



Food and Agriculture Organization  
of the United Nations



# Nepal



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HAND-IN-HAND INITIATIVE | INVESTMENT FORUM 2026

## **FAO'S HAND-IN-HAND INITIATIVE**

The investment opportunities presented in this document derive from government-led investment plans developed under FAO's Hand-in-Hand (HIH) Initiative. The Initiative supports countries in identifying high-impact agrifood system investments through a combination of data-driven territorial analysis, value chain assessments, and close collaboration with national counterparts. Using the Hand-in-Hand Geospatial Platform, the Initiative integrates geospatial, biophysical, and socio-economic data to identify priority "green zones" where agricultural potential and poverty incidence overlap, creating strong opportunities for transformative investment. Based on these analyses, national governments lead the development of investment plans that identify priority value chains, key bottlenecks, and potential investments required to accelerate agrifood system transformation. These investment opportunities aim to raise incomes, improve nutrition, and empower poor and vulnerable populations, while strengthening resilience to climate change and supporting the sustainable management of natural resources. The Initiative focuses on territories where targeted investments can generate the greatest impact in reducing poverty and hunger, contributing to progress towards Sustainable Development Goals SDG1 (No Poverty), SDG2 (Zero Hunger), and SDG10 (Reduced Inequalities), while balancing economic growth, social inclusion, and environmental sustainability.

## **IMPORTANT CLARIFICATIONS**

The opportunities presented in this document are derived from government investment plans and reflect national development priorities identified through the Hand-in-Hand Initiative. FAO provides analytical and technical support in the identification and assessment of these opportunities and facilitates engagement with potential partners. The concepts presented are indicative and require further structuring and discussion with the relevant governments and potential investors. This document therefore presents a pipeline of government-prioritized agrifood investment opportunities that have been pre-screened using FAO's Hand-in-Hand analytical tools. FAO can support interested partners by facilitating technical exchanges and follow-up discussions with relevant government counterparts.

## **IMPACT TAGS**

Investment cases are classified across four impact areas to highlight their primary development contributions and ensure comparability across countries and value chains.

-  **Livelihoods** Income, productivity, jobs, and market access
-  **Gender & Youth** Inclusion and opportunities for women and young people
-  **Planet & Environment** Climate resilience and sustainable resource management
-  **Digital** Use of technology to improve efficiency and access

*A youth-heavy, resource-rich agrifood system with strong government prioritization and untapped export potential*

## KEY INVESTMENT SIGNALS

POPULATION

**29.7M**

(MILLION)

AGRICULTURE'S SHARE  
OF GDP

**24.1%**

(MILLION)

AGRICULTURAL LAND

**4.1M ha**

(MILLION HECTARES)

## INVESTMENT CASE



### LARGE AGRIFOOD ECONOMY

- GDP of USD 42.3B, agriculture as the largest sector
- 57% working-age population; low labor costs
- Food demand has nearly tripled since 1970
- Diverse climate supports 8 priority commodities



### STRONG GOVERNMENT COMMITMENT

- "Decade of Agriculture Investment 2024–34" declared
- Targets per capita income of USD 2,351 by 2028
- USD 304.1M committed, USD 160M in negotiation
- USD 210M ADB funding for irrigation



### UNTAPPED INVESTMENT UPSIDE

- Agri/forestry get just 1.8% of FDI value vs. 24% of GDP
- Only 4.9% of FDI approvals go to agriculture
- USD 100M under negotiation with AIIB
- Trade access via SAARC, BIMSTEC, WTO, BRI

# NEPAL: INVESTMENT PORTFOLIO

*Scaling climate-smart, high-value agrifood systems to strengthen rural livelihoods and export competitiveness*

| INVESTMENT PLAN<br>NEPAL                                                                        | INVESTMENT CASE<br>1. LARGE CARDAMOM                                                             | INVESTMENT CASE<br>2. SICHUAN PEPPER                                                               | INVESTMENT CASE<br>3. HIGHLAND POTATO                                                              | INVESTMENT CASE<br>4. PANGASIUS FISH                                                               |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| IMPACT TAGS<br> | IMPACT TAGS<br> | IMPACT TAGS<br> | IMPACT TAGS<br> | IMPACT TAGS<br> |
| INVESTMENT<br><b>USD 213.9 million</b>                                                          | INVESTMENT<br><b>USD 38.6 million</b>                                                            | INVESTMENT<br><b>USD 33.7 million</b>                                                              | INVESTMENT<br><b>USD 8.4 million</b>                                                               | INVESTMENT<br><b>USD 12.2 million</b>                                                              |
| NPV<br><b>USD 185.1 million</b>                                                                 | NPV<br><b>USD 59.5 million</b>                                                                   | NPV<br><b>USD 37.8 million</b>                                                                     | NPV<br><b>USD 10.6 million</b>                                                                     | NPV<br><b>USD 31.1 million</b>                                                                     |
| AVG IRR<br><b>22.9%</b>                                                                         | IRR<br><b>28.7%</b>                                                                              | IRR<br><b>34.3%</b>                                                                                | IRR<br><b>37.3%</b>                                                                                | IRR<br><b>19.2%</b>                                                                                |
| DIRECT BENEFICIARIES<br><b>79.1 thousand</b>                                                    | DIRECT BENEFICIARIES<br><b>18.0 thousand</b>                                                     | DIRECT BENEFICIARIES<br><b>25.0 thousand</b>                                                       | DIRECT BENEFICIARIES<br><b>6.7 thousand</b>                                                        | DIRECT BENEFICIARIES<br><b>0.8 thousand</b>                                                        |
| INDIRECT BENEFICIARIES<br><b>395.9 thousand</b>                                                 | INDIRECT BENEFICIARIES<br><b>90.0 thousand</b>                                                   | INDIRECT BENEFICIARIES<br><b>125.0 thousand</b>                                                    | INDIRECT BENEFICIARIES<br><b>33.6 thousand</b>                                                     | INDIRECT BENEFICIARIES<br><b>3.8 thousand</b>                                                      |
| AVG PER CAPITA INCOME INCREASE<br><b>+USD 204</b>                                               | PER CAPITA INCOME INCREASE<br><b>+USD 263</b>                                                    | PER CAPITA INCOME INCREASE<br><b>+USD 120</b>                                                      | PER CAPITA INCOME INCREASE<br><b>+USD 486</b>                                                      | PER CAPITA INCOME INCREASE<br><b>+USD 2,782</b>                                                    |
| GHG IMPACT<br><b>-691.6 thousand tCO2-e</b>                                                     | GHG IMPACT<br><b>-414.8 thousand tCO2-e</b>                                                      | GHG IMPACT<br><b>-86.4 thousand tCO2-e</b>                                                         | GHG IMPACT<br><b>-4.8 thousand tCO2-e</b>                                                          | GHG IMPACT<br><b>-92.3 thousand tCO2-e</b>                                                         |

# NEPAL: INVESTMENT PORTFOLIO (cont'd)



Scaling climate-smart, high-value agrifood systems to strengthen rural livelihoods and export competitiveness

| INVESTMENT PLAN<br>NEPAL                          | INVESTMENT CASE<br>5. YAK CHEESE              | INVESTMENT CASE<br>6. ORANGE                    | INVESTMENT CASE<br>7. GINGER                   | INVESTMENT CASE<br>8. MOUNTAIN WILD HONEY |
|---------------------------------------------------|-----------------------------------------------|-------------------------------------------------|------------------------------------------------|-------------------------------------------|
| IMPACT TAGS<br>                                   | IMPACT TAGS<br>                               | IMPACT TAGS<br>                                 | IMPACT TAGS<br>                                | IMPACT TAGS<br>                           |
| INVESTMENT<br><b>USD 213.9 million</b>            | INVESTMENT<br><b>USD 2.0 million</b>          | INVESTMENT<br><b>USD 82.7 million</b>           | INVESTMENT<br><b>USD 33.1 million</b>          | INVESTMENT<br><b>USD 3.3 million</b>      |
| NPV<br><b>USD 185.1 million</b>                   | NPV<br><b>USD 12.0 million</b>                | NPV<br><b>USD 23.8 million</b>                  | NPV<br><b>USD 10.0 million</b>                 | NPV<br><b>USD 0.3 million</b>             |
| AVG IRR<br><b>22.9%</b>                           | IRR<br><b>19.1%</b>                           | IRR<br><b>15.0%</b>                             | IRR<br><b>23.5%</b>                            | IRR<br><b>38.4%</b>                       |
| DIRECT BENEFICIARIES<br><b>79.1 thousand</b>      | DIRECT BENEFICIARIES<br><b>0.3 thousand</b>   | DIRECT BENEFICIARIES<br><b>20.0 thousand</b>    | DIRECT BENEFICIARIES<br><b>8.4 thousand</b>    | DIRECT BENEFICIARIES<br><b>N.A.</b>       |
| INDIRECT BENEFICIARIES<br><b>395.9 thousand</b>   | INDIRECT BENEFICIARIES<br><b>1.5 thousand</b> | INDIRECT BENEFICIARIES<br><b>100.0 thousand</b> | INDIRECT BENEFICIARIES<br><b>42.0 thousand</b> | INDIRECT BENEFICIARIES<br><b>N.A.</b>     |
| AVG PER CAPITA INCOME INCREASE<br><b>+USD 204</b> | PER CAPITA INCOME INCREASE<br><b>+USD 183</b> | PER CAPITA INCOME INCREASE<br><b>+USD 93</b>    | PER CAPITA INCOME INCREASE<br><b>+USD 133</b>  | PER CAPITA INCOME INCREASE<br><b>N.A.</b> |
| GHG IMPACT<br><b>-691.6 thousand tCO2-e</b>       | GHG IMPACT<br><b>+6.2 thousand tCO2-e</b>     | GHG IMPACT<br><b>-71.6 thousand tCO2-e</b>      | GHG IMPACT<br><b>-31.2 thousand tCO2-e</b>     | GHG IMPACT<br><b>+3.2 thousand tCO2-e</b> |

# 1. LARGE CARDAMOM



Scaling climate-resilient cardamom production and processing for high-value export markets

## INVESTMENT PROFILE (INDICATIVE)

INVESTMENT

**USD 38.6M**  
(MILLION)

NPV

**USD 59.5M**  
(MILLION)

IRR

**28.7%**  
(%)

## RATIONALE

- Strong export demand from India, Pakistan, Bangladesh, and Middle East markets
- Significant productivity upside through disease-free saplings and modern cultivation
- High post-harvest losses create opportunities for processing and storage investments
- Women-led agroforestry system with strong climate and biodiversity benefits

## KEY BOTTLENECKS

1. Limited access to disease-free saplings and modern cultivation systems
2. Weak irrigation and post-harvest infrastructure
3. Limited certification and market systems
4. Insufficient processing and storage infrastructure
5. Limited grading, packaging, and value-addition capacity

## PROPOSED INVESTMENTS(\*)

- |         |        |                                                                                                                        |
|---------|--------|------------------------------------------------------------------------------------------------------------------------|
| Public  | PPP    | Expand tissue culture labs producing 81M climate-resilient saplings and training for 18,000 farmers (USD 12.1 million) |
| Private | PPP    | Install 1,200 drip irrigation systems, water tanks, pipelines, and 1,200 solar/electric dryers (USD 10.8 million)      |
| Private | Public | Establish traceability, e-marketing, and Organic/GI certification systems                                              |
| Private |        | Build 10 processing warehouses, 10 collection centers, and 20 storage facilities (USD 3.9 million)                     |
| Private |        | Install grading, oil extraction, vacuum packaging, labeling, and bottling equipment (USD 11.8 million)                 |

## SUSTAINABILITY BENEFITS



DIRECT  
BENEFICIARIES  
**18.0**  
(THOUSAND)



INDIRECT  
BENEFICIARIES  
**90.0**  
(THOUSAND)



PER CAPITA  
INCOME INCREASE  
**+263**  
(USD/PERSON)



GHG IMPACT  
FAO EXACT CARBON TOOL  
**-414.8K**  
(THOUSAND tCO2-e)

Note: (\*) Opportunities reflect government priorities identified through the FAO Hand-in-Hand Initiative and require further structuring with relevant public and private stakeholders.

## 2. SICHUAN PEPPER



Expanding certified spice production through climate-smart cultivation and modern processing

### INVESTMENT PROFILE (INDICATIVE)

INVESTMENT

**USD 33.7M**  
(MILLION)

NPV

**USD 37.8M**  
(MILLION)

IRR

**34.3%**  
(%)

### RATIONALE

- Rising demand in European and regional spice markets
- Large productivity gains possible through improved saplings and irrigation systems
- Limited certification and branding constrain export competitiveness
- Strong potential for cooperative-led processing and value addition

### KEY BOTTLENECKS

1. Limited production of improved Timur saplings and weak nursery infrastructure
2. Weak irrigation, drying, storage, and post-harvest systems
3. Limited certification, branding, and market systems
4. Outdated and fragmented processing infrastructure
5. Limited sorting, grading, and packaging capacity

### PROPOSED INVESTMENTS(\*)

- |         |        |                                                                                                                                                              |
|---------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Public  | PPP    | Upgrade government tissue culture labs and nurseries to produce 1.3M climate-resilient saplings (USD 0.1 million)                                            |
| Private | PPP    | Install 1,250 solar/electric units and train 25,000 farmers. Install 2,500 climate-smart irrigation systems and 1,000-liter storage tanks (USD 31.4 million) |
| Private | Public | Develop GI/organic certification, traceability, branding, and e-marketing platforms through cooperatives                                                     |
| Private |        | Build 4 integrated processing units combining collection, storage, drying, and processing facilities (USD 0.6 million)                                       |
| Private |        | Install sorting, grading, automated packaging, and vacuum sealing equipment (USD 1.5 million)                                                                |

### SUSTAINABILITY BENEFITS



DIRECT  
BENEFICIARIES  
**25.0**  
(THOUSAND)



INDIRECT  
BENEFICIARIES  
**125.0**  
(THOUSAND)



PER CAPITA  
INCOME INCREASE  
**+120**  
(USD/PERSON)



GHG IMPACT  
FAO EXACT CARBON TOOL  
**-86.4K**  
(THOUSAND tCO2-e)

Note: (\*) Opportunities reflect government priorities identified through the FAO Hand-in-Hand Initiative and require further structuring with relevant public and private stakeholders.

### 3. HIGHLAND POTATO



Developing climate-smart seed potato systems for domestic and regional markets

#### INVESTMENT PROFILE (INDICATIVE)

INVESTMENT

**USD 8.4M**  
(MILLION)

NPV

**USD 10.6M**  
(MILLION)

IRR

**37.3%**  
(%)

#### RATIONALE

- Strong demand for off-season and seed potatoes in Nepal and India
- Major gaps in virus-free seed production and storage infrastructure
- Mechanization and irrigation can significantly improve yields and efficiency
- High-altitude climate suitable for premium seed potato production

#### KEY BOTTLENECKS

1. Limited virus-free seed production and weak tissue culture infrastructure
2. Limited farmer capacity in climate-smart cultivation
3. Inadequate irrigation infrastructure
4. Labor shortages and low mechanization
5. Limited storage and warehouse infrastructure
6. Weak certification, branding, and market systems

#### PROPOSED INVESTMENTS(\*)

- |         |        |                                                                                                             |
|---------|--------|-------------------------------------------------------------------------------------------------------------|
| Public  | PPP    | Establish 1 new tissue culture lab, upgrade 1 government lab, and build 4 screen houses (USD 0.5 million)   |
| Public  |        | Train 6,720 farmers in climate-resilient cultivation (USD 0.9 million)                                      |
| Public  | PPP    | Build 3,360 small-scale irrigation schemes (USD 5.0 million)                                                |
| Public  |        | Supply potato diggers, ridgers, and power tillers (USD 0.9 million)                                         |
| Private |        | Build 18 zero-energy seed storage units (100 MT each) and 1 warehouse (1,500 MT capacity) (USD 1.0 million) |
| Private | Public | Develop certification, traceability, branding, and e-marketing                                              |

#### SUSTAINABILITY BENEFITS



DIRECT  
BENEFICIARIES  
**6.7**  
(THOUSAND)



INDIRECT  
BENEFICIARIES  
**33.6**  
(THOUSAND)



PER CAPITA  
INCOME INCREASE  
**+486**  
(USD/PERSON)



GHG IMPACT  
FAO EXACT CARBON TOOL  
**-4.8K**  
(THOUSAND tCO2-e)

Note: (\*) Opportunities reflect government priorities identified through the FAO Hand-in-Hand Initiative and require further structuring with relevant public and private stakeholders.

## 4. PANGASIUS FISH



Scaling climate-smart aquaculture to meet Nepal's growing fish demand

### INVESTMENT PROFILE (INDICATIVE)

INVESTMENT

**USD 12.2M**  
(MILLION)

NPV

**USD 31.1M**  
(MILLION)

IRR

**19.2%**  
(%)

### RATIONALE

- Rapidly growing domestic demand in major urban markets
- Large opportunity to upgrade traditional ponds into commercial fish systems
- Improved fingerlings, feed storage, and water management can boost productivity
- Strong nutrition and rural livelihood benefits through aquaculture expansion

### KEY BOTTLENECKS

1. Inadequate pond infrastructure for pangasius farming
2. Limited access to quality fish fingerlings
3. Slow adoption of advanced aquaculture practices
4. Weak climate-smart water management systems
5. Inconsistent feed supply and storage capacity

### PROPOSED INVESTMENTS(\*)

- |         |     |                                                                                                                  |
|---------|-----|------------------------------------------------------------------------------------------------------------------|
| Public  | PPP | Upgrade 3,000 carp ponds into pangasius fishponds with biosecurity and digitalized production systems            |
| Public  |     | Supply 37.5M quality fish fingerlings                                                                            |
| Public  |     | Train 750 farmers in good aquaculture practices for pangasius farming                                            |
| Private | PPP | Install 250 solar shallow tubewells, electric deep boring systems, and efficient water management infrastructure |
| Private | PPP | Construct 250 feed storage units (100 MT capacity each)                                                          |

### SUSTAINABILITY BENEFITS



DIRECT  
BENEFICIARIES  
**0.8**  
(THOUSAND)



INDIRECT  
BENEFICIARIES  
**3.8**  
(THOUSAND)



PER CAPITA  
INCOME INCREASE  
**+2,782**  
(USD/PERSON)



GHG IMPACT  
FAO EXACT CARBON TOOL  
**-92.3K**  
(THOUSAND tCO2-e)

Note: (\*) Opportunities reflect government priorities identified through the FAO Hand-in-Hand Initiative and require further structuring with relevant public and private stakeholders.

## 5. YAK CHEESE



Modernizing mountain dairy processing for premium domestic and export markets

### INVESTMENT PROFILE (INDICATIVE)

INVESTMENT

**USD 2.0M**  
(MILLION)

NPV

**USD 12.0M**  
(MILLION)

IRR

**19.1%**  
(%)

### RATIONALE

- Growing niche demand for premium mountain dairy products
- Processing and cold-chain gaps constrain product quality and scalability
- Renewable energy systems can reduce operating costs in remote areas
- Supports mountain livelihoods, tourism, and indigenous pastoral systems

### KEY BOTTLENECKS

1. Inadequate processing infrastructure

Private

PPP

Construct 15 modern cheese processing facilities to improve efficiency and product quality (USD 834.3 thousand)

2. Limited storage and preservation capacity

Public

PPP

Install 60 chilling vats, 60 aluminum containers, and 60 water tanks for improved storage and temperature control (USD 173.8 thousand)

3. Weak quality control and standardization systems

Private

PPP

Install 105 milk analyzers and 105 digital weighing machines for quality assurance and production consistency (USD 78.6 thousand)

4. High energy dependence and operating costs

Private

PPP

Install 105 solar power systems to reduce energy costs and improve sustainability (USD 43.1 thousand)

5. Weak transportation and market access systems

Private

PPP

Deploy 30 cooling vehicles to strengthen cold-chain transport and market access (USD 898.3 thousand)

### PROPOSED INVESTMENTS(\*)

### SUSTAINABILITY BENEFITS



DIRECT  
BENEFICIARIES  
**0.3**  
(THOUSAND)



INDIRECT  
BENEFICIARIES  
**1.5**  
(THOUSAND)



PER CAPITA  
INCOME INCREASE  
**+183**  
(USD/PERSON)



GHG IMPACT  
FAO EXACT CARBON TOOL  
**+6.3K**  
(THOUSAND tCO2-e)

Note: (\*) Opportunities reflect government priorities identified through the FAO Hand-in-Hand Initiative and require further structuring with relevant public and private stakeholders.

## 6. ORANGE



## Strengthening climate-resilient citrus production and post-harvest systems

### INVESTMENT PROFILE (INDICATIVE)

#### INVESTMENT

**USD 82.7M**  
(MILLION)

#### NPV

**USD 23.8M**  
(MILLION)

#### IRR

**15.0%**  
(%)

### RATIONALE

- Rising domestic and export demand for fresh and processed citrus products
- Significant losses due to weak irrigation and post-harvest handling systems
- Modern equipment and pest management can improve productivity and quality
- Strong income-generation potential for women-led farming systems

### KEY BOTTLENECKS

1. Limited availability of quality seedlings

Public

PPP

Invest in 2M high-quality orange seedlings to improve long-term productivity (USD 2.8 million)

2. Weak irrigation and water management systems

Private

PPP

Install 10,000 drip irrigation systems and 1,250 water storage tanks (USD 39.8 million)

3. High post-harvest losses and poor handling systems

Public

Supply 1.2M storage crates to reduce damage and preserve fruit quality (USD 7.2 million)

4. Weak pest and disease management capacity

Public

PPP

Deploy 40,000 spraying machines for improved crop protection (USD 3.0 million)

5. Labor shortages and outdated farming equipment

Public

Provide 30,000 modern farming tools and 40,000 semi-permanent fencing systems to improve efficiency (USD 29.9 million)

### SUSTAINABILITY BENEFITS



DIRECT  
BENEFICIARIES  
**20.0**  
(THOUSAND)



INDIRECT  
BENEFICIARIES  
**100.0**  
(THOUSAND)



PER CAPITA  
INCOME INCREASE  
**+93**  
(USD/PERSON)



GHG IMPACT  
FAO EXACT CARBON TOOL  
**-71.6K**  
(THOUSAND tCO<sub>2</sub>-e)

Note: (\*) Opportunities reflect government priorities identified through the FAO Hand-in-Hand Initiative and require further structuring with relevant public and private stakeholders.

## 7. GINGER



Expanding value-added ginger processing for regional and global markets

### INVESTMENT PROFILE (INDICATIVE)

INVESTMENT

**USD 33.1M**  
(MILLION)

NPV

**USD 10.0M**  
(MILLION)

IRR

**23.5%**  
(%)

### RATIONALE

- Strong export potential for processed and organic ginger products
- High post-harvest losses due to weak drying and storage infrastructure
- Certification systems can unlock access to premium international markets
- Climate-smart processing can improve quality and farmer incomes

### KEY BOTTLENECKS

1. High post-harvest losses and weak quality control systems

Public PPP

Install 840 drying machines and 840 washing machines to improve processing efficiency and product quality (USD 14.1 million)

2. Limited storage infrastructure and spoilage risks

Private PPP

Establish 420 ventilated storage warehouses for improved preservation and shelf life (USD 5.0 million)

3. Limited farmer skills in post-harvest handling and processing

Public

Deliver 3-day post-harvest and processing training programs for 8,400 farmers (USD 13.8 million)

4. Weak certification and compliance systems

Private Public

Invest in annual quality certification systems to meet food safety and export standards (USD 44.9 thousand)

### SUSTAINABILITY BENEFITS



DIRECT  
BENEFICIARIES  
**8.4**  
(THOUSAND)



INDIRECT  
BENEFICIARIES  
**42.0**  
(THOUSAND)



PER CAPITA  
INCOME INCREASE  
**+133**  
(USD/PERSON)



GHG IMPACT  
FAO EXACT CARBON TOOL  
**-31.2K**  
(THOUSAND tCO2-e)

Note: (\*) Opportunities reflect government priorities identified through the FAO Hand-in-Hand Initiative and require further structuring with relevant public and private stakeholders.

## 8. MOUNTAIN WILD HONEY



Scaling premium mountain honey processing through quality and branding investments



### INVESTMENT PROFILE (INDICATIVE)

INVESTMENT

**USD 3.3M**  
(MILLION)

NPV

**USD 0.3M**  
(MILLION)

IRR

**38.4%**  
(%)

### RATIONALE

- Premium export potential in organic and specialty honey markets
- Limited processing and laboratory infrastructure constrain quality compliance
- Branding and certification can strengthen market competitiveness
- Supports biodiversity conservation and indigenous mountain livelihoods

### KEY BOTTLENECKS

1. Inadequate processing and storage infrastructure

2. Weak laboratory and quality testing capacity

3. Limited automation and modern processing equipment

4. Weak packaging, labeling, and branding systems

5. Inefficient transportation and cold-chain logistics

### PROPOSED INVESTMENTS(\*)

Public PPP

Develop/refurbish 3 processing buildings, 3 storage houses, and 3 R&D facilities (USD 1.9 million)

Public PPP

Procure high-end laboratory equipment (HPLC, UV spectrophotometers, incubators, etc) (USD 0.3 million)

Public PPP

Acquire modern processing machinery: 6 pasteurizers, 180 primary filters and 15 pressure filters, 9 rotary gear pumps, 6 moisture reduction units, and 6 CIP systems (USD 0.2 million)

Public PPP

Purchase shrink-wrap and automatic labeling machines (USD 89.7 thousand)

Public PPP

Purchase temperature-controlled vehicles and 300 food-grade storage tanks (USD 0.8 million)

### SUSTAINABILITY BENEFITS



DIRECT  
BENEFICIARIES  
**N.A.**  
(THOUSAND)



INDIRECT  
BENEFICIARIES  
**N.A.**  
(THOUSAND)



PER CAPITA  
INCOME INCREASE  
**N.A.**  
(USD/PERSON)



GHG IMPACT  
FAO EXACT CARBON TOOL  
**+3.2K**  
(THOUSAND tCO2-e)

Note: (\*) Opportunities reflect government priorities identified through the FAO Hand-in-Hand Initiative and require further structuring with relevant public and private stakeholders.



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# Nepal



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bilateral meeting:*

