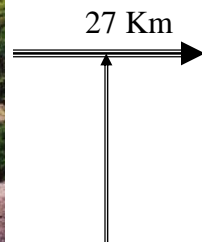


Conservation of Bagmati River and its Tributaries- An Effort to Develop Bagmati Civilization

Presented By
Anil Bhadra Khanal
Prem Nidhi K.C.

High Powered Committee for Implementation and Monitoring of the
Bagmati Area Sewerage Construction/Rehabilitation Project (BASP)

Introduction



Major Tributaries

**Bishnumati, Manohara, Tukucha,
Dhobikhola, Nakkhu**

Importance of Bagmati River

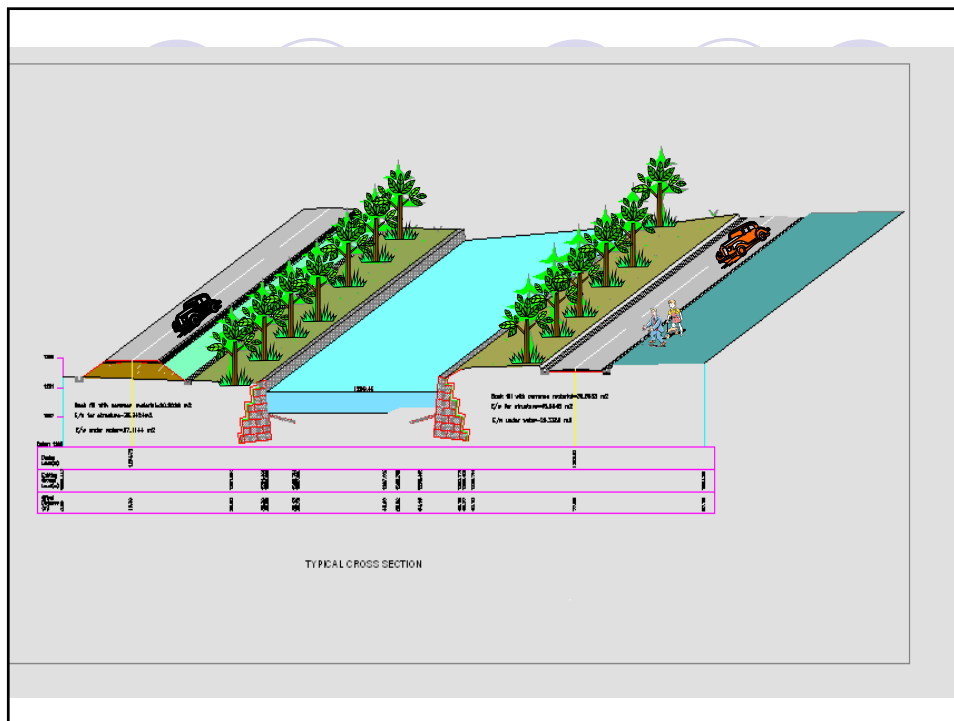
- Environmental and Aesthetic Importance
- Cultural and Religious Importance



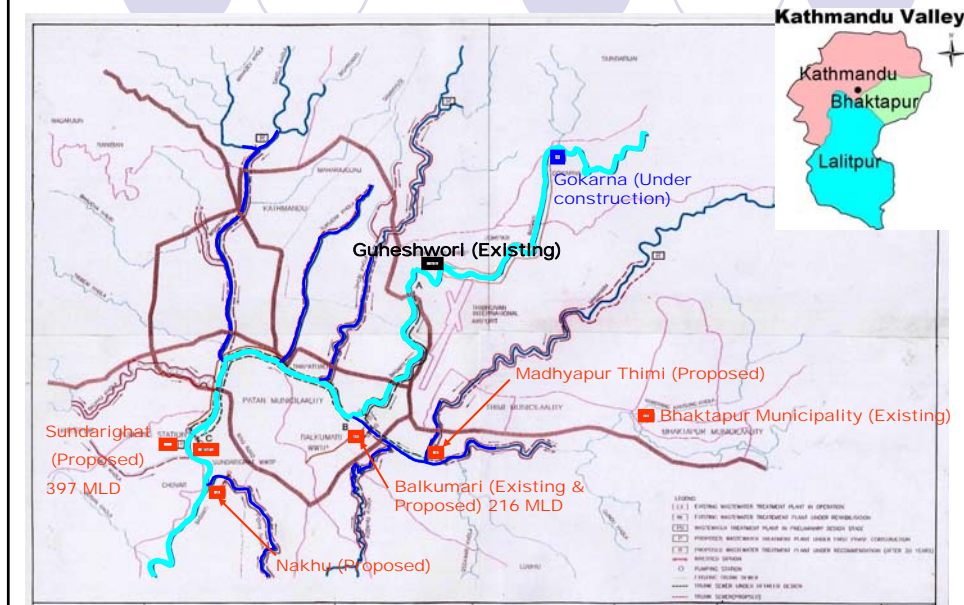
Present Status of Bagmati River



- *High Power Committee for Implementation and Monitoring of the Bagmati Area Sewerage Construction/Rehabilitation Project Established in 1995 AD.*
- *Main objective of BASP is to keep the Bagmati River and its tributaries clean and free from contamination and pollution by preventing direct discharge of solid wastes and liquid wastes to the river and to conserve the Bagmati civilization.*



Proposed Waste Water Treatment Plants



Major Activities

- Demarcation of Water Way
- Construction of
 - Trunk Sewer Lines
 - River Training Works
 - Check Dams
 - Green Belts
 - Road Track
 - Waste Water Treatment Plants
 - Public Utilities

Government of Nepal
**High Powered Committee for Implementation and Monitoring of the
 Bagmati Area Sewerage Construction/Rehabilitation Project**
 Guhyeshwori Phant, Kathmandu

Per KM. Cost

S.No.	Particulars	Per Km. Rate (N.Rs. In 000)
1	Sewerage construction	44,375
2	River Training work : (Both banks)	25,186
3	Check Dam Construction for existing bridge protection work	6,887
4	Check Dam Construction at river at every 500 m interval.	2,511
5	Service road work (Both Alignment) :	59,849
6	Green Belt Conctruction work (Both Alignment)	6,848
7	Public toilet at each Km. (Both Alignment)	206
Grand Total		145,862

Section	Length in Km	Section wise total cost in NRs.'000	Proposed Investment Plan
Tilganga Minbhavan Section	3+100	45,2172	Government
Minbhavan Shankhamul section	1+500	21,8793	
Shankhamul- Dhobi Khola section	0+600	58,056	Public Private Partners
Dhobi Khola - Thapathali section	0+900	87,084	
Thapathali - Tukucha section	0+400	58,344	
Tukucha - Kalopul section	0+900	87,084	
Kalopul - Balkhu Ring Road section	1+200	17,5034	
Balkhu Ring Road - Sundarighat section	1+400	20,4206	

Cost of Treatment Plants

S.No.	Location of Proposed Treatment Plant	Cost
1	Balkumari Waste Water Treatment Plant	392,000
2	Sundarighat Waste Water Treatment Plant	610,000
3	Nakhhu Waste Water Treatment Plant	360,000
4	Madhyapur Thimi Waste Water Treatment Plant	360,000
5	Sundarijal Facultative Pond	1,230
6	Nayapati Reed Bed	1,580
7	Community Septic Tank	670
Grand Total		1,725,480

Public-Private-Partnership Program (PPPP)

- Nepal Bankers Association
- Contractor's Association of Nepal
- FNCCI
- NRN
- NGO and INGOs



Possible Opportunities for Investment

- Riverside Development
- Waste Water Management
 - Construction own and manage Waste Water Treatment Plants



Thank You