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# NEPAL INFRASTRUCTURE SUMMIT 2019

Resilient Infrastructure for Sustainable Development

दिगो विकासका लागि मजबूत पूर्वाधार

11-12 September, 2019, Hotel Hyatt, Kathmandu

## PROVINCES SHOWCASE PROJECTS



# NEPAL INFRASTRUCTURE SUMMIT 2019

‘Resilient Infrastructure for Sustainable Growth’



Nepal has now met the technical criteria to graduate from UN-defined status of a Least Developed Country (LDC), and is expected to embark on this transition in 2021. By 2030, Nepal expects to meet almost all the SDGs, and also become a lower middle-income country with a respectable average per capita income. These targets and the Government's slogan of “Prosperous Nepal – Happy Nepali” can, however, only be realised if the country invests adequately in infrastructure, and sets in motion a process of capital formation and economic growth that is broadbased, jobcreating, and sustained.

In recent years, public funding of capital projects has increased, but huge gaps remain, of between US\$77B and \$136B until 2030, according to a recent CNI estimate, in just four priority sectors of energy, transport, urban development and water and sanitation. To fill this gap, there is a need to expedite Public Private Partnerships at home and attract investments from abroad. Currently available financial instruments and modalities for investment in infrastructure are not adequate. Therefore, working with thinktanks and the private sector, the government must facilitate and assist in the development of such instruments and facilities. A rapid development of infrastructure cannot happen without taking the private sector (local and foreign) into confidence. In many areas, private investors have the technical, managerial and financial clout to deliver efficient, high-quality and cost-effective results. However, the techno-financial feasibility of projects needs to be married with a zeal for sweeping legal and economic reforms spearheaded by the central government in coordination with its subnational counterparts.

The third Nepal Infrastructure Summit, to be organized by the Confederation of Nepalese Industries (CNI), Nepal Government and YCNC as co-organizer in 11-12 September 2019, will assemble over 500 participants. It will deliberate on issues that shape incentives for investment and enable the private sector to partner for sustainable prosperity. The Summit will focus on the global and regional megatrends, including climate change, and their relevance to the local context, issues surrounding infrastructure project delivery, financing modalities, and opportunities for cross-border economic cooperation and investments. This event will consolidate and build upon the achievements of the earlier two summits held in November 2014 and February 2017 to chart a new infrastructure agenda in the age of sustainable development.

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### **Disclaimer:**

*The showcase projects have been reproduced as officially received from Government of Province 1, Province 3, Gandaki Province, Province 5, Karnali Province and Sudurpashchim Province. Confederation of Nepalese Industry (CNI) doesn't assume any liability of what so ever nature with respect to legal, commercial and other aspects of the showcase projects.*

# PROVINCE 1



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>BIRATNAGAR REGIONAL INTERNATIONAL AIRPORT</b>
2	Sector	Transport (Aviation)/ Tourism
3	Type	-
4	Description	<ul style="list-style-type: none"> <li>• Single Runway</li> <li>• Capacity to Handle: A320/B737</li> <li>• Area: 150 Hectare</li> <li>• Runway Length: 2400 metres (Potentially 3000 metres)</li> <li>• Passengers: 3-5 Million Annually</li> <li>• Other Retail and Commercial Developments</li> <li>• New markets that can be tapped: <i>Thailand, Malaysia, India, China, Bangladesh, Bhutan, Pakistan, Sri Lanka, Western Parts of Nepal</i></li> </ul>
<b>PROJECT LOCATION</b>		
	Province	Province No. 1
	Project Location	Biratnagar
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1		• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	• -
3	Project Opportunity	<ul style="list-style-type: none"> <li>• Increase in the number of tourist inflow in the region;</li> <li>• Increased trade and large cargo business;</li> <li>• Increase in the attractiveness of Province No. 1 as a region for doing business through reduction in cost of doing business;</li> <li>• Economic regeneration and creation of employment opportunities</li> </ul>
• <b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• -
2	Role of the Government of Nepal	• -
3	Role of Private Sector	• -
<b>FINANCIALS</b>		

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	15 Billion (NRs)
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

#### **CONTACT DETAILS**

Name of Office	Office of the Chief Minister and Council of Ministers
Address	Biratnagar, Morang
Phone	+977-21-470166
Fax	+977-21-470161
Email	ocmcm1@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>GREATER BIRAT AREA RING ROAD PROJECT</b>
2	Sector	Transport
3	Type	-
4	Description	Covering 1 Metropolitan City, 2 Sub-Metropolitan Cities, 5 Municipalities and 3 Rural Municipalities; 4-Lane Ring Road, with Planned Development of Satellite, Sports and Tourism Cities Itahari, Dharan, Damak, Biratnagar, Inaruwa, Duhabi
<b>PROJECT LOCATION</b>		
	Province	Province No. 1
	Project Location	Itahari, Dharan, Damak, Biratnagar, Inaruwa, Duhabi
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1		• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	
3	Project Opportunity	<ul style="list-style-type: none"> <li>• Connectivity with the commercial hub would be beneficial to integrate economic activities.</li> <li>• Decentralization of traffic movement</li> <li>• Greater mobility of people which will boost economy and create job opportunities</li> <li>• Enhance safety and reduce congestion</li> <li>• Will link jobs with people</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• -
2	Role of the Government of Nepal	• -
3	Role of Private Sector	• -
<b>FINANCIALS</b>		
1	Total Project Cost	NRs. 210 Billion

	(Including Interest During Construction & Land Acquisition)	-
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	

#### CONTACT DETAILS

Name of Office	Office of the Chief Minister and Council of Ministers
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S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>MASS TRANSPORTATION PROJECT IN GREATER BIRAT</b>
2	Sector	Transport
3	Type	-
4	Description	<ul style="list-style-type: none"> <li>Dedicated transportation line (Monorail/Metrorail/Sky rail/BRT)</li> <li>The project covers major cities in Greater Birat and connects Itahari, Dharan, Duhabi, Inaruwa</li> <li>Distance: First Phase: Biratnagar –Itahari (24.6 KM) Second Phase: Itahari-Dharan (15.7 KM) Third Phase: Connecting cities in Greater Birat (30 KM)</li> </ul>
<b>PROJECT LOCATION</b>		
	Province	Province No. 1
	Project Location	Itahari, Dharan, Damak, Biratnagar, Inaruwa, Duhabi
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1		• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	
3	Project Opportunity	<ul style="list-style-type: none"> <li>-</li> <li>Can cater the need of urbanization and mass transportation</li> <li>Increase in the number of tourist inflow in the region;</li> <li>Increase in the attractiveness of Province No. 1 as a tourist destination;</li> <li>Economic regeneration and creation of employment opportunities</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• -
2	Role of the Government of Nepal	• -
3	Role of Private Sector	• -
<b>FINANCIALS</b>		

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	NRs. 210.90 Billion
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

#### CONTACT DETAILS

Name of Office	Office of the Chief Minister and Council of Ministers
Address	Biratnagar, Morang
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S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>PROVINCE 1 INTERNATIONAL CONVENTION CENTRE AND/OR EXHIBITION HALL</b>
2	Sector	Sports/ Health/ Education/Industry
3	Type	-
4	Description	<ul style="list-style-type: none"> <li>• Location for International Convention Centre: Itahari</li> <li>• Location for Exhibition Hall: Dharan</li> <li>• Conference rooms, lecture and concert halls, meeting rooms, performance venue</li> <li>• Capacity to accommodate more than 1000 people with desk, theatre, observer and gallery seats and other smaller rooms/halls</li> <li>• Supporting infrastructure</li> </ul>
<b>PROJECT LOCATION</b>		
	Province	Province No. 1
	Project Location	Itahari (Sunsari)
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1		• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	• -
3	Project Opportunity	<ul style="list-style-type: none"> <li>• Development of MICE tourism</li> <li>• Improvements in the destinations environment through revitalization of areas</li> <li>• Spurring of additional capital improvements through public and private collaboration</li> <li>• Lengthening of tourist season</li> <li>• Revenue source for provincial government</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• -
2	Role of the Government of Nepal	• -
3	Role of Private Sector	• -

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	NRs. 3 Billion
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Office of the Chief Minister and Council of Ministers
Address	Biratnagar, Morang
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S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>MEGA/ SMART CITY PROJECT - RUMJHATAR(OKHLADHUNGA) AND ITAHARI (SUNSARI)</b>
2	Sector	Infrastructure/ Urban Development
3	Type	-
4	Description	<ul style="list-style-type: none"> <li>A smart sustainable city is an innovative city that uses ICTs and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social, environmental as well as cultural aspects</li> <li>Population of over 5 million or 1000 people per square kilometers</li> <li>Modernized infrastructure, including sewage management, drinking water, and Bus Rapid Transit</li> </ul>
<b>PROJECT LOCATION</b>		
	Province	Province No. 1
	Project Location	Rumjhatar (Okhlahdunga) and Itahari (Sunsari)
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1		• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	
3	Project Opportunity	<ul style="list-style-type: none"> <li>Urban economic regeneration at a large scale</li> <li>Planned development and economic growth is boosted</li> <li>Development of infrastructure and agglomeration would support other sectors, such as industry, tourism, trade, and other service sectors, among others</li> <li>Improvement in social and human development through the availability of high quality basic services</li> <li>Addressing the issue of urban poverty and inequality</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• -

2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Land, Land acquisition and Regulatory support and Gap Funding</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Investment, Development and Management</li> <li>DFIs, DP</li> </ul>

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	NRs. 20 Billion
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

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S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>SPECIAL ECONOMIC ZONE</b>
2	Sector	Industry
3	Type	-
4	Description	<ul style="list-style-type: none"> <li>• Integrated Business City with combination of business, infrastructure and sustainable practices</li> <li>• Residential and retail spaces along with education, health and research infrastructure</li> <li>• Single window clearance for customs and approvals</li> <li>• Potential location: Amaduwa VDC, Morang</li> <li>• Area: 200 Ha Approx.</li> </ul>
<b>PROJECT LOCATION</b>		
	Province	Province No. 1
	Project Location	Biratnagar
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1		• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	• -
3	Project Opportunity	<ul style="list-style-type: none"> <li>• Economic regeneration</li> <li>• Promotion of export-oriented industries</li> <li>• Strengthening of backward –forward linkages</li> <li>• Creation of jobs at a large scale</li> <li>• Incentives for greater labor mobility from other cities such as Kathmandu</li> <li>• Enhanced integration of Nepal into the regional and global economy</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• -
2	Role of the Government of Nepal	• Land, Land acquisition and Regulatory support, Gap Funding

### 3 Role of Private Sector

- Investment, Development and Management
- DFIs, DP

#### FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	NRs. 8 Billion
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

#### CONTACT DETAILS

Name of Office	Office of the Chief Minister and Council of Ministers
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## OTHER PROJECTS

1. Jadibuti Company
2. Satellite Smart City
3. Organic Fertilization Factory
4. Dharan- Mulghat Tunnel Road
5. Taal Talaiya Theme Park, Itahari
6. 200 MW Solar Electricity Production
7. Mundhum-Trailways: Salpa- Koshi Island
8. Srilanka Island Multipurpose Specific Zone
9. Himalayan Trailways from Kanchanjunga- Everest Base Camp
10. Chatara- Tumlingtar, Chatara- Dolalghat Waterway Transportation
11. Drinking Water Supply and Export through Trunk Line- Koshi and Tamor
12. Kechana- Sagarmatha Fast Track Road and Cable Car Transportation
13. Bio-Gas and Organic Fertilizer Production through Waste Management
14. Dharan-Bhedetar, Namche and Chaurikharka-Namche Dudhkunda Cable Car

### CONTACT DETAILS

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# PROVINCE 3



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>CHAUTARA SIPAGHAT KATTIKE KATHMANDU ROAD PROJECT</b>
2	Sector	Transportation
3	Type	District Road Standard/Class IV, Double Lane
4	Description	10 km of road out of about 50 km road of this project is under construction with multiyear approval. While, for the rest road section, budget is allocated for the preparation of Detail Project Report (DPR).
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Starting Point Chautara Bazar, Sindhupalchowk and Ending Point, Shankarapur Municipality, Kathmandu
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	<ul style="list-style-type: none"> <li>• Track Opening with earthwork excavation works.</li> <li>• Retaining structures for retaining wall, side drainage, breast wall and other structures.</li> <li>• Pavement works with sub grade preparation, and sub base/ base work with wearing course.</li> <li>• Road Furniture and Traffic Safety measures works.</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>• From the traffic study of existing road of Chautara-Dhulikhel-Kathmandu Road and Chautara-Melamchi-Sankhu road, the proposed road is considered as the shortest, most economical, efficient and this proposed road can cater the designed traffic volume of the eastern part of the Kathmandu Valley and its surrounding districts.</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>• -</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>• Increment of land use value, increment in mobility and smooth accessibility with proper safety factor.</li> </ul>

## DEVELOPMENT MODALITY

- |   |                                 |  |
|---|---------------------------------|--|
| 1 | Development Modality            | <ul style="list-style-type: none"> <li>• Government Funding</li> </ul>   |
| 2 | Role of the Government of Nepal | <ul style="list-style-type: none"> <li>• Planning, Budgeting and Monitoring.</li> </ul>                              |
| 3 | Role of Private Sector          | <ul style="list-style-type: none"> <li>• Private sector might also be encouraged for the project funding.</li> </ul> |

## FINANCIALS

- |   |   |   |
|---|---|---|
| 1 | Total Project Cost<br>(Including Interest During Construction & Land Acquisition) | Around \$35 Million USD<br>(Since the Detail Project Report (DPR) is under study, the exact amount is not assured.) (Inclusive of Taxes, Physical and Price Adjustment Contingencies, Resettlement Activities and other agenda) |
| 2 | Equity IRR  | Above 15%   |
| 3 | NPV Equity  | -   |
| 4 | Debt Equity Ratio   | -   |

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Physical Infrastructure Development
Address	Hetauda, Makwanpur
Phone	+ 057-525168
Fax	-
Email	s3mopid@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>CHITLANG-TISTUNNG- PALUNG- DAMAN INTEGRATED TOURISM PROJECT</b>
2	Sector	Tourism (Religious and Adventurous)
3	Type	Cable Car, cycling, Hotel/resort, trekking, adventurous gaming, Golf etc.
4	Description	This Place is a famous natural beauty place near the Capital of Nepal Kathmandu. The place suitable internal tourism for Nepal. Lake view, Mountain view, Organic Farming, Home stay can be developed.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Makawanpur district (Chitlang-Tistunng- Palung- Daman Integrated Tourism Project)
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>Provincial Government has given priority to such project.</li> <li>-</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>Religious tourism, Adventurous tourism, Local economic regeneration, other socio-economic developments.</li> </ul>
3	Project Opportunity	Lengthening of tourist season, Revenue source for provincial government, Refreshment.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>Public Private Partnership</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Planning, Budgeting and Monitoring.</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Private sector might also be encouraged for the project funding.</li> </ul>
<b>FINANCIALS</b>		

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around NRs 5 Billion (Prepared by office of the Investment Board, Nepal)
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Industry, Tourism, Forest and Environment
Address	Hetauda, Makwanpur
Phone	+ 057-525670
Fax	-
Email	moitfe3@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>DASDHUNGA-GAJIPUR-GOLAGHAT NARAYANI RIVER INTEGRATED TOURISM PROJECT</b>
2	Sector	Tourism (Religious and Adventurous)
3	Type	Cycling, Hotel/Resort, Trekking, Adventurous Gaming, Rafting, Boating, Ship, etc
4	Description	This Place is a famous natural plenary place near the Capital of Province. It is an Economic hub of Nepal and connecting point of all Terai region to Kathmandu valley. The place suitable internal tourism for Nepal. Organic Farming, Home stay can be developed.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Chitwan (Dasdhunga-Gajipur-Golaghat Narayani River Integrated Tourism Project)
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Provincial Government has given priority to such project.
2	Project Supply	• -
3	Project Opportunity	• Religious tourism, Adventurous tourism, Local economic regeneration, other socio-economic developments. Lengthening of tourist season, Revenue source for provincial government.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Planning, Budgeting and Monitoring
3	Role of Private Sector	• Private sector might also be encouraged for the project funding.

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around NRs 5 Billion (Prepared by office of the Investment Board, Nepal)
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Industry, Tourism, Forest and Environment
Address	Hetauda, Makwanpur
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Email	moitfe3@gmail.com



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>GOSAIKUNDA INTEGRATED TOURISM PROJECT</b>
2	Sector	Tourism (Religious and Adventurous)
3	Type	Cable Car, cycling, Hotel/resort, trekking, adventurous gaming, Golf etc.
4	Description	Gosaikunda Lake is one of the most famous religious and pilgrimage sites of Nepal and located at an altitude of 4,380 m (14370 ft.) and surrounded by peaks in Langtang National Park in Rasuwa District with a surface of 13.8 ha (34 acres)
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Rasuwa District
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>It is a religious as well as famous pilgrimage site of Nepal near the kathmandu.</li> <li>-</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>Religious tourism, Adventurous tourism, Local economic regeneration, other socio-economic developments.</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>Lengthening of tourist season, Revenue source for provincial government.</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>Public Private Partnership</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Planning, Budgeting and Monitoring</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Private sector might also be encouraged for the project funding.</li> </ul>
<b>FINANCIALS</b>		

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around NRs 17.6 Billion (Prepared by office of the Investment Board, Nepal)
2	Equity IRR	Above 15.54%
3	NPV Equity	-
4	Debt Equity Ratio	-

#### CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Industry, Tourism, Forest and Environment
Address	Hetauda, Makwanpur
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S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>HETAUDA PHAKHEL PHARPING ROAD PROJECT</b>
2	Sector	Transportation
3	Type	Road Improvement
4	Description	This road connects the major settlement, Hetuada and Kathmandu of Province No. 3.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Starting Point Hetauda, Makwanpur and Ending Point Dakshinkali, Kathmandu
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	<ul style="list-style-type: none"> <li>Track Opening and widening with earthwork excavation works.</li> <li>Retaining structures for retaining wall, side drainage, breast wall and other structures.</li> <li>Pavement works with sub grade preparation, and sub base/ base work with wearing course.</li> <li>Road Furniture and Traffic Safety measures works.</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>It is the shortest, economical, safe and efficient route from Hetauda to Kathmandu through Sisneri. This road is an essential project for the identification of this province in terms of road network. It adds in the regional mass transportation also.</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>-</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>Increment of land use value, increment in mobility and smooth accessibility with proper safety factor, reduction in vehicular operation cost.</li> </ul>

## DEVELOPMENT MODALITY

- |   |                                 |  |
|---|---------------------------------|--|
| 1 | Development Modality            | • Government Funding   |
| 2 | Role of the Government of Nepal | • Planning, Budgeting and Monitoring.                              |
| 3 | Role of Private Sector          | • Private sector might also be encouraged for the project funding. |

## FINANCIALS

- |   |   |   |
|---|---|---|
| 1 | Total Project Cost<br>(Including Interest During Construction & Land Acquisition) | Around \$10 Million USD<br>(Since the Detail Project Report (DPR) is under study, the exact amount is not assured.) (Inclusive of Taxes, Physical and Price Adjustment Contingencies, Resettlement Activities and other agenda) |
| 2 | Equity IRR  | Above 12%   |
| 3 | NPV Equity  | -   |
| 4 | Debt Equity Ratio   | -   |

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Physical Infrastructure Development
Address	Hetauda, Makwanpur
Phone	+ 057-525168
Fax	-
Email	s3mopid@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>HETAUDA SISNERI PHARPING DAKSHINKALI ROAD PROJECT</b>
2	Sector	Transportation
3	Type	Road Improvement
4	Description	This road connects the major settlement, Hetauda and Kathmandu of Province No. 3.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Starting Point Hetauda, Makwanpur and Ending Point Dakshinkali, Kathmandu through Sisneri.
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	<ul style="list-style-type: none"> <li>Track Opening and widening with earthwork excavation works.</li> <li>Retaining structures for retaining wall, side drainage, breast wall and other structures.</li> <li>Pavement works with sub grade preparation, and sub base/ base work with wearing course.</li> <li>Road Furniture and Traffic Safety measures works.</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>It is the shortest, economical, safe and efficient route from Hetauda to Kathmandu through Sisneri. This road is an essential project for the identification of this province in terms of road network. It adds in the regional mass transportation also.</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>-</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>Increment of land use value, increment in mobility and smooth accessibility with proper safety factor, reduction in vehicular operation cost.</li> </ul>
<b>DEVELOPMENT MODALITY</b>		

1	Development Modality	<ul style="list-style-type: none"> <li>Government Funding</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Planning, Budgeting and Monitoring.</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Private sector might also be encouraged for the project funding.</li> </ul>

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around \$12 Million USD (Since the Detail Project Report (DPR) is under study, the exact amount is not assured.) (Inclusive of Taxes, Physical and Price Adjustment Contingencies, Resettlement Activities and other agenda)
2	Equity IRR	Above 12%
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Physical Infrastructure Development
Address	Hetauda, Makawanpur
Phone	+ 057-525168
Fax	-
Email	s3mopid@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>HIGH-ALTITUDE AND CLIMBING TRAINING CENTRE</b>
2	Sector	Tourism/ Sports
3	Type	-
4	Description	Infrastructure for alpine training and sport climbing, education and schools, Residential facilities, Supporting transport infrastructure in the region.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Rolwaling /Gaurishankar
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Develop Tourism in Province • -
2	Project Supply	
3	Project Opportunity	• Preservation of indigenous and traditional knowledge, promotion of climbing and mountaineering education, Revenue for local/provincial governments, Local economic regeneration through building of tourism infrastructure, Skills utilization and creation of direct and indirect jobs, Utilization of local resources to serve the need of the tourists/trainees and trainers.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Facilitation for land and forest acquisition and other regulatory
3	Role of Private Sector	• Facilitation from the public sector
<b>FINANCIALS</b>		

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around Rs. 2 - 4 Billion (Prepare by office of the Investment Board, Nepal)
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Industry, Tourism, Forest and Environment
Address	Hetauda, Makwanpur
Phone	+ 057-525670
Fax	-
Email	moitfe3@gmail.com



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>INTEGRATED HEALTH, SPORTS AND EDUCATION CITY (WITH SPORTS STADIUM)</b>
2	Sector	Sports/ Health/ Education
3	Type	-
4	Description	Catering to the needs of growing and diverse education and athletic community, comprising of sports complex, sports -specific academies, relevant health infrastructure and facilities, as well as supporting infrastructure, Sports Stadium (Cricket, Football) Multiplex
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Province 3
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	• -
3	Project Opportunity	• Urban economic regeneration, retaining young people as well as Nepali tourists going abroad, Developing sports capabilities of Nepali players at the national level, Sports tourism.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Blended Finance
2	Role of the Government of Nepal	• Land and Regulatory Support
3	Role of Private Sector	• Investment, Development and Management
<b>FINANCIALS</b>		

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around NPR 6 Billion (Prepare by office of the Investment Board, Nepal)
	Equity IRR	-
2	NPV Equity	-
3	Debt Equity Ratio	-
4		-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Social Development
Address	Hetauda, Makawanpur
Phone	+ 057-245678
Fax	-
Email	pmosd@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>INTERNATIONAL CONVENTION CENTRE</b>
2	Sector	Sports/ Health/ Education
3	Type	Capacity to accommodate more than 2000 people with desk, theatre, observer and gallery seats and other smaller rooms/halls
4	Description	Conference rooms, lecture and concert halls, meeting rooms, Hall and Banquet
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Hetauda, Makawanpur
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	<ul style="list-style-type: none"> <li>Project location was Identified.</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>Central government and province government decided to build convention centre un Hetauda. It is essential project for province 3.</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>-</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>Development of MICE tourism, Improvements in the destinations environment through revitalization of areas, spurring of additional capital improvements through public and private collaboration, Lengthening of tourist season, Revenue source for provincial government.</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>Public Private Partnership</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Planning, Budgeting and Monitoring</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Private sector might also be encouraged for the project funding.</li> </ul>

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around Rs. 2 Billion
2	Equity IRR	Above 15.54%
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Social Development
Address	Hetauda, Makwanpur
Phone	+ 057-245678
Fax	-
Email	pmosd@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>INTERSTATE AND INTRASTATE TRANSPORTATION PROJECT</b>
2	Sector	Transport
3	Type	Construction
4	Description	About 200 including electric bus, Modern bus, terminals with business center, Fueling station, Charging Station.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Districts of Province 3
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Improvement in access to employment opportunities as the projects helps to overcome spatially unequal distribution of jobs. Increase in the number of Internal tourist inflow in the region. Province 3 government have decided on its policy and program that the fuel vehicle will replace by electric vehicle by 2085 B.S.
2	Project Supply	• -
3	Project Opportunity	• Balance between economic agglomeration and dispersion. Reduce Import of Fuel. Minimize transportation fees.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Planning, Budgeting and Monitoring
3	Role of Private Sector	• Private sector might also be encouraged for the project funding.

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around Rs. 4 Billion (Prepared by office of the Investment Board, Nepal)
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Physical Infrastructure Development
Address	Hetauda, Makwanpur
Phone	+057-525168
Fax	-
Email	s3mopid@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>JIRI VALLEY (GREEN TOURISM CITY/ TOWN) DEVELOPMENT PROJECT</b>
2	Sector	Tourism/Infrastructure/Energy
3	Type	-
4	Description	Agricultural farms, Residential homes with Swiss/Nepali architecture Artificial lake/ponds, Energy (potential hydro and solar power.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Jiri, Dolakha District
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• It is a most famous tourism place of Nepal with natural beauty, clean environment, adventure, small valley so-called Switzerland of Nepal.
2	Project Supply	• -
3	Project Opportunity	• Rural economic regeneration at a large scale, Improvement in social and human development through the availability of high quality basic services, planned development and economic growth is boosted Development of infrastructure and agglomeration would support other sectors, such as industry, tourism, trade, and other service sectors
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Facilitation for land and forest acquisition and other regulatory facilitation
3	Role of Private Sector	• Investment Fund
<b>FINANCIALS</b>		

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around Rs. 2.5 Billion (Prepared by office of the Investment Board, Nepal)
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Industry, Tourism, Forest and Environment
Address	Hetauda, Makwanpur
Phone	+ 057-525670
Fax	-
Email	moitfe3@gmail.com



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>LAND DEVELOPMENT AND INDUSTRIAL CORRIDOR PROJECT</b>
2	Sector	Industry
3	Type	-
4	Description	Integrated Industrial Corridor with combination of business, infrastructure and sustainable practices Residential and retail spaces along with education, health and research infrastructure. 1015 hector land in Mari Sindhuli, 677 hector lands in Manahari Makwanpur identified for industrial park. Both location are easy asses of highway road connection and other essential facilities are available.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	(Chitwan-Makwanpur-Sindhuli)
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Provincial government has decided to conduct Integrated industrial corridor on its policy and program.
2	Project Supply	• -
3	Project Opportunity	• Economic regeneration, Promotion of export -oriented industries, Strengthening of backward, – forward linkages Creation of jobs at a large-scale Incentives for greater labor mobility from other cities such as Kathmandu.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Blended Finance
2	Role of the Government of Nepal	• Land and Regulatory Support

- |   |                        |  |
|---|------------------------|--|
| 3 | Role of Private Sector | <ul style="list-style-type: none"> <li>Investment, Development and Management</li> </ul> |
|---|------------------------|--|

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around Rs. 5-6 Billion (Prepare by office of the Investment Board, Nepal)
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Industry, Tourism, Forest and Environment
Address	Hetauda, Makwanpur
Phone	+ 057-525670
Fax	-
Email	moitfe3@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>MADAN BHANDARI INSTITUTE OF HEALTH SCIENCES (MBIHS) PROJECT</b>
2	Sector	Health
3	Type	Medical treatment, Postgraduate Programs (MD/MS/MDS) and M.Sc. programs in Human Anatomy, Clinical Physiology, Biochemistry, Pharmacology, Pathology, Forensic Medicine, Community Medicine, Pharmacy, Nursing and laboratory sciences.
4	Description	Madan Bhandari Institute of Health Sciences (MBIHS) will be established in Hetauda, Makwanpur district, state-3, Nepal under the name of Late Madan Kumar Bhandari, a legendary leader of Nepal, for the delivery of quality health services and production of quality health man powers.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Hetauda, Makwanpur
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	<ul style="list-style-type: none"> <li>For the faculty requirement and required infrastructures for different departments and different disciplines, (hostel, teaching central, administrative building, College and different hospital building and practice central) the guidelines of the Nepal Medical council</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>Provincial government 3 has include this project on its policy and program. Current we have Hetauda hospital with 120-bed capacity. We already start to build next 200 bed capacity building in this year. After upgrading all provincial we will manager all hospital under Madan Bhandari institute of Health sciences</li> </ul>

2	Project Supply	• -
3	Project Opportunity	• MBIHS will be A Center of Excellence Through Medical Education, Research and Service.

### DEVELOPMENT MODALITY

1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Planning, Monitoring and Facilitation
3	Role of Private Sector	• Private Sector can invest in collaboration with Public Sector

### FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around Rs. 3 Billion
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

### CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Social Development
Address	Hetauda, Makawanpur
Phone	+ 057-245678
Fax	-
Email	pmosd@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>MEGA / SMART CITY PROJECT</b>
2	Sector	Infrastructure/ Urban Development
3	Type	550 MW +
4	Description	A smart sustainable city is an innovative city that uses ICTs and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social, environmental as well as cultural aspects, Population of over 5 million or 1000 people per square kilometers Modernized infrastructure, including sewage management, drinking water, and Bus Rapid Transit.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Bharatpur- Hetauda Corridor
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	• -
3	Project Opportunity	<ul style="list-style-type: none"> <li>Urban economic regeneration at a large scale, planned development and economic growth is boosted, Development of infrastructure and agglomeration would support other sectors, such as industry, tourism, trade, and other service sectors, among others, Improvement in social and human development through the availability of high quality basic services, Addressing the issue of urban poverty and inequality.</li> </ul>

## DEVELOPMENT MODALITY

- |   |                                 |   |
|---|---------------------------------|---|
| 1 | Development Modality            | • Blended Finance   |
| 2 | Role of the Government of Nepal | • Land, Land acquisition and Regulatory support                                       |
| 3 | Role of Private Sector          | • Investment, Development and Management<br>DFIs, DP, Federal Government: Gap Funding |

## FINANCIALS

- |   |   |   |
|---|---|---|
| 1 | Total Project Cost<br>(Including Interest During Construction & Land Acquisition) | Around NRs 8 – 10 Billion<br>(Prepare by office of the Investment Board, Nepal) |
| 2 | Equity IRR  | -   |
| 3 | NPV Equity  | -   |
| 4 | Debt Equity Ratio   | -   |

## CONTACT DETAILS

- |                |   |
|----------------|---|
| Name of Office | Provincial Government, Province No. 3, Ministry of Social Development |
| Address        | Hetauda, Makwanpur  |
| Phone          | + 057-525168  |
| Fax            | -   |
| Email          | s3mopid@gmail.com   |

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>METROPOLITAN SOLID WASTE MANAGEMENT PROJECT</b>
2	Sector	Waste Management
3	Type	-
4	Description	Development of necessary facilities as well as carrying out of activities including door -to-door collection of waste, street sweeping, cleaning of riverbanks, surface drainage and cleaning public places like temples, management of e- waste, management of hazardous waste, hold campaigns on waste management issues, manage medical waste and keep database of service recipients Starting Point Balkhu, Kathmandu and Ending Point Hetauda, Makwanpur.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Bharatpur and Hetauda
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Clean environment and reuse of waste materials
2	Project Supply	• -
3	Project Opportunity	• Cleanliness and sustainability, Resource generation (for example through waste to energy projects), Reduction in government burden to invest, Efficiency and productivity, Range of desirable outputs through processing of waste.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Planning, Budgeting and Monitoring

- |   |                        |  |
|---|------------------------|--|
| 3 | Role of Private Sector | <ul style="list-style-type: none"> <li>Private sector might also be encouraged for the project funding.</li> </ul> |
|---|------------------------|--|

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around NPR 2 Billion (Prepare by office of the Investment Board, Nepal) Above 15.54%
2	Equity IRR	Above 15 percent
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Land Management, Agriculture and Cooperative
Address	Hetauda, Makwanpur
Phone	+ 057-525947
Fax	-
Email	adhikarigin@gmail.com



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>NON-TIMBER FOREST PRODUCTS PROCESSING FACTORY</b>
2	Sector	Agriculture and Forestry
3	Type	-
4	Description	Processing factory Collection Centers Supporting logistics.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	10 Districts
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Provincial Government has given priority to such project.
2	Project Supply	• -
3	Project Opportunity	• Ensuring optimum utilization of the region's resources (such as wood) that goes wasted Strengthening backward and forward linkages Creation of job opportunities and ensuring livelihoods of people in the region (especially rural areas) and users can get wood in low price.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Facilitation for land and forest acquisition and other regulatory facilitation
3	Role of Private Sector	• Investment Fund
<b>FINANCIALS</b>		
1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around NRs 20 crore (Prepared by office of the Investment Board, Nepal)
2	Equity IRR	-

3	NPV Equity	-
4	Debt Equity Ratio	-

### CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Industry, Tourism, Forest and Environment
Address	Hetauda, Makwanpur
Phone	+ 057-525670
Fax	-
Email	moitfe3@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>POSTA BAHADUR BOGATI TUNNEL PROJECT</b>
2	Sector	Road Improvement
3	Type	Strategic Road Standard/Class II, Four Lane
4	Description	The road length from Hetauda to Kathmandu is approximately 227 km along the Prithivi Highway with travel time of approx. 6-8 hrs. The alternative route - the Tribhuvan Highway is only 133 km in length but requires travel time of approximately 7-8 hrs. Therefore, the government has envisioned to develop a short highway to connect Kathmandu to Hetauda. This project connects the Provincial Capital city of Province No. 3 with Central Capital of Nepal. This project is one of the life line project of Province No. 3 as well as the country itself. Budget for the preparation of detail feasibility study has been allocation in this FY.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Starting Point Bhimphedi, Makawanpur and Ending Point Sisneri Bagmati Dovaan connected with fast track.
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	<ul style="list-style-type: none"> <li>• Alignment fixation, environmental study.</li> <li>• Tunnel Excavation work with necessary safety measurements.</li> <li>• Track Opening with earthwork excavation works.</li> <li>• Retaining structures for retaining wall, side drainage, breast wall and other structures.</li> <li>• Pavement works with sub grade preparation, and sub base/ base work with wearing course.</li> <li>• Road Furniture and Traffic Safety measures works.</li> </ul>

## MARKET ASSESSMENT

- |   |                     |  |
|---|---------------------|--|
| 1 | Project Demand      | <ul style="list-style-type: none"> <li>It is the shortest, economical, safe and efficient route from Hetauda to Kathmandu. This road is an essential project for the identification of this province in terms of road network. It adds in the regional mass transportation also.</li> </ul>  |
| 2 | Project Supply      | <ul style="list-style-type: none"> <li>-</li> </ul>  |
| 3 | Project Opportunity | <ul style="list-style-type: none"> <li>Increment of land use value, increment in mobility and smooth accessibility with proper safety factor, reduction in operation cost. Save 15 billion annually on fuel and spare parts, saves time and energy as the travel time: 1.5 hours from 7 hours, Reduction in existing road maintenance cost, promote employment opportunities and also positive impact on economic of surrounding regions, help to lower the production cost in Kathmandu.</li> </ul> |

## DEVELOPMENT MODALITY

- |   |                                 |  |
|---|---------------------------------|--|
| 1 | Development Modality            | <ul style="list-style-type: none"> <li>Government Funding</li> </ul>   |
| 2 | Role of the Government of Nepal | <ul style="list-style-type: none"> <li>Planning, Budgeting and Monitoring</li> </ul>                               |
| 3 | Role of Private Sector          | <ul style="list-style-type: none"> <li>Private sector might also be encouraged for the project funding.</li> </ul> |

## FINANCIALS

- |   |   |  |
|---|---|--|
| 1 | Total Project Cost<br>(Including Interest During Construction & Land Acquisition) | Around \$400 Million USD<br>(Since the Detail Project Report (DPR) is under study, the exact amount is not assured.) (Inclusive of Taxes, Physical and Price Adjustment Contingencies, Resettlement Activities and other agenda) |
| 2 | Equity IRR  | Above 15%  |
| 3 | NPV Equity  | -  |
| 4 | Debt Equity Ratio   | -  |

**CONTACT DETAILS**

Name of Office	Provincial Government, Province No. 3, Ministry of Physical Infrastructure Development
Address	Hetauda, Makwanpur
Phone	+057-525168
Fax	-
Email	s3mopid@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>PROVINCE 3 LUXURY HILL STATION PROJECT</b>
2	Sector	Tourism
3	Type	-
4	Description	Tourism Hotels and home stays catering to high, middle and low-income groups, Other tourism amenities and infrastructure, Open theatre, Cultural shows.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	10 Districts
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Provincial Government has given priority to such project. To attract the tourist during visit Nepal 2020.
2	Project Supply	• -
3	Project Opportunity	• Generated passengers for tourism purposes Revenue for local/provincial governments, Local economic regeneration through building of tourism infrastructure, Skills utilization and creation of direct and indirect jobs, Utilization of local resources to serve the need of the tourists.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	▪ Public Private Partnership
2	Role of the Government of Nepal	▪ Facilitation for land and forest acquisition and other regulatory facilitation
3	Role of Private Sector	▪ Investment Fund
<b>FINANCIALS</b>		
1	Total Project Cost	Around Rs. 1 Billion (Prepared by office of the Investment Board, Nepal)

(Including Interest During Construction & Land Acquisition)

2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

### CONTACT DETAILS

Name of Office Provincial Government, Province No. 3, Ministry of Industry, Tourism, Forest and Environment

Address Hetauda, Makwanpur

Phone + 057-525670

Fax -

Email moitfe3@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>PROVINCE 3 TECHNICAL UNIVERSITY PROJECT</b>
2	Sector	Education
3	Type	Spaces and amenities to support start -ups/spin- offs from the research in the University.
4	Description	Infrastructure (transport and buildings) for the technical university along with other supporting infrastructure Specialist schools (such as hotel management, computer programming, etc.) Residential places.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Province 3
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• To produce technical Manpower.
2	Project Supply	• -
3	Project Opportunity	• Urban economic regeneration, retaining young people as well as Nepali tourists going abroad, developing sports capabilities of Nepali players at the national level, developing sports c capabilities of Nepali players at the national level, Sports tourism, Developing regional identity
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Planning, Budgeting and Monitoring
3	Role of Private Sector	• Project funding
<b>FINANCIALS</b>		



1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around Rs. 2-3 Billion (Prepare by office of the Investment Board, Nepal)
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

### CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Social Development
Address	Hetauda, Makwanpur
Phone	+ 057-245678
Fax	-
Email	pmosd@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>PROVINCE-WIDE COLD STORAGE PROJECT AND AGRICULTURE SUPER MARKET</b>
2	Sector	Agriculture and Forestry
3	Type	At least 13 cold storages facilities. Catering to storage of both fruit and vegetables.
4	Description	Cold storage facilities with a combined capacity of around 100,000 – 150,000 metric tons with facilities spread across various urban and rural municipalities and major market centers. Collection centers in different rural and urban municipalities.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	All districts of Province 3
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Due to different favorable geographical, weather and environment different types of crops, fruits and vegetable farming can produce.
2	Project Supply	• -
3	Project Opportunity	• Value addition on the agricultural Project, Demand and supply management, Import-substitution, value of the farmers and potential increase in income, food security.
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Planning, Budgeting and Monitoring
3	Role of Private Sector	• Built, operated and managed by the private sector

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around Rs. 8 Billion (Prepared by office of the Investment Board, Nepal)
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Land Management, Agriculture and Cooperative
Address	Hetauda, Makwanpur
Phone	+057-525947
Fax	-
Email	adhikarigin@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>PUSPHALAL PROVINCIAL RING ROAD PROJECT</b>
2	Sector	Transportation
3	Type	District Road Standard/Class IV, Double Lane
4	Description	This road covers all districts (excluding Kathmandu valley) into single road network connecting all districts. Budget for the preparation of detail feasibility study has been allocation in FY 2076/77.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	It connects the major rural settlement area of 10 districts of Province no. 3.
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	<ul style="list-style-type: none"> <li>• Alignment fixation.</li> <li>• Track Opening with earthwork excavation works.</li> <li>• Retaining structures for retaining wall, side drainage, breast wall and other structures.</li> <li>• Pavement works with sub grade preparation, and sub base/ base work with wearing course.</li> <li>• Road Furniture and Traffic Safety measures works.</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>• It connects the major rural settlement area of 10 districts of province no. 3. This road is an essential project for the identification of this province in terms of road network. It adds in the regional mass transportation also.</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>• -</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>• Increment of land use value, increment in mobility and smooth accessibility with proper safety factor, reduction in vehicular operation cost.</li> </ul>

## DEVELOPMENT MODALITY

- |   |                                 |  |
|---|---------------------------------|--|
| 1 | Development Modality            | <ul style="list-style-type: none"> <li>• Government Funding</li> </ul>   |
| 2 | Role of the Government of Nepal | <ul style="list-style-type: none"> <li>• Planning, Budgeting and Monitoring</li> </ul>                               |
| 3 | Role of Private Sector          | <ul style="list-style-type: none"> <li>• Private sector might also be encouraged for the project funding.</li> </ul> |

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around \$250 Million USD (Since the Detail Project Report (DPR) is under study, the exact amount is not assured.) (Inclusive of Taxes, Physical and Price Adjustment Contingencies, Resettlement Activities and other agenda)
2	Equity IRR	Above 12%
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Physical Infrastructure Development
Address	Hetauda, Makwanpur
Phone	+ 057-525168
Fax	-
Email	s3mopid@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>TIMBER FOREST PRODUCTS PROCESSING FACTORY</b>
2	Sector	Agriculture and Forestry
3	Type	-
4	Description	Processing factory Collection Centers Supporting logistics
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	10 Districts
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Provincial Government has given priority to such project.
2	Project Supply	• -
3	Project Opportunity	• Ensuring optimum utilization of the region's resources (such as wood) that goes wasted Strengthening backward and forward linkages Creation of job opportunities and ensuring livelihoods of people in the region (especially rural areas)
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Facilitation for land and forest acquisition and other regulatory facilitation
3	Role of Private Sector	• Investment
<b>FINANCIALS</b>		
1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around NRs 20 crore (Prepared by office of the Investment Board, Nepal)
2	Equity IRR	-
3	NPV Equity	-

4 Debt Equity Ratio

#### **CONTACT DETAILS**

Name of Office Provincial Government, Province No. 3, Ministry of Industry, Tourism,  
Forest and Environment

Address Hetauda, Makwanpur

Phone + 057-525670

Fax -

Email moitfe3@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>TOKHA CHHAHARE NUWAKOT ROAD PROJECT</b>
2	Sector	Transportation
3	Type	District Road Standard/Class IV, Double Lane
4	Description	Budget for the preparation of Detail Project Report (DPR) has been allocation in FY 2076/77. Also, NRs. 20 million has been allocated for the construction work in this FY.
<b>PROJECT LOCATION</b>		
	Province	3
	Project Location	Starting Point Tokha, Kathmandu and Ending Point Bidur, Nuwakot
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Component	<ul style="list-style-type: none"> <li>Track Opening with earthwork excavation works.</li> <li>Retaining structures for retaining wall, side drainage, breast wall and other structures.</li> <li>Pavement works with sub grade preparation, and sub base/ base work with wearing course.</li> <li>Road Furniture and Traffic Safety measures works.</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>From the traffic study of existing road of Balaju Kakani Bidur Road and Gajuri Bidur road, the proposed road is considered as the shortest, most economical, efficient and this proposed road can cater the designed traffic volume of the eastern part of the Kathmandu Valley and its surrounding districts.</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>-</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>Increment of land use value, increment in mobility and smooth accessibility with proper safety factor, reduction in vehicular operation cost.</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>Government Funding</li> </ul>



- |   |                                 |  |
|---|---------------------------------|--|
| 2 | Role of the Government of Nepal | • Planning, Budgeting and Monitoring.                              |
| 3 | Role of Private Sector          | • Private sector might also be encouraged for the project funding. |

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	Around \$30 Million USD (Since the Detail Project Report (DPR) is under study, the exact amount is not assured.) (Inclusive of Taxes, Physical and Price Adjustment Contingencies, Resettlement Activities and other agenda)
2	Equity IRR	Above 12%
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Provincial Government, Province No. 3, Ministry of Physical Infrastructure Development
Address	Hetauda, Makwanpur
Phone	+ 057-525168
Fax	-
Email	s3mopid@gmail.com

# GANDAKI PROVINCE



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>BHALU PAHAD</b>
2	Sector	Tourism
3	Type	-
4	Description	Construction of Tourism Site
<b>PROJECT LOCATION</b>		
	Province	Gandaki
	Project Location	Syangja
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	• -
3	Project Opportunity	• -
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Government - Public Participation
2	Role of the Government of Nepal	• Owner
3	Role of Private Sector	• Support
<b>FINANCIALS</b>		
1	Total Project Cost (Including Interest During Construction & Land Acquisition)	NPR 51 Million
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

**CONTACT DETAILS**

Name of Office Phedikhola Rural Municipality

Address Phedikhola Rural Municipality, Syangja

Phone +063-402073

Fax -

Email -

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>BHAMARKOT TREKKING ROUTE</b>
2	Sector	Tourism
3	Type	-
4	Description	Construction of Tourism Site
<b>PROJECT LOCATION</b>		
	Province	Gandaki
	Project Location	Parbat
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	• -
3	Project Opportunity	• -
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	▪ Government - Public Participation
2	Role of the Government of Nepal	▪ Owner
3	Role of Private Sector	▪ Support
<b>FINANCIALS</b>		
1	Total Project Cost (Including Interest During Construction & Land Acquisition)	NPR 60 Million
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

**CONTACT DETAILS**

Name of Office    Modi Rural Municipality

Address            Modi Rural Municipality, Parbat

Phone              +977- 9840220374

Fax                  -

Email               -

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>CHARIKHOLA TAAL AND GAIGHAT JHARANA</b>
2	Sector	Tourism
3	Type	Recreation
4	Description	Construction of tourism site
<b>PROJECT LOCATION</b>		
Province:		Gandaki
Project Location:		Baglung
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Components	<ul style="list-style-type: none"> <li>Tourist recreation and water related activities</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>There is tourist flow within Baglung who can be diverted</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>-</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>Destination for internal tourist for water sports and recreation activities</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>Government-Public Participation</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Own and Facilitate</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Support</li> </ul>
<b>FINANCIALS</b>		
1	Total Project Cost:	NPR 60 Million
2	Equity IRR	(Including Interest During
3	NPV Equity	Construction & Land Acquisition)
4	Debt Equity Ratio	
<b>CONTACT DETAILS</b>		
Name of Office		Tarakhola Rural Municipality
Address		Tarakhola Rural Municipality, Baglung
Phone:		+977- 9857661126

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>MAHASHILA PARK</b>
2	Sector	Tourism
3	Type	
4	Description	Construction of Tourism Site
<b>PROJECT LOCATION</b>		
	Province	Gandaki
	Project Location:	Parbat
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	• -
3	Project Opportunity	• -
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	▪ Government - Public Participation
2	Role of the Government of Nepal	▪ Owner
3	Role of Private Sector	▪ Support
<b>FINANCIALS</b>		
1	Total Project Cost (Including Interest During Construction & Land Acquisition)	NPR 69 Million
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-



**CONTACT DETAILS**

Name of Office	Mahashila Rural Municipality
Address	Mahashila Rural Municipality, Parbat
Phone	+977-9857675111
Fax	-
Email	-

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>PROVINCIAL INDUSTRIAL ZONE</b>
2	Sector	Industry development
3	Type	SEZ/Industrial Park
4	Description	Construction of Industrial Zone
<b>PROJECT LOCATION</b>		
	Province	Gandaki
	Project Location:	Bhotepokhari, Pokhara, Kaski
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Components	<ul style="list-style-type: none"> <li>Facilities and utilities development for Industrial Park</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>High land cost and poor infrastructure in other areas</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>Facilities to accommodate growing industry interest</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>Offer industries opportunity to relocate at better facility</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>BOOT (Built Operate and Ownership Transfer)</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Owner</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Support</li> </ul>
<b>FINANCIALS</b>		
1	Total Project Cost: (Including Interest During Construction & Land Acquisition)	NPR 2 Billion
2	Equity IRR	11 %
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office Provincial Policy and Planning Commission

Address Gandaki, Pokhara, Nepal

Phone +061-464841

Fax -

Email [pppc.gandaki@gmail.com](mailto:pppc.gandaki@gmail.com)

# PROVINCE 5



GENERAL		
1	Name of Project	<b>LIVESTOCK PRODUCT VALUE CHAIN DEVELOPMENT PROJECT</b>
2	Sector	Agriculture
3	Type	Livestock
4	Description	Livestock is one of the important components of the agriculture. Agriculture is base of prosperous Province for province no. 5
PROJECT LOCATION		
	Province	Province No. 5
	Project Location	All districts of Province no. 5

PROJECT COMPONENT/TECHNOLOGY	
(i) Livestock production sub-sector project ( meat and milk)	
<ul style="list-style-type: none"> <li>• Support improved breed of cow, buffalo and goat</li> <li>• Improve livestock fodder and forage</li> <li>• Develop capacity to livestock farming</li> </ul>	
(ii) Livestock production value chain sub-sector project	
<ul style="list-style-type: none"> <li>• Strengthen capacity of value chain actors on processing and marketing of dairy and meat industries</li> <li>• Develop marketing system of the produce livestock product</li> </ul>	

MARKET ASSESSMENT		
1	Project Demand	Country and export to cross boarder market <ul style="list-style-type: none"> <li>• Meat from 64000 MT to 93000 MT ( Project period 5 Year)</li> <li>• Milk 362000 Kilo Liter to 507000 Kilo Liter ( Project period 5 Year)</li> </ul>

		<ul style="list-style-type: none"> <li>10,000 Job creation</li> </ul>
2	Project Supply:	<ul style="list-style-type: none"> <li>Province 5 has potential for Livestock farming and scope for export marketing within the country and export from the country close to boarder area.</li> <li>Potential area for livestock farming where cereal crops has limited scope in the mountainous area</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>Province periodic plan focus to agriculture that livestock is one of the components of agriculture so; job creation from agriculture sector is the major part of the periodic plan.</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>Public for establishing the processing industries and government support for capacity building of the farmers</li> </ul>
2	Role of the Government of Province	<ul style="list-style-type: none"> <li>Overall project design and policy formulation,</li> <li>Provision of government land</li> <li>Coordination with project's other components</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Marketing of the products and job creation</li> <li>Coordination with government and other similar projects</li> </ul>
<b>FINANCIALS</b>		
1	Total Project Cost	95,977,200 (USD)
	95,977,200 USD	
	(Including Interest During Construction &	TBD
2	Land acquisition)	TBD Million (USD)
3	Equity IRR	TBD
4	NPV Equity	
	Debt Equity Ratio	

**CONTACT DETAILS**

Name of Office Office of the Chief Minister and Council of Ministers

Address Butwal

Phone 071-550618

Email [info@ocmcm.p5.gov.np](mailto:info@ocmcm.p5.gov.np)

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>NAUMURE MULTIPLE PROJECT</b>
2	Sector	Water resources
3	Type	Hydropower, Irrigation and Tourism
4	Description	3 Plants with total capacity 388 MW; Irrigation area: 80,350 ha
<b>PROJECT LOCATION</b>		
	Province	Province No. 5
	Project Location	Pyuthan, Arghakhanchi, Dang and Kapilvastu
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
		<ul style="list-style-type: none"> <li>Naumure Storage Project with Powerhouse (247 MW)</li> </ul>
		<ul style="list-style-type: none"> <li>Bagasoti Re-regulating Dam with Powerhouse (46 MW)</li> </ul>
		<ul style="list-style-type: none"> <li>Surai Naka Diversion Project (95 MW)</li> </ul>
		<ul style="list-style-type: none"> <li>Irrigation System in Kapilvastu (30,715 ha)</li> </ul>
		<ul style="list-style-type: none"> <li>Irrigation System in Deukhuri (9,635 ha)</li> </ul>
		<ul style="list-style-type: none"> <li>Irrigation System in Banke [augmented] (40,000 ha)</li> </ul>
		<ul style="list-style-type: none"> <li>Naumure Manmade Lake (Boating, Cruise, Fishery) 22.59 sq.km</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>Hydropower front: Electrical energy comprises mere 3% of Nepal's energy pie. Nepal government has planned to increase per capita electricity consumption of present 110 kW-h to 1500 kW-h in 10 years. In line with the national target of 5000 MW by 5 years, Province No. 5 needs to develop 750 MW electricity.</li> <li>Irrigation Front: Agriculture has been considered as the most important sector for provincial prosperity. Out of about 6.5</li> </ul>



lakh hectare irrigable land, only 51% is irrigated and the province aims to increase it to 70% in 5 years.

- |   |                     |  |
|---|---------------------|--|
| 2 | Project Supply      | <ul style="list-style-type: none"> <li>Nationally, electricity supply is heavily dependent on the import from India. At the province level, electricity production is less than 50 MW.</li> <li>Vast agricultural land in Kapilvastu has rainwater as the sole source of irrigation. Large plots of agricultural land in Dang and Banke have seasonal and inadequate irrigation supply.</li> </ul> |
| 3 | Project Opportunity | <ul style="list-style-type: none"> <li>The project lies completely within Province No. 5 and the provincial government is aiming to develop the project as a province pride project. The project will be developed as several components. Private sectors are encouraged to develop the hydropower and tourism components.</li> </ul>  |

#### DEVELOPMENT MODALITY

- |   |                                 |   |
|---|---------------------------------|---|
| 1 | Development Modality            | <ul style="list-style-type: none"> <li>Public for dam and irrigation; private for hydropower and tourism</li> </ul>   |
| 2 | Role of the Government of Nepal | <ul style="list-style-type: none"> <li>Overall project design and policy formulation,</li> <li>Special privileges of a province pride project</li> <li>Provision of government land, land acquisition, facilitation and project security</li> <li>Coordination with project's other components</li> </ul> |
| 3 | Role of Private Sector          | <ul style="list-style-type: none"> <li>Development and operation of project components on BOOT model</li> <li>Production and sales of electricity</li> <li>Operation of tourist facilities in the lake as a tourist hub in the province</li> <li>Coordination with other project components</li> </ul>    |

#### FINANCIALS

- |   |   |                    |
|---|---|--------------------|
| 1 | Total Project Cost<br>(Including Interest During Construction & Land acquisition) | ~880 Million (USD) |
| 2 | Equity IRR  | TBD                |
| 3 | NPV Equity  | TBD Million (USD)  |
| 4 | Debt Equity Ratio   | TBD                |

## CONTACT DETAILS

Name of Office	Office of the Chief Minister and Council of Ministers
Address	Butwal
Phone	071-550618
Email	<a href="mailto:info@ocmcm.p5.gov.np">info@ocmcm.p5.gov.np</a>

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>RAPTI INTERNATIONAL STADIUM</b>
2	Sector	Sports
3	Type	Venue for organizing national and international sports
4	Description	An international class stadium, fitness center and hotels
<b>PROJECT LOCATION</b>		
	Province	Province No. 5
	Project Location	Dang
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1		Development of an international stadium
2		Hotels, eateries and recreation facilities
3		Fitness center
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>Nepal acutely lacks international class stadia even though Nepal is doing well in sports sector. With the economic growth of the province, it is essential to develop a good stadium in the province.</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>A cricket stadium is under construction in Dang. The proposed stadium will complement the existing cricket stadium to develop the region as a hub for organizing national and international sports.</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>The project has the potential to be established as a venue for national and international sports competition.</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	Private
2	Role of the Government of Nepal	Overall project design and area development Make land available for the stadium

### 3 Role of Private Sector

Develop and operate the stadium on BOOT model

#### FINANCIALS

1	Total Project Cost	~15 Million (USD)
	(Including Interest During Construction & Land acquisition)	
2	Equity IRR	TBD
3	NPV Equity	TBD Million (USD)
4	Debt Equity Ratio	TBD

#### CONTACT DETAILS

Name of Office	Office of the Chief Minister and Council of Ministers
Address	Butwal
Phone	071-550618
Email	info@ocmcm.p5.gov.np

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>PROVINCE INNOVATION CENTRE (ICT PARK)</b>
2	Sector	ICT
3	Type	ICT Education, ICT Park, BPO, Data Centre
4	Description	ICT Gurukul; ICT Park with a business complex; Software development; Business process outsourcing; Data centre; Boot camp and training; Jumpstart companies
<b>PROJECT LOCATION</b>		
	Province	Province No. 5
	Project Location	Rupandehi
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
	Component	ICT Gurukul to produce 100 ICT professionals annually
		ICT Park and Business complex for companies to perform ICT business such as software development and business process outsourcing
		Data centre for government and private organizations
		Banking and international money transfer facilities
		Decent accommodation, exhibition halls and training rooms with boot camp and training facilities
		Expert support and good environment for jumpstart companies
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>With a tremendous growth of ICT enterprise globally, ICT business in Nepal is expanding rapidly and is now a multibillion rupees sector. While the contribution of ICT sector in the national GDP crossed 30% in China by 2017, it was below 1% in Nepal. Recently, availability of online payment system, increased use of smart phones and accessibility to internet have created a conducive environment for ICT sector to flourish. As Bhairahawa is the national gateway to IT</li> </ul>

super highway and as the province has good road and air transportation network, province number 5 stands uniquely for ICT business.

- |   |                     |  |
|---|---------------------|--|
| 2 | Project Supply      | <ul style="list-style-type: none"> <li>Province No. 5 has 11 ICT colleges. However, the graduates find limited career opportunities locally and have to go Kathmandu or abroad. Most of the ICT business in Nepal is concentrated in Kathmandu and emerging cities like Butwal are well-poised for establishing ICT ventures.</li> </ul> |
| 3 | Project Opportunity | <ul style="list-style-type: none"> <li>Province No. 5 envisions the proposed Innovation Centre as having a potential to positively transform the province towards its aim of being a digital province.</li> </ul>  |

#### DEVELOPMENT MODALITY

- |   |                                 |   |
|---|---------------------------------|---|
| 1 | Development Modality            | Public for land and physical infrastructure up to the centre; private for the development of interior infrastructure and facilities and for the operation                                       |
| 2 | Role of the Government of Nepal | <ul style="list-style-type: none"> <li>Overall project design and policy formulation,</li> <li>Land acquisition, facilitation and project security</li> <li>Operation of ICT Gurukul</li> </ul> |
| 3 | Role of Private Sector          | <ul style="list-style-type: none"> <li>Infrastructure development</li> <li>Operation of the ICT park</li> <li>Anchor company to attract companies</li> </ul>                                    |

#### FINANCIALS

- |   |   |                   |
|---|---|-------------------|
| 1 | Total Project Cost<br>(Including Interest During Construction & Land acquisition) | ~10 Million (USD) |
| 2 | Equity IRR  | TBD               |
| 3 | NPV Equity  | TBD Million (USD) |
| 4 | Debt Equity Ratio   | TBD               |

#### CONTACT DETAILS

Name of Office	Office of the Chief Minister and Council of Ministers
Address	Butwal
Phone	071-550618
Email	info@ocmcm.p5.gov.np

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>RURU RELIGIOUS AND TOURIST AREA MANAGEMENT</b>
2	Sector	Tourism
3	Type	Religious tourism, sightseeing
4	Description	Development of the flood plain of Kali river and its confluence with Ridi Khola; Shaligram tourism; Glorification of the religious, historical, cultural and archaeological heritage
<b>PROJECT LOCATION</b>		
	Province	Province No. 5
	Project Location	Gulmi and Palpa
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1		Development of the flood plain of Kali river and its confluence with Ridi Khola; Regeneration as a holy ghat, river-based recreation
2		<i>Shaligram</i> tourism; exhibition museum and store of Shaligram
3		Glorification of the religious, historical, cultural and archaeological heritage; Systematizing Maghe Sakranti Mela; Kumbha Mela; Yoga and Meditation Centre
4		Development of good quality hotels and restaurants
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>Ridi (Ruru Kshetra) is one of the four <i>Dhams</i> of Hindu and is famous among Nepali and Indian people. Maghe Sakranti mela of Ridi has been observed as one of the largest melas attracting people from more than 10 districts. While Ridi was an important junction point since long, construction of two highways, namely, Kaligandaki corridor and Madan Bhandari highway, has converted Ridi as a highly accessible valley on the lap of the holy Kaligandaki river surrounded by beautiful hills. Ridi could soon be a tourist magnet.</li> </ul>

2	Project Supply	<ul style="list-style-type: none"> <li>While temples, Dharmashalas, schools and hotels have been developed since long, the area is desperately waiting for some good quality hotels and restaurants and essential tourist services.</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>The project can be developed both as a religious and sightseeing hub for domestic tourists and as a pilgrim site for Indian visitors who can reach there within 3 hours once they arrive Bhairahawa by road or by air.</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	Public for land and physical infrastructure; private for hotels, restaurants, water-based recreation facilities and another tourist services
2	Role of the Government of Nepal	Overall project design and area development
3	Role of Private Sector	Tourist service infrastructure development
<b>FINANCIALS</b>		
1	Total Project Cost (Including Interest During Construction & Land acquisition)	~12.5 Million (USD)
2	Equity IRR	TBD
3	NPV Equity	TBD Million (USD)
4	Debt Equity Ratio	TBD
<b>CONTACT DETAILS</b>		
	Name of Office	Office of the Chief Minister and Council of Ministers
	Address	Butwal
	Phone	071-550618
	Email	info@ocmcm.p5.gov.np



# KARNALI PROVINCE



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>GEMSTONE PROCESSING COMPANY- KARNALI</b>
2	Sector	Mines and Minerals
3	Type	Industry
4	Description	Extraction of various minerals from different parts of Province.
<b>PROJECT LOCATION</b>		
	Province	Karnali
	Project Location	Surkhet (SPECIAL ECONOMIC ZONE)
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Available Minerals	<ul style="list-style-type: none"> <li>• Kynite</li> <li>• Copper</li> <li>• Glass</li> <li>• Gold</li> <li>• Aquamarine</li> <li>• Quartz</li> <li>• Lead/Zinc</li> <li>• Uranium</li> <li>• Iron</li> <li>• Gas/Petroleum Oil</li> <li>• Granite</li> <li>• Tourmaline, Others.</li> </ul>
<b>MARKET ASSESSMENT</b>		

1	Project Demand	• Minerals are sought in industry, medicine, manufacturing
2	Project Supply	• It is expected to meet demands for internal market and export as well
3	Project Opportunity	• Availability of unexplored area location for extraction of GEMSTONES

#### DEVELOPMENT MODALITY

1	Development Modality	▪ Public Private Partnership
2	Role of the Government of Nepal	▪ Facilitation for land and forest acquisition, permission for extraction of minerals and other regularity facilitation from the public sector
3	Role of Private Sector	▪ Investment from Private Sector

#### FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	NPR 1 Billion
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

#### CONTACT DETAILS

Name of Office	Karnali State Planning Commission
Address	Karnali, Birendranagar, Surkhet
Phone	+977-083-521676, +977- 083-524732
Fax	-
Email	ppckarnali@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>HIMALAYAN HERB MEDICINAL COMPANY- KARNALI</b>
2	Sector	Agriculture and Forestry
3	Type	Industry
4	Description	Primary Processing Factory and Collection Center in Humla, Mugu, Jumla, Dolpa, Jajarkot, Kalikot and Final Processing Center in Surkhet. Many herbs can be used as a raw material for preparing medicines.
<b>PROJECT LOCATION</b>		
	Province	Karnali
	Project Location	Humla, Mugu, Jumla, Dolpa, Jajarkot, Kalikot and Surkhet

<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Major Herbs Available	<ul style="list-style-type: none"> <li>• Yarsagumba (<i>Ophiocordyceps sinensis</i>)</li> <li>• Katuki (<i>Picrorhiza kurroa</i>)</li> <li>• Attis (<i>Aconitum heterophyllum</i>)</li> <li>• Jatamasi (<i>Nardostachys grandiflora</i>)</li> <li>• Paanchaule (<i>Dactylorhiza hatagirea</i>)</li> <li>• Satuwa (<i>Paris polyphylla</i>)</li> <li>• Sugandhawal root (<i>Valeriana jatamansii</i>)</li> <li>• Padamchal root -<i>Rheum austral</i></li> <li>• Kutki root- <i>Picrorhiza scrophulariiflora</i></li> <li>• Caterpillar Mushroom (<i>Ophiocordyceps sinensis</i>)</li> <li>• Chiretta (<i>Swertia</i>)</li> <li>• Gooseberry (<i>Phyllanthus emblica</i>)</li> <li>• Sapindus mukorossi</li> <li>• Winter Begonia (<i>Bergenia ligulata</i>)</li> <li>• Chiraito (<i>Swertia chirayita</i>)</li> </ul>

- Padamchaal (*Rheum australe*)
- Ban Lasun (*Fritillaria cirrhosa*)
- Bhutkesh (*Selinum wallichianum*)
- Bikhma (*Aconitum heterophyllum*)
- Indian valerian (*Valeriana Jatamansii* Jones)
- Chebolic Myrobalan (*Terminalia chebula*)
- Belliric myrobalan (*Terminalia Belerica*)
- Szetchwan pepper (*Zanthoxylum piperitum*)
- Nilghiri nettle (*Girardinia diversifolia*)
- Indian Cassia Ligneal (*Cinnamomum tamala*)
- Guchhi Chayau (*Morchella* mushroom) and other medicinal mushrooms and many more.

#### MARKET ASSESSMENT

- |   |                     |   |
|---|---------------------|---|
| 1 | Project Demand      | • -   |
| 2 | Project Supply      | • -   |
| 3 | Project Opportunity | • Availability of unexplored area location for extraction of medicinal herbs. |

#### DEVELOPMENT MODALITY

- |   |                                 |   |
|---|---------------------------------|---|
| 1 | Development Modality            | • Public Private Partnership  |
| 2 | Role of the Government of Nepal | • Facilitation for land and forest acquisition and other regulatory facilitation from the public sector |
| 3 | Role of Private Sector          | • Investment from Private Sector  |

#### FINANCIALS

- |   |   |               |
|---|---|---------------|
| 1 | Total Project Cost<br>(Including Interest During Construction & Land Acquisition) | NPR 1 Billion |
| 2 | Equity IRR  | -             |

3	NPV Equity	-
4	Debt Equity Ratio	-

#### CONTACT DETAILS

Name of Office	Karnali State Planning Commission/Social Development Ministry
Address	Karnali, Birendranagar, Surkhet
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Fax	-
Email	ppckarnali@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>JAGDULLA STORAGE HYDROELECTRIC PROJECT</b>
2	Sector	Energy
3	Type	Storage Hydropower plant
4	Description	106 MW, Storage Power Plant, PROR Energy 635.52 GWh Flow 16.7 m <sup>3</sup> /sec Wet Energy 197.38 GWh Dry Energy 438.14 GWh
<b>PROJECT LOCATION</b>		
	Province	Karnali
	Project Location	Dolpa
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	<ul style="list-style-type: none"> <li>Hydroelectric Power Plant PROR</li> <li>Pelton, vertical shaft</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>Supply Demand Gap remain around 400MW and demand is growing by more than 100MW per year</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>Total Energy 635GWh</li> <li>Wet Energy 197GWh</li> <li>Dry Energy 438 GWh</li> </ul>
3	Project Opportunity	
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>Private, PPP, BOOT</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Facilitate</li> </ul>

- Land acquisition and forest rights

### 3 Role of Private Sector

- Investment
- Construction works

## FINANCIALS

1	Total Project Cost	USD 228 Million
2	Economic RR	12,93%
3	NPV	USD 84.56 Million
4	Benefit Cost Ratio	1.26

## CONTACT DETAILS

Name of Office Karnali State Planning Commission

Address Karnali, Birendranagar, Surkhet

Phone +977-083-521676, +977- 083-524732

Fax -

Email ppckarnali@gmail.com



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>KARNALI JADIBUTI PRASHODHAN COMPANY</b>
2	Sector	Agriculture and Forestry
3	Type	Industry
4	Description	Primary Processing Factory and Collection Center in Humla, Mugu, Jumla, Dolpa, Kalikot, Jajarkot and Final Processing Center in Surkhet. Many herbs can be used as a raw material for preparing medicines.
<b>PROJECT LOCATION</b>		
	Province	Karnali
	Project Location	Humla, Mugu, Jumla, Dolpa, Jajarkot, Kalikot and Surkhet

<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Major Herbs Available	<ul style="list-style-type: none"> <li>• Yarsagumba (<i>Ophiocordyceps sinensis</i>)</li> <li>• Katuki (<i>Picrorhiza kurroa</i>)</li> <li>• Attis (<i>Aconitum heterophyllum</i>)</li> <li>• Jatamasi (<i>Nardostachys grandiflora</i>)</li> <li>• Paanchaule (<i>Dactylorhiza hatagirea</i>)</li> <li>• Satuwa (<i>Paris polyphylla</i>)</li> <li>• Sugandhawal root (<i>Valeriana jatamansii</i>)</li> <li>• Padamchal root -<i>Rheum austral</i></li> <li>• Kutki root- <i>Picrorhiza scrophulariiflora</i></li> <li>• Caterpillar Mushroom (<i>Ophiocordyceps sinensis</i>)</li> <li>• Chiretta (<i>Swertia</i>)</li> <li>• Gooseberry (<i>Phyllanthus emblica</i>)</li> <li>• Sapindus mukorossi</li> <li>• Winter Begonia (<i>Bergenia ligulata</i>)</li> <li>• Chiraito (<i>Swertia chirayita</i>)</li> <li>• Padamchaal (<i>Rheum australe</i>)</li> <li>• Ban Lasun (<i>Fritillaria cirrhosa</i>)</li> </ul>

- Bhutkesh (*Selinum wallichianum*)
- Bikhma (*Aconitum heterophyllum*)
- Indian valerian (*Valeriana Jatamansii* Jones)
- Chebulic Myrobalan (*Terminalia chebula*)
- Belliric myrobalan (*Terminalia Belerica*)
- Szetchwan pepper (*Zanthoxylum piperitum*)
- Nilghiri nettle (*Girardinia diversifolia*)
- Indian Cassia Lignea (*Cinnamomum tamala*)
- Guchhi Chayau (*Morchella* mushroom) and other medicinal mushrooms and many more.

#### MARKET ASSESSMENT

- |   |                     |   |
|---|---------------------|---|
| 1 | Project Demand      | • -   |
| 2 | Project Supply      | • -   |
| 3 | Project Opportunity | • Availability of unexplored area location for extraction of medicinal herbs. |

#### DEVELOPMENT MODALITY

- |   |                                 |   |
|---|---------------------------------|---|
| 1 | Development Modality            | • Public Private Partnership  |
| 2 | Role of the Government of Nepal | • Facilitation for land and forest acquisition and other regularity facilitation from the public sector |
| 3 | Role of Private Sector          | • Investment from Private Sector  |

#### FINANCIALS

- |   |   |                    |
|---|---|--------------------|
| 1 | Total Project Cost<br>(Including Interest During Construction & Land Acquisition) | Over NPR 1 Billion |
| 2 | Equity IRR  | -                  |
| 3 | NPV Equity  | -                  |
| 4 | Debt Equity Ratio   | -                  |

**CONTACT DETAILS**

Name of Office	Karnali State Planning Commission
Address	Karnali, Birendranagar, Surkhet
Phone	+977-083-521676, +977- 083-524732
Fax	-
Email	ppckarnali@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>MOUNTAIN UNIVERSITY OF SCIENCE AND TECHNOLOGY</b>
2	Sector	Education
3	Type	University
4	Description	Surkhet
<b>PROJECT LOCATION</b>		
	Province	Karnali
	Project Location	Surkhet
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Components	<ul style="list-style-type: none"> <li>• 4 Faculty with more than 20 programs</li> <li>• Agriculture and life science,</li> <li>• Mountaineering and Environment studies</li> <li>• Engineering and mountaineering technology</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• Currently, 17 lakh population is served by only 1 university. Higher education rate is low compared with other Provinces
2	Project Supply	• More than 1,000 students in University campus and around 6,000 in affiliated College in five years' time
3	Project Opportunity	• This can be developed into Centre for mountaineering studies and environmental studies on mountain region
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	• Facilitation for land and forest acquisition and other regularity facilitation from the public sector
3	Role of Private Sector	• Investment from Private Sector

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	NPR 4 Billion - -
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

## CONTACT DETAILS

Name of Office	Karnali State Planning Commission
Address	Karnali, Birendranagar, Surkhet
Phone	+977-083-521676, +977- 083-524732
Fax	-
Email	ppckarnali@gmail.com

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>SURKHET HILSA FAST TRACK ROAD</b>
2	Sector	Transportation
3	Type	Highway
4	Description	<p>Bi-Directional Two-Lane road with four section expansion and construction.</p> <p>Total Length: 403KMS</p> <p>Section 1: 127 KMS</p> <p>Section 2: 73 KMS</p> <p>Section 3: 89.4 KMS</p> <p>Section 4: 112 KMS</p> <p>The Lipulekh Pass at the border of China, Nepal and India connects the Pulan Country of China and the Kumaon division of India. It belongs to a branch of ancient Silk route used for trade. It is enroute to Lake Mansarowar and Mount Kailash. It connects four religious holy place of Hinduism, Bon, Buddhism and Jainism.</p>
<b>PROJECT LOCATION</b>		
	Province	Karnali
	Project Location	Surkhet to Hilsa
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	<ul style="list-style-type: none"> <li>Standard Highway Technology</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>Karnali regions need road and transport infrastrucuture which will facilitate in trade, industry and tourism.</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>403 KM of road. This will be lifeline and economic backbone of Karnali Provice.</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>Development of Industry and Toursim</li> <li>Economic growth of Karnali Region</li> </ul>

## DEVELOPMENT MODALITY

- |   |                                 |  |
|---|---------------------------------|--|
| 1 | Development Modality            | <ul style="list-style-type: none"><li>• GON, Province Government and International partnership</li></ul>                         |
| 2 | Role of the Government of Nepal | <ul style="list-style-type: none"><li>• Facilitate</li><li>• Land acquisition and forest rights</li><li>• Cost Sharing</li></ul> |
| 3 | Role of Private Sector          | <ul style="list-style-type: none"><li>• Construction works</li><li>• Supply of utilities</li></ul>                               |

## FINANCIALS

- |   |   |                  |
|---|---|------------------|
| 1 | Total Project Cost<br>(Including Interest During Construction & Land Acquisition) | NPR 64 Billion   |
| 2 | Economic RR   | 11.87%           |
| 3 | NPV   | NPR 20.4 Billion |
| 4 | Benefit Cost Ratio  | 2.03             |

## CONTACT DETAILS

- |                |                                   |
|----------------|-----------------------------------|
| Name of Office | Karnali State Planning Commission |
| Address        | Karnali, Birendranagar, Surkhet   |
| Phone          | +977-083-521676, +977- 083-524732 |
| Fax            | -                                 |
| Email          | ppckarnali@gmail.com              |

## OTHER PROJECTS

### 1. Physical Infrastructure

#### a. Road Transportation

- i. Kohalpur-Surkhet Road
- ii. Surkhet- Jajarkot- Dolpa- Dho- Marimla (Bheri Corridor)
- iii. Dailekh- Kalikot- Jumla- Mugu- Nagchya Lagna Road
- iv. Surkhet- Karnali Chisapani Road

#### b. Air Transportation

- i. Surkhet Airport Expansion
- ii. Himalayan International Airport Study

#### c. Water Transportation

- i. Karnali River Corridor (Hilsa- Surkhet)
- ii. Bheri River Corridor (Dolpa- Surkhet)

#### d. Cable Car

- i. Rara- Mumra Top Cable Car- Mugu
- ii. Surkhet- Gothikanda- Siddhapaila Cable Car

### 2. Energy

#### a. Production

- i. Bheri-Babai Diversion 48 MW, Surkhet
- ii. Phukot Karnali 400 MW, Kalikot
- iii. Nalsing Gadh 410 MW, Jajarkot
- iv. Betan Karnali 688 MW, Surkhet
- v. Upper Karnali 900 MW Dailekh, Surkhet and Other 40 Projects

#### b. Transmission Line

- i. Butwal-Surkhet Electricity Transmission Line 432 KV
- ii. Kailali- Phukot, Kalikot Electricity Transmission Line 400 KV
- iii. Kohalpur- Nalsing Gadh Jajarkot Electricity Transmission Line 400 KV

### 3. Water, Irrigation and Sanitation

- a. Karnali Basin Lift Irrigation and Water Supply Project
- b. Bheri Basin Lift Irrigation and Water Supply Project
- c. Palata Area Lift Irrigation and Water Supply Project- Kalikot
- d. Babai- Sharada Basin Lift Irrigation and Water Supply Project
- e. Surkhet Valley Irrigation, Water Supply Multipurpose Project
- f. Dullu and Parajul Lift Drinking Water- Dailekh
- g. Karnali Drinking Water and Sanitation Project



#### **4. Integrated Safety Settlement Development Program**

- a. Surkhet Smart City with Ring road
- b. Jumla Smart City- Jumla
- c. Nyari Integrated Safety Settlement Development Program- Sarkegard, Humla

#### **5. Information & Communications Technology**

- a. Digital Karnali Project
- b. Establishment of Provincial Data Center- Surkhet

#### **6. Social Development Sector**

##### **a. Education**

- i. Himalayan Residential Model School (Humla, Mugu, Jumla, Kalikot & Dolpa)
- ii. Karnali- Education for All Project (Program for 100% Literacy)

##### **b. Health**

- i. Provincial Hospital- Surkhet

##### **c. Sports**

- i. International Standard Stadium Construction Project- Surkhet

##### **d. Social Protection**

- i. Karnali Old Age Home Project (24)

#### **7. Agricultural Production and Other Industry**

- a. Fruit Based Juice Industry
- b. Local Fruit and Crop Based Brewery Industry (Wine, Cider, Brandy etc.)
- c. Local Pumpkin and Tomato Based Ketchup Industry
- d. High-Hill Potato Chips Industry
- e. Local Cereal Based Bakery Industry
- f. Corn and Millet Based Flacks Production
- g. Dairy and Dairy Products Industry
- h. Meat and Meat Product Industry
- i. Vegetable Seed Processing
- j. Honey Processing
- k. Cereal Processing Mills (especially for Marshi Rice)
- l. Karnali Bean Processing Industry
- m. Big Cold Storage- Surkhet
- n. Solar Agriculture Project
- o. Organic Fertilizer and Bio-Pesticide Production Industry

- p. Wool Processing and Allied Garment Industry
- q. Cotton Production, Processing and Manufacturing Garment Industry- Mugu
- r. Floriculture Industry
- s. Animal Feed Industry
- t. Poultry Hatchery
- u. Fish Hatchery

## 8. Tourism

- a. Surkhet 5 Star Hotel
- b. Rara- Mugu Luxurious Hotel
- c. Shey-Phoksundo Luxurious Hotel- Dolpa
- d. Simkot Luxurious Hotel- Humla
- e. Hilsa Luxurious Hotel- Humla

## CONTACT DETAILS:

**Name of Office** Karnali State Planning Commission

**Address** Karnali, Birendranagar, Surkhet

**Phone** +977-083-521676, +977- 083-524732

**Fax** -

**Email** ppckarnali@gmail.com

# SUDUR- PASHCHIM PROVINCE



S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>BADIMALIKA CABLE CAR</b>
2	Sector	Transport/Tourism
3	Type	Installation of Cable Car as Transport Mechanism
4	Description	<ul style="list-style-type: none"> <li>• 7-9 km cable car</li> <li>• 4200 m highest point at Badimalika</li> <li>• Major religious tourist destination</li> </ul>
5	Time of Implementation	3-5 years
<b>PROJECT LOCATION</b>		
	Province	Karnali Province
	Project Location	Bajura
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	<ul style="list-style-type: none"> <li>• -</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>• -</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>• -</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>• Can be transformed into major touristic destination especially for Indian tourists</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>• Public Private Partnership</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>• Facilitation for land and forest acquisition and other regularity facilitation from the public sector</li> <li>•</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>• Investment from Private Sector</li> </ul>
<b>FINANCIALS</b>		
1	Total Project Cost	USD 45-50 Million

2	(Including Interest During Construction & Land	-
3	Acquisition)	-
4	Equity IRR	-

NPV Equity

Debt Equity Ratio

#### CONTACT DETAILS

Name of Office	Ministry of Economic Affairs and Planning
Address	Dhangadhi, Kailali
Phone	+977-91-526576, +977-91-525490
Fax	-
Email	-

S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>CEMENT FACTORY</b>
2	Sector	Mines and Minerals
3	Type	Industry (Production & Manufacturing)
4	Description	<ul style="list-style-type: none"> <li>Production of cement by incorporating the latest technology in cement manufacturing process and plant automation; Minimal environmental pollution</li> </ul>
5	Time of Implementation	2 years
<b>PROJECT LOCATION</b>		
	Province	Karnali Province
	Project Location	Mainly in Sahajpur (Kailali), Doti and Baitadi Districts
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	<ul style="list-style-type: none"> <li>-</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>-</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>-</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>-</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>Private</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>-</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Private Investment</li> </ul>
<b>FINANCIALS</b>		
1	Total Project Cost (Including Interest During Construction & Land Acquisition)	USD 100-550 Million
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

**CONTACT DETAILS**

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S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>HERBAL PRODUCTION, COLLECTION AND PROCESSING INDUSTRY</b>
2	Sector	Agriculture and Forestry
3	Type	Industry
4	Description	Processing Factory, Collection Center, Logistics Support and Agriculture Input Support
<b>PROJECT LOCATION</b>		
	Province	Karnali Province
	Project Location	Dadeldhura, Doti, Baitadi, Bajura, Darchula, Accham, Bajhang
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Major Herbs Available	<ul style="list-style-type: none"> <li>• Caterpillar Mushroom (<i>Ophiocordyceps sinensis</i>)</li> <li>• Chiretta (<i>Swertia</i>)</li> <li>• Gooseberry (<i>Phyllanthus emblica</i>)</li> <li>• Sapindus mukorossi</li> <li>• Winter Begonia (<i>Bergenia ligulata</i>)</li> <li>• Indian valerian (<i>Valeriana Jatamansii Jones</i>)</li> <li>• Chebulic Myrobalan (<i>Terminalia chebula</i>)</li> <li>• Belliric myrobalan (<i>Terminalia Belerica</i>)</li> <li>• Szetchwan pepper (<i>Zanthoxylum piperitum</i>)</li> <li>• Moringa (<i>Moringa Oleifera</i>)</li> <li>• Nilghiri nettle (<i>Girardinia diversifolia</i>)</li> <li>• Indian Cassia Ligneal (<i>Cinnamomum tamala</i>), etc.</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• -
2	Project Supply	• -
3	Project Opportunity	• -
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership



2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Facilitation for land and forest acquisition and other regularity facilitation from the public sector</li> <li></li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Investment from Private Sector</li> </ul>

## FINANCIALS

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	USD 8-10 Million
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

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S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>RAMAROSAN INTEGRATED TOURISM PROJECT</b>
2	Sector	Transport/Tourism
3	Type	-
4	Description	<ul style="list-style-type: none"> <li>• 7-9 km cable car</li> <li>• 12 Lakes</li> <li>• 18 Grass Land</li> <li>• Major religious tourist destination</li> </ul>
5	Time of Implementation	3-5 years
<b>PROJECT LOCATION</b>		
	Province	Karnali Province
	Project Location	Achham
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	<ul style="list-style-type: none"> <li>• -</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>• -</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>• -</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>• Can be transformed into major touristic destination especially for Indian tourists</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>• Public Private Partnership</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>• Facilitation for land and forest acquisition and other regularity facilitation from the public sector</li> <li>•</li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>• Investment from Private Sector</li> </ul>
<b>FINANCIALS</b>		
1	Total Project Cost (Including Interest During Construction & Land Acquisition)	USD 45-50 Million
2	Equity IRR	-

3 NPV Equity

-

4 Debt Equity Ratio

**CONTACT DETAILS**

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S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>SHEEP FARMING &amp; WOOL INDUSTRY ESTABLISHMENT</b>
2	Sector	Agricultural
3	Type	Industry
4	Description	<ul style="list-style-type: none"> <li>High Hill Regions (1500-2500 MSL), highly potential for sheep farming and wool industry establishment.</li> <li>Cheap labors and vast pasture land available.</li> <li>Available local breeds for wool: Baruwai, Bhyanglung</li> <li>Possible exotic breeds: Merina, Polworth, Rambulet, Borderliesester, Romni mars and Kupworth.</li> </ul>
5	Time of Implementation	2-3 years
<b>PROJECT LOCATION</b>		
	Province	Karnali Province
	Project Location	Bajhang, Bajura, Darchula and Achham having temperate climate
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	• -
<b>MARKET ASSESSMENT</b>		
1	Project Demand	• The demand for raw wool is high in Nepalese market, specially carpet industries.
2	Project Supply	
3	Project Opportunity	• -
		• -
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	• Public Private Partnership
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Facilitation for land and forest acquisition and other regularity facilitation from the public sector</li> <li></li> </ul>
3	Role of Private Sector	• Investment from Private Sector
<b>FINANCIALS</b>		

1	Total Project Cost (Including Interest During Construction & Land Acquisition)	USD 9.09 Million
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

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S.N.	Features	Characteristics
<b>GENERAL</b>		
1	Name of Project	<b>SOLAR ENERGY PROJECT</b>
2	Sector	Energy
3	Type	Solar Energy Generation Type of 50 MW (Approx.)
4	Description	Energy generation: 50 MW approx., Solar irradiation: 4.94 KWh per m2 per day, Total sunny days: 300
<b>PROJECT LOCATION</b>		
	Province	Karnali Province
	Project Location	Dipayal Silgadi
<b>PROJECT COMPONENT/TECHNOLOGY</b>		
1	Technology	<ul style="list-style-type: none"> <li>Solar</li> </ul>
<b>MARKET ASSESSMENT</b>		
1	Project Demand	<ul style="list-style-type: none"> <li>-</li> </ul>
2	Project Supply	<ul style="list-style-type: none"> <li>-</li> </ul>
3	Project Opportunity	<ul style="list-style-type: none"> <li>-</li> </ul>
<b>DEVELOPMENT MODALITY</b>		
1	Development Modality	<ul style="list-style-type: none"> <li>Public Private Partnership</li> </ul>
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>Facilitation for land and forest acquisition and other regularity facilitation from the public sector</li> <li></li> </ul>
3	Role of Private Sector	<ul style="list-style-type: none"> <li>Investment from Private Sector</li> </ul>
<b>FINANCIALS</b>		
1	Total Project Cost (Including Interest During Construction & Land Acquisition)	USD 70 Million
2	Equity IRR	-
3	NPV Equity	-
4	Debt Equity Ratio	-

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## OTHER PROJECTS

1. Luxurious Hotels and Hospitality  
**Location:** Kailali and Kanchanpur Districts
2. Higher Education Technical University  
**Location:** Kailali and Kanchanpur Districts
3. Pharmaceutical Industries  
**Location:** Kailali and Kanchanpur Districts

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# SAGARMATHA CEMENT

*Juni Junilai...*

**ALONE, YOU CAN BUILD A HOUSE  
AND ONLY TOGETHER  
A NATION CAN BE BUILD.**

