of a delivered task/s relevant to the bid	Name of a client/s	Year	Bid amount
1.				
2.				
3.				
4.				

III. Company registration documents

Attach.

IV. VAT registration document and VAT return filing copy

Attach.

V. Team members with CVs.

Name and expertise	Responsibilities in the task

Attach CV/s of proposed team members.

VI. Financial proposal (Attach as a separate file in Excel or pdf with password protection)

VII. Future correspondences in regard to the contract

..... [*organization name*] confirm that
..... [*correspondence name*] shall act as a correspondence in
regard to the contract for the aforementioned task.
[*correspondence name*] confirms the acceptance to be correspondence in regard to the
contract for the task mentioned above.

.....
(Signature)
[Name and position of the signing authority of the organization]

.....
(Signature)
Correspondence name, position

Date signed:

~ **END** ~