



Government of Nepal
Ministry of Infrastructure Development
Department of Roads
Federal Highway Supervision and Monitoring Office, Kathmandu
Kathmandu Ring Road Improvement Project
Babarmahal Kathmandu

Bill of Quantities

Name of Road : Kathmandu Ring Road, Kalanki chowk to Basundhara Chowk Section

Contract No- KRIP/33701134/083/84-001

Name of Work:- Road Safety Works with Steel Railing and Traffic signs

S.No.	Item Description	Unit	Quantity	Unit Rate (in NPR)	Unit Rate in Words	Amount (in NPR)	Remarks
1	Provisional Sum						
1.1	Traffic Management during Construction, Relocation and reconstruction of public property/ utilities/services and repairing for existing infrastructure (Electricity Pole, Telephone Poles, Water Supply Pipes, walls etc) as instructed by engineer.	PS	1.0	50000.00		50000.00	
2.1	General Item						
2.1	Insurance for loss of or damage to works, plant, material, equipment, property and personnel injury or death and third party as per contract	LS	1.0				
2.2	Providing and installation of project signboards with size of 1.8 x 1.2 m including 50 mm dia steel tube(medium class), 1.2 mm thick MS Sheet, cement concrete, painting, writing and supporting steel angle nuts and bolt etc all complete as per specification and instruction of engineer.[SS 110/1501]	Nos	2.0				

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3	Traffic Safety works						
3.1	Tubular Steel railing on Medium Weight Steel Channel(ISMC Serues) 100mm*50mm: Providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC Series) 100mm*50mm, 1.2 meters high above ground, 2m center to center, complete as per Drawing and Technical Specifications	RM	1949.31				
3.2	Providing and fixing of retro-reflectorized Warning sign (60cm Height) Regulatory sign (60 cm diameter) and Information sign (60cm*45cm) as per specification clause 1501 made of high intensity grade sheeting, fixed over aluminum sheeting, 2mm thick supported on a 50mm internal dia steel tube firmly fixed to the ground by means of properly desiged foundation with M10/40 grade cement concrete 30cmx30cm, 30cm below ground level or as per Drawing and Technical Specifications. [SP/SS 1501]	Nos	75.0				
3.3	Painting Two Coats on Concrete Surfaces, Providing and Painting two coats after filling the surface with synthetic enamel paint in all shades on concrete /plaster surfaces as per Drawing and Technical Specifications.[SS 1501]	sqm	6261.1				



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3.4	Providing and laying of M20 precast cement concrete Kerb 38cm * 20 cm * 25 cm (H*B*L) with 12 mm thick 1:3 Cement sand mortar bedding and joints including foundation excavation levelling but excluding foundation concrete for foundation or sand gravel material, all complete as per Drawing and Technical Specifications.[SS 1401]	rm	150.0				
3.5	Painting on Steel Surfaces, Providing and applying two coats of ready mix paint of approved brand on steel surface after through cleaning of surface to give an even shade as per Drawing and Technical Specifications. [SS 1501]	sqm	201.6				
3.6	Providing and Fixing Reinforced cement concrete M15 grade kilometer Post including painting and printing as per Standard Drawing-2070 and Technical Specifications. Five kilometer post (precast)[SS 1506]	Nos	2.0				
3.7	Providing and Fixing Reinforced cement concrete M15 grade kilometer Post including painting and printing as per Standard Drawing-2070 and Technical Specifications. One kilometer post (precast)[SS 1506]	Nos	8.0				