

NAMLAN KHOLA HYDROELECTRIC PROJECT

SALIENT FEATURES

SN	FEATURES	CHARACTERISTICS
GENERAL		
1	Name of Project	Namlan Khola Hydroelectric Project
2	Type	Run of River
3	Install Capacity	260 MW
4	Progress	Feasibility Study on progress

PROJECT LOCATION

1	Latitude of Project Area	82° 37' 00"E to 82° 26' 10"E
2	Longitude of Project Area	29° 35' 27" N to 29° 33' 35"N
3	Project Area	Mugu Kamorang Rural Minicipality, Mugu District

TECHNICAL INFORMATION

1	Hydrology	
	Catchment Area	3238 km ²
	Design Discharge (Q 45 %)	57.0 m ³ /s
2	Weir and Intake	
	No. of Intake	
	Type of Weir	Gated weir with side intake
	Length	70 m
3	Desanding Basin	
	Type	4 bay Duffer
	Size	200 m

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4	Head Race Tunnel	
	Tunnel on Right Bank	12500 m, ø 6.5 m
5	Steel Penstock	
	No of Penstock Pipe	1
	Length of the single Penstock Pipe	800 m, ø 4.1 m
6	Power House	
	Type	Surface
	Number of Generating Units	4
	Turbine Type	Pelton
7	Power and Energy	
	Gross Head	570 m

CURRENT STATUS OF THE PROJECT

1	Feasibility Study	On going
2	Detailed Project Report	-
3	EIA	In process of Consultant Appointment
4	PPA and PPA Rate	-
5	Land Acquisition	-

DEVELOPMENT MODALITY

1	Development modality	Option open for Debt and Equity Investment												
2	Role of the Foreign Partner	Up to 70% equity investment												
3	Role of the Developer	FSR preparation, Detailed Project Report and Working Drawing preparation, EIA/ IEE completion, signing PPA, local funding arrangement, project management, award construction contract, monitoring and supervision of project, local issues liasioning and settlement, liasioning with Government entities as and when required, evacuate electricity to the national grid.												
4	Development Period	<table> <tr> <td>Feasibility Study</td> <td>2019</td> </tr> <tr> <td>PPA Application</td> <td>2020</td> </tr> <tr> <td>Finance Closure</td> <td>2020</td> </tr> <tr> <td>Infrastructure development</td> <td>2020</td> </tr> <tr> <td>Project Construction</td> <td>2021</td> </tr> <tr> <td>Completion</td> <td>2024</td> </tr> </table>	Feasibility Study	2019	PPA Application	2020	Finance Closure	2020	Infrastructure development	2020	Project Construction	2021	Completion	2024
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INDICATIVE FINANCIALS

1	Total Project Cost (including Interest During Construction)	\$ 350.0 Million
2	Interest Rate (including hedging cost)	12%
3	Project IRR	17 %
4	Equity IRR	21 %

CONTACT DETAILS

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