

Terms of References for

Preparation of the Detailed Project Proposal for the implementation of intensive value chain development program of vegetable and fruits in the 13 selected North-South road corridor of Nepal

1. Background

Agriculture is the major contributing sector in national economy and this is possible by increasing production and productivity of crops, vegetables and fruits. Increasing agriculture productivity is also necessary for enhancing food security and is possible only when we can develop the value chain of fruits and vegetables. Therefore, it is utmost necessary to develop value chain of fruits and vegetables to increase market potentiality and comparative advantage.

Government of Nepal has given priority for the value chain development in agriculture through the budget speech and it was clearly mentioned in the agriculture sector transformation guideline 2075 implementation action plan issued by the Ministry of Agriculture and Livestock development.

With the increasing commercialization of agricultural, especially fruits and vegetables has been given high priority by many development agencies including government, non-government, private and donor agencies. Various agencies are promoting fruits and vegetable value chain in the various road corridor of the Nepal. But a consolidated and comprehensive project proposal has not been prepared so far for the implementation of intensive value chain development program of fruits and vegetables in the potential north-south road corridor in Nepal.

Keeping in this in view and according to the approved annual program of Center for Agricultural Infrastructure Development and Mechanization Promotion (CAIDMP) for the fiscal year 2075/76, it is targeted to prepare **Detailed Project Proposal for the implementation of intensive value chain development program of vegetable and fruits in the 13 selected North-South road corridor of Nepal** Accordingly, it is also planned to prepare detail project proposal through consultancy service according to the related acts and rules of Nepal.

This assignment aims to develop a comprehensive and detail project proposal with outline of appropriate value chain strategies and actions for future based on potentials and constraints. It will help respective public and private sectors for planning and implementation of intensive value chain development in fruits and vegetables in the feasible and appropriate road corridor. It will also help various donors and non-government agencies to support the agriculture sector.

2. Study Area

The selected study area for the assignment are as follow;

- i. Mahakali Highway (Dhangadi – Darchula)
- ii. Syaule -Martadi -Mangalsen Road Corridor
- iii. Karnali Highway (Surkhet - Kalikot – Mugu)
- iv. Rapti Highway (Dang – Rukum)
- v. Chhinchhu-Jajarkot Road Corridor
- vi. Goringha -Sandhikharka – Gulmi Road Corridor
- vii. Pokhara - Mustang Road Corridor
- viii. Chitwan - Manag Road Corridor
- ix. Kathmandu - Rasuwa Road Corridor
- x. Araniko Highway (Bhaktapur – Tatopani)
- xi. Sagarmath Highway (Saptari – Solukhumbhu)
- xii. Koshi Highway (Biratnagar – Myanglung)
- xiii. Mechi Highway (Jhapa – Taplejung)

The study should majorly focus on proposed new cities along the Mid Hill Highway.

3. Objectives of the Assignment

The overall objective of the assignment is to prepare detail project proposal for the implementation of intensive value chain development program of vegetable and fruits in the 13 selected North-South road corridor of Nepal. Some specific objectives of the task are as:

1. To assess the present situation and future trends on production potentiality, value chain and marketing of vegetables and fruits in the specific road corridor.
2. To suggest potential locations of vegetables and fruit production, value chain development and resource required.
3. To assess and suggest feasible processing plans and marketing for vegetables and fruits.
4. To assess and prepare strategies for value chain development and marketing of vegetables and fruits in the specific road corridor.

4. Scope of Assignment

Scope of this assignment are, but not limited only to the followings:

- Develop the specific objectives of the project
- Theory of change and expected results to be achieved at the end of the project
- Targeted beneficiaries and geographical clusters with justification
- Project's overall implementation approach
- Details of activities to be financed and their justification
- Post project sustainability process and the exit strategy.

- Economic and financial analysis
- Environmental and social safeguard measures.
- Risk and mitigation measure
- Suggest appropriate support strategies and action for **implementation of intensive value chain development program of vegetable and fruits in the 13 selected North-South road corridor of Nepal.**
- The detail project proposal should base on the review of literature and potentials of the perspective road corridors, proposed new cities and region.
- The detail project proposal has to be in line with National Agriculture Policy-2061, and Agricultural Development Strategy (ADS).

5. Methodology and Approaches

The Consultant Firm is expected to use a variety of methods to collect and analyze data. The Consultant Firm should elaborate on both the research and analytical methodology to be used for this assignment in the inception report. The consultant firm will propose a detailed plan outlining approach and methodology for data collection, analysis and reporting. The Consultant Firm is expected to work in close consultation with the CAIDMP throughout the assignment. The Methodology and approach of this assignment are, but not limited only to the followings:

1. Data source: Primary and Secondary
2. Use of appropriate tools, models, and approaches to collect and analyze the data
3. The methodology should be clearly mentioned

6. Expected outputs/deliverables

Expected outputs

The expected outputs of this assignment is to prepare detail project proposal for the implementation of intensive value chain development program of vegetable and fruits in the 13 selected North-South road corridor of Nepal and will contain:

1. Present situation and future trends on production potentiality, value chain and marketing of vegetables and fruits in the specific road corridor.
2. Potential locations of vegetables and fruit production, value chain development and resource required.
3. Feasible processing plans and marketing for vegetables and fruits.
4. Strategies for value chain development and marketing of vegetables and fruits in the specific road corridor.

Expected deliverables

The expected deliverables are:

1. Inception report with brief review of literature, checklist and work plan, within 2 weeks for the date of contract signing.
2. Filed work and reporting completed: within about 1.5 months from the date of contract signing
3. Draft report: within about 2.5 months from the date of contract signing (Incorporating description of inception and of field data/information)
4. Validation workshop with stakeholders for feedback: within about 2.75 months from the date of contract signing.
5. Final report: within about 3 months from the date of contract signing
6. The progress report with outline of work output has be to given to CAIDMP monthly within first week of following month.

7. Consultant's Qualifications

1. The consulting firm should be able to demonstrate best capability to handle the assignment solely or in joint venture in relation to its human resource and past track record on conducting development studies/agricultural economics/training on agriculture marketing studies/research/planning
2. The consulting firm shall depute qualified and experienced Experts after orientation of proposed assignment ensuring quality of data and report.
3. The firms' should have experiences through its central and branch office that would help to conduct field works will be desirable.

8. Team Composition and experience

S.N.	Position	No	Expected Input (person Month)	Qualification and Experience
I	Professional & Support Staffs			
1	TL / Agriculture Economist	1	3.00	At Least Master Degree in Agriculture Economics, Agribusiness (PhD Preferable) or related subject with minimum 10 years of related experience
2	Sociologist	1	1.50	At Least Master Degree in Sociology or related subject with

				minimum 7 years of related experience
3	Agriculture Expert (Vegetable Expert - 2, Fruit Expert -2)	4	10.00	At Least Master Degree in Horticulture (PhD Preferable) or related subject with minimum 10 years of related experience
4	Data Analyst/Statistician	1	1.25	At Least Master Degree in Statistics or related subject with minimum 10 years of related experience
5	Agricultural Engineer	1	1.50	At Least Bachelor Degree in Agriculture Engineer or related subject with minimum 5 years of related experience
II	Support Staffs			
6	Field Supervisor (Agriculturist)	6	6.00	
7	Enumerators	26	14.00	
8	Computer Assistant	1	3.00	
9	Assistants	1	3.00	

9. Time Frame of the Assignment

The assignment period is expected to be accomplished within about 3 months from the date of contract signing. The consulting firm is required to develop the work schedule reflecting the tasks of each of the study experts/members to meet the target. The consulting firm is required to strictly follow the timeline and go ahead into next milestone only obtaining the approval from CAIDMP.

10. Reporting

The consultant will have to submit the reports in the following time frame:

S.N	Expected deliverables	Estimated time for completion
1.	Inception report	Within 2 weeks from the date of contract signing
2	Filed survey report	within about 1.5 months from the date of contract signing
3	Draft report	within about 2.5 months from the date of contract signing
4	Monthly reports	Within 7 days of every month
5	Final report	within about 3 months from the date of contract signing (5 hard copies with electronic copy)

11. Mode of Payment

The amount shall be paid as per agreement to the consultant assigned for the study. However, the consultant can claim the payment either in a single installment after submission and acceptance of final report as per TOR or in installment as follows;

SN	Installment	Schedule
1	First Installment <i>(if necessary)</i>	20% of the total amount upon submission and acceptance of desk study/inception report
2	Second Installment	20% of the total amount upon submission and acceptance of field study report.
3	Third Installment	30 % of the total amount upon submission and acceptance of draft final report.
4	Final Installment	Remaining 30% of the total amount upon submission and acceptance of final report complying with TOR.

12. Required Experiences and evidence for Consulting Firm

- Working experiences on Project preparation and design specially in agriculture sector
- Consulting Firms should have VAT/PAN registration certificate and received tax clearance for the last fiscal year.
- Corporate Registration Certificate
- Tax Clearance Certificate (FY 2074/075)
- Joint Venture Agreement (if applicable)
- Description of the works completed within last Seven years
- Audit Report and Financial Statements (last five fiscal years)
- List of Professional Staffs and key personnel along with their qualification and work experiences to be assigned for the work
- List of the equipment, office space and facilities owned by the firm or JV of the firms
- Organization Profile

13. Responsibilities of the consulting firm/organization

- The consulting firm will have the overall responsibility to ensure that all the aspects of the assignment are implemented as per the ToR.

- The consulting firm shall develop a detail and high-quality project proposal on the scope of work that can be utilized and implemented in the near future.

14. Counterpart Facilities

The consulting firm should arrange all logistic support such as remuneration, allowances of the export, renting of equipment, cost of workshops, transportation cost, stationeries other inputs required for the as per the requirement of the terms of reference. No any counterpart facilities will be provided by the CAIDMP.

15. Intellectual Property Rights

All documentation related to the assignment shall remain the sole and exclusive property of CAIDMP.