

Government of Nepal
Ministry of Physical Infrastructure and Transport
Department of Roads
BRIDGE BRANCH

BILL OF QUANTITIES



BOQ

Feasibility Study, Detailed Engineering Survey, Soil Investigation, Hydrological Study and Detailed Design of the bridge(s):

S. N.	Name of Bridge	Name of Road	District
1	Dholaniya Khola Bridge	Lakshminiya VDC 9 & 8	Mahottari
2	Geruka River Bridge	Bagada Madhyapura – Khutta VDC	Mahottari
3	Akasi River Motorable Bridge	Gonarpura	Mahottari
4	Auksi River Bridge	Tikuliya – Banauta Road	Mahottari
5	Barule Khola Bridge	Belgachhi Gavis Ward No. 8 & 6	Mahottari
6	Soni Khola Bridge	Belgachhi Gavis Ward No. 6 – Gaushala Ward No. 3 Lagure Tal – Everest Sugar Mill Road	Mahottari
7	Khayarmara khola Bridge	Khayarmara VDC wada no. 9 ko hattigauda - Khayarmara VDC wada 2 ko pokhari jodne sthan ma	Mahottari
8	Manusmara River Bridge	Gadhahiya Khairawa	Sarlahi
9	Jhim River Bridge,	Malangawa mun Ko Khanepani Chok Dekhi Lalabandi mun Highway Road	Sarlahi
10	Budhibagamati Bridge	Hirapur–Piprabajar–Hajariya–Samanapur Road	Sarlahi

Contract No. BB-159-DSD-072/73-10

SN	Particulars	Unit	Quantity										Total quantity	Rate (excl. VAT)	Rate in words	Amount (excl. VAT)
			Dholaniya Khola Bridge	Geruka River Bridge	Akasi River Motorable Bridge	Auksi River Bridge	Barule Khola Bridge	Soni Khola Bridge	Khayarmara khola Bridge	Manusmara River Bridge	Jhim River Bridge,	Budhibagamati Bridge				
Desk study and field works																
1	Desk Study including collection of data, maps and other information; planning of the works	Job	1	1	1	1	1	1	1	1	1	1	10			
2	Field works including general reconnaissance, feasibility study, detailed engineering survey of the site, geological & geomorphologic study, field survey, topographic survey, site selection and environmental study, detailed hydrometric and hydrological study and preliminary soil investigation in test pits	Job	1	1	1	1	1	1	1	1	1	1	10			
Subtotal of desk study & field works																
Submission of Feasibility Study Report - 3 copies			If the any of the bridge(s) is found to be unfeasible then the work(s) of that bridge(s) will be terminated at this stage and payment shall be made according to SCC Clause no. 6.4 (a) & (b) NOTE.													
3	Soil investigation															
3.1	Drilling of boreholes and carryout specified Field and Laboratory tests as per the TOR															
	Number of boreholes		3	2	3	3	2	3	3	3	3	3	28	-----	-----	-----
a	Drilling 0 to 20 m in clayey,sandy soils,& gravel mixed soils (Type_1)	RM	60	0	60	60	0	60	60	60	60	60	480			
b	Drilling 0 to 16 m in gravel,pebbles,cobbles & boulders, soft and hard rock (Type_2)	RM	0	32	0	0	32	0	0	0	0	0	64			
Subtotal of drilling works, field tests and laboratory tests																

Bill of Quantities

SN	Particulars	Unit	Quantity										Total quantity	Rate (excl. VAT)	Rate in words 	Amount (excl. VAT)	
			Dholaniya Khola Bridge	Geruka River Bridge	Akasi River Motorable Bridge	Auksi River Bridge	Barule Khola Bridge	Soni Khola Bridge	Khayarmara khola Bridge	Manusmara River Bridge	Jhim River Bridge,	Budhibagamati Bridge					
4	Transportation																
4.1	Transportation of personnel	job	1	1	1	1	1	1	1	1	1	1	10	BOQ			
4.2	Transportation of equipment	job	1	1	1	1	1	1	1	1	1	1	10				
	Subtotal of transportation																
5	Detailed design and preparation of reports																
5.1	Detailed design works, preparation of cost estimates including bridge type selection, design of bridge, approach roads and river training works and preparation of drawing works as per TOR	job	1	1	1	1	1	1	1	1	1	1	10				
5.2	Submission and presentation of of the works as per TOR including 2 copies in electronic formats (CD-ROM) and (separate sets for each bridge)	job	1	1	1	1	1	1	1	1	1	1	10				
	Subtotal of detailed design and preparation of reports																
	Grand Total																



In words:

Signature:

Name and title:

Date:

Seal: