

BUS RAPID TRANSIT (BRT) ON RING ROAD OF KATHMANDU (27.3 KM)



SALIENT FEATURES

SN	FEATURES	CHARACTERISTICS
GENERAL		
1	Name of Project	Bus Rapid Transit (BRT) on Ring road of Kathmandu (27.3km)
2	Type	Urban Transport
3	Project Concept	Development, Operation, Management and Maintenance of the Project under Build-Operate-Transfer (BOT) model
PROJECT LOCATION		
1	Province	Province 3
2	Project Location	Ring road of Kathmandu Valley (Location Map)
PROJECT COMPONENT/TECHNOLOGY		
1	Electric vehicles	160 passenger capacity buses; required number of buses are 70-75; Modern Buses
2	Intelligent transport component	Use of state-of-art technology regarding Traffic Control System, Signal Prioritization at major intersections, Real Time Information display at Stations, Automated Fare collection and verification
3	Dedicated lane	2 dedicated lanes at the center, (7.5 m - 8 m)
4	Modern bus terminal and stations	26-30 Stations; Width of each Bus station 5 m; Terminal 693 Anna (2.2 Hectare)
5	Charging station	30 modern charging stations

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MARKET ASSESSMENT

1	Passenger Forecast	Criteria/Year	2019	2029	2039	2049
		Max daily traffic	240,215	308,374	408,081	429,538
		Min daily traffic	154,545	170,273	225,654	237,498
		(Estimated Population of Kathmandu Valley is 5 Million)				
2	Operating Hours	Up to 20 Hours per Day				
3	Non-fare revenue	It is estimated to be around (5-10) percent of the total fare collection (Advertisement, Lease, ATM, Rent, Kiosk, Coffee Shops etc.)				

DEVELOPMENT MODALITY

1	Development modality	Public Private Partnership (BOT)
2	Role of Government of Nepal	<ul style="list-style-type: none"> ■ Provision of Right-of-Way, land for terminals, facilitation and project security ■ Facilitating legal approvals/permits ■ Review & monitoring
3	Role of the Private Sector	<ul style="list-style-type: none"> ■ Plan, design, build, finance and operate the facilities during the Concession Period ■ Collection of revenues from the project during the Concession Period ■ Handover to the Government after the Concession Period
4	Development Period	<ul style="list-style-type: none"> a. Feasibility Study : 4 Months b. DPR & Financial Closure : 6-8 Months c. Construction : 2 years d. Concession Period : Up to 30 years

FINANCIALS

1	Total Project Cost (including Interest During Construction)	~ USD 149.50 million
2	Interest Rate (including hedging cost)	10.00%
3	Project IRR	10.62%
4	Equity IRR	11.01%