

# INTEGRATED SOLID WASTE MANAGEMENT PROJECT (ISWMP)- BUTWAL PACKAGE

## SALIENT FEATURES

SN	FEATURES	CHARACTERISTICS		
<b>GENERAL</b>				
1	Name of Project	Integrated Solid Waste Management Project (ISWMP)- Butwal Package (Butwal Sub-Metropolitan City, Devdaha Municipality, Sainamaina Municipality, Siddharthanagar Municipality, Tilottama Municipality)		
2	Type	Waste Management		
3	Population and Daily Waste Generation		<b>Total Population</b>	<b>Daily waste generation (ton/day)</b>
		Butwal	140659	53
		Devdaha	63552	20.15
		Sainamaina	66282	21.01
		Siddharthanagar	75378	23.89
		Tilottama	118914	37.70
		<b>Total</b>	<b>464784</b>	<b>155.75</b>
	<b>Average Waste Composition (% by weight)</b>	Organic		54.34
		Reusable/ Recyclables		29.35
		Inert		9.65
		Others (Including Hazardous Waste)		6.66

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### PROJECT LOCATION

1	Province	Province 5 ( <a href="#">Location Map</a> )
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### LAND AVAILABILITY

1	Butwal Sub-metropolitan city	Bhanbhane basin in Shivapur community forest, ward number 9 of Butwal Sub-metropolitan city
2	Siddharthanagar Municipality	Acquired land in Pattheuli in total area of 3.06 acres for landfill site.
3	Tilottama Municipality	14.01 Acres of land available

### PROJECT COMPONENT/TECHNOLOGY

1	Collection of waste	<ul style="list-style-type: none"> <li>■ Household and commercial collection of waste on certain interval</li> </ul>
2	Anaerobic Digestion	<ul style="list-style-type: none"> <li>■ Mesophilic (35-38°C) / Thermophilic (above 50°C)</li> <li>■ The methane gas will be compressed, bottled and sold to local market</li> <li>■ Organic Fertilizer and Pesticide will be generated</li> </ul>

### MARKET ASSESSMENT

1	Project Demand Scenario	<ul style="list-style-type: none"> <li>■ There is a pressure on municipalities to Improve and modernize the collection methods and disposal technology.</li> <li>■ There is a need to reduce the pressure on waste disposal practices and prices</li> <li>■ 80% reduction in the current volume of waste going to landfill site which will extend the life of landfill site in the future.</li> <li>■ The creation of renewable energy and other environmental benefits</li> <li>■ Demand for organic fertilizer and pesticide are very high in local market</li> <li>■ recyclable product could be sold or processed</li> </ul>
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#### DEVELOPMENT MODALITY

1	Development modality	Public Private Partnership
2	Role of the Government of Nepal	<ul style="list-style-type: none"> <li>■ Provide government land, Land acquisition, facilitation and project security</li> <li>■ Facilitating various legal approvals/permits for the smooth operation of the project</li> <li>■ Setting up institutional framework for review &amp; monitoring</li> </ul>
3	Role of the Private Sector	<ul style="list-style-type: none"> <li>■ Plan, design, finance, engineer, construct, and develop the envisioned facilities and other components of the project</li> <li>■ Operate, maintain and manage the project facility throughout the Concession Period</li> <li>■ Development and execution of marketing and advertising strategies</li> <li>■ Collection of revenues from the project during the Concession Period</li> <li>■ Handover to the Government after the Concession Period</li> </ul>
4	Development Period	<ul style="list-style-type: none"> <li>a. Pre- Construction Period: 6 months</li> <li>b. Financial Closure: 6 months</li> <li>c. Construction Period: 3 years</li> <li>d. Concession Period: 20 years (Up to 30 years)</li> </ul>

#### INDICATIVE FINANCIALS

1	Total Project Cost (including Interest During Construction)	~ USD 8.50 million
2	Interest Rate (including hedging cost)	12.00%
3	Project IRR	15.21%
4	Equity IRR	17.13%

# APPLICATION PROCEDURE

## PRE-QUALIFYING CRITERIA FOR THIS PROJECT

1. At least five years' experience of developing and managing projects related to solid waste management in urban areas in Public Private Partnership (PPP) model. The total value of such projects should not be less than USD 2 million.
2. Net worth equivalent to at least USD 2 million at the time of making the application/proposal.

## APPLICATION PROCEDURE

1. The developer/ investor who meet the above pre-qualifying criteria can make the application for this project.
2. Application may be made by a single entity or a group of entities (Consortium or JV) comprising up to three different companies/ parties, including a Lead member, coming together to implement the project.
3. A consortium/JV may fulfil the pre-qualifying criteria in a joint/cumulative manner, except for the number of years of work experience.
4. A fee of NRs 10,000 shall be payable for each application made (with application to one project counting as a single application).
5. The fee must be paid to OIBN (to the OIBN office or a dedicated desk at the Nepal Investment Summit), or by electronic transfer to the following bank account of OIBN:

**Office Code: 301003502**

**Office Name: Office of the Investment Board**

**Revenue Heading: 14229**

**Bank Name: Everest Bank Ltd.**

**Swift Code: EVBLNPKA**

Please use 'Company name\_Project name' as the reference code for the payment made in the case of an online payment.

6. After payment of the fee is made, the OIBN shall assign an engagement manager and may provide additional documents or information relevant to the project (if available).
7. Applicants should submit the detailed proposal with all required documents by 20th April 2019. Applications shall be submitted in physical copies to the OIBN or emailed to [projects@ibn.gov.np](mailto:projects@ibn.gov.np).
8. The Government of Nepal (OIBN or relevant government agency at the relevant level of government) shall review the proposal and ask additional information if required.
9. The Government of Nepal shall decide on your application by 31st May 2019.

## DETAILED PROPOSAL CHECKLIST

1. Detailed profile of the developers/ investors, including profile of senior management team, annual report and audited financial statements for at least past three years (2015, 2016 & 2017), and consortium agreement or JV agreement or Memorandum of Understanding in the case of consortiums or JV.
2. Project concept, plan, and information on financial, economic, technical and environmental feasibility.
3. Method of project implementation, project development modality and work schedule
4. Business plan with basic financial statements
5. Financial arrangement and source of investment
6. Socio-economic contribution to Nepal
7. Expected support from GoN
8. Other relevant information, if any

**APPLY NOW**



## CONTACT DETAILS



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