



Government of Nepal
Ministry of Infrastructure Development
Department of Roads
Federal Highway Monitoring & Supervision Office
ROAD DIVISION BAITADI
Office Code: 337017401

BILL OF QUANTITY

Name of Project: Upgrading of Road with Pavement, Structure & Drainage Works in Gokuleshwar-Darchula Section (CH: 54+000-126+000) of Mahakali Highway (NH-66)
Contract No: RDBTD/33701138/2083/84-07

S.N.	Description of Works	Unit	Quantity	Rate (NRs.)	Rate(NRs.) In Words	Amount (NRs.)
1	Provisional Sum					
1.1	Relocation of public service utilities, minor infrastructures, irrigation canals, existing electric poles, water supply, engineer's facility,etc. as directed by Engineer.	PS	1.00	150,000.00	One Lakh Fifty Thousand Only	150,000.00
1.2	Insurance for the (a) loss or damage to the Works, Plant, Materials, Equipment, Property and Personnel Injury or death as per SCC 19.1. [SS 100]	PS	1.00	150,000.00	One Lakh Fifty Thousand Only	150,000.00
2	General Works					
2.1	Provision of safety clothing and equipment, first Aid/Medical facilities and other safety including owners staff with traffic diversion management (Flagman, Traffic Signs, Diversion etc.) during construction period as per specification and instruction by the Engineer. [SS 102, 104]	LS	1.00			
2.2	Clearance of debris (accumulated by landslides) from roadway, causeways, culverts and side drains at various susceptible chainages including haulage and disposal within appropriate lead during contract duration as per Engineer's instruction all complete (By Wheeled Loader/Backhoe).	Hr	50.00			
3	Structure & Drainage Works					
3.1	Earthwork in excavation of foundation of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material as per Drawing and Technical Specifications. [SS 907]	Cum	1044.74			



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S.N.	Description of Works	Unit	Quantity	Rate (NRs.)	Rate(NRs.) In Words	Amount (NRs.)
3.2	Providing and laying of hand pack Stone soling with 150-200 mm thick stones and packing with smaller stone on prepared surface as per Drawing and Technical Specifications. [SS 3111]	Cum	137.81			
3.3	Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications, PCC Grade M15/40 including formworks. [SS 2000]	Cum	56.14			
3.4	Providing and laying Plum concrete works 60% M15/40 concrete and 40% rubble stones including formwork with necessary weep holes all complete as per drawing and technical specifications. [SS 3113]	Cum	496.39			
3.5	Providing and laying mechanical woven Gabion boxes /mattresses, placing in position including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires, tying down the lid and filling stone/boulder in gabion boxes/mattress etc.. Including dressing, bedding, bonding all complete as per Drawing and Technical Specifications. (Heavy zinc coated Hexagonal mesh type 100 mm x 120 mm, mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm). [SS 2402]	Cum	760.00			



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S.N.	Description of Works	Unit	Quantity	Rate (NRs.)	Rate(NRs.) In Words	Amount (NRs.)
3.6	Laying and fixing of Geo-Textile all complete as per specification., Providing and laying and fixing of Geo-membrane all complete as per specification. [SS 2404]	Sqm	455.00			
3.7	Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications., 600 mm internal dia. [SS701]	Rm	22.50			
3.8	Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per Drawing and Technical Specifications., 450 mm internal dia. [SS701]	Rm	15.00			
4	Flexible Pavement Works					
4.1	Scarifying the existing road surface upto a depth of 300 mm below the road surface level, watered, graded ,compacted in layers and disposal of scarified Material with in all lifts and lead as per Drawing and Technical Specification.[SS 1003]	Sqm	6266.50			
4.2	Providing and laying granular sub-base (Table 12.1 Grading V) on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications. [SS 1201]	Cum	630.00			



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S.N.	Description of Works	Unit	Quantity	Rate (NRs.)	Rate(NRs.) In Words	Amount (NRs.)
4.3	Providing and laying Crusher Run Macadam (Table 12.8, 37.5mm Nominal Size) on a prepared surface, spreading and mixing , watering and compacting to form a layer of Base course as per Drawing and Technical Specifications. [SS 1204]	Cum	939.97			
4.4	Providing and applying prime coat with Hot Bitumen MC 30/70 (including cutter) on prepared surface of granular base including cleaning of road surface and spraying at specified rate as per Technical Specification. [SS 1302]	Lit	5540.09			
4.5	Providing and applying tack coat with hot bitumen [VG-10] on the prepared surfaces including cleaning as per Technical Speciation. [SS 1302]	Lit	3231.70			
4.6	Providing and Laying [20 mm] thick Close Graded Premix Surface as Wearing Course as per direction of the Engineer, the Technical Specifications and Drawings. (Table-13.5 Type-A), [SS 1310]	Sqm	6579.82			
5	Rigid Pavement Works					
5.1	Earthwork in excavation of foundation of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material as per Drawing and Technical Specifications. [SS 907]	Cum	518.40			
5.2	Providing and laying of hand pack Stone soling with 150-200 mm thick stones and packing with smaller stone on prepared surface as per Drawing and Technical Specifications. [SS 3111]	Cum	172.80			



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5.3	Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications, PCC Grade M15/40 including formworks. [SS 2000]	Cum	115.20			
5.4	Providing and laying of Plain/Reinforced cement concrete in sub-structure complete as per drawing and Technical Specifications, RCC Grade M25/20 including formworks. [SS 2000]	Cum	230.40			
5.5	Providing and laying , fitting and placing un-coated Mild steel / HYSD reinforcement complete in foundation as per drawing and technical specification. [SS 2014]	MT	11.54			
Total Amount Including PS, NRs.:						
Amount of PS, NRs.:						
Total Amount Excluding PS, NRs.:						
VAT @ 13%, NRs.:						
Total Amount (Inc. PS & VAT), NRs.:						