

Government of Nepal  
Ministry of Infrastructure Development  
Department Of Roads  
Federal Highway Monitoring & Supervision Office  
Road Division Baitadi

**BILL OF QUANTITY**

**Project Name:-Upgrading of Road with Pavement, Structure and Drainage works in Anarkholi-Khodpe-Patan- Satbanjh-Jhulaghat Section (CH: 0+000 - 89+000) of Midhill Highway (NH-03)**

**Contract Identification Number:-RDBTD/33701138/2082/83-08**

| S.No       | Item Description                                                                                                                                                                                                                                                                          | Unit  | Quantity | Rate(NRs)  | Rate(NRs) In Words            | Amount(NRs) |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|------------|-------------------------------|-------------|
| <b>1.0</b> | <b>Provisional Sum</b>                                                                                                                                                                                                                                                                    |       |          |            |                               |             |
| 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     | 60,000.00  | Sixty Thousand only           | 60,000.00   |
| 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     | 120,000.00 | One Lakh Twenty Thousand Only | 120,000.00  |
| <b>2.0</b> | <b>General Work</b>                                                                                                                                                                                                                                                                       |       |          |            |                               |             |
| 2.1        | 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    | 60.00    |            |                               |             |
| <b>3.0</b> | <b>Pavement Works</b>                                                                                                                                                                                                                                                                     |       |          |            |                               |             |
| 3.1        | 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   | 3,168.15 |            |                               |             |
| 3.2        | Providing and laying granular sub-base (grading V) on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications., By Mechanical means [SS 1201]                                                                | Cu.m. | 475.21   |            |                               |             |
| 3.3        | 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]                                                    | Cu.m. | 475.21   |            |                               |             |
| 3.4        | 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]                                                            | Ltr   | 2,800.86 |            |                               |             |
| 3.5        | Providing and applying tack coat with hot bitumen on the prepared surfaces including cleaning and spraying at specified rate as per Technical Speciation. [1302]                                                                                                                          | Ltr   | 1,556.02 |            |                               |             |
| 3.6        | Providing and laying [20mm] thick close graded premix surface as wearing course as per direction of the Engineer , the Technical Specification and Drawing [Table 13.35 Type A, SS 1310]                                                                                                  | Sq.m  | 3,643.36 |            |                               |             |

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| 3.7        | Dismantalling of existing structure like culverts, bridges, retaining walls and other structure, sorting the dismantled material ,disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 meters, Lime /Cement Concrete ,by mechanical means,Cement Concrete Grade M-15 ,M-20 or Above [SS-202] | Cu.m. | 34.20    |           |                    |             |
| 3.8        | Earth work 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]                                                                                                  | Cu.m. | 190.20   |           |                    |             |
| 3.9        | 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]                                                                                                                                                            | Cu.m. | 106.20   |           |                    |             |
| 3.10       | Providing and laying , fitting and placing un-coated Mild steel / HYSD reinforcement complete in foundation as per drawing and technical specification [SS2014]                                                                                                                                                                                  | Mt    | 7.09     |           |                    |             |
| 3.11       | Providing and laying of Reinforced Cement Concrete of M25/20 including necessary formworks, compaction, curing and testing all complete as per Drawing and Technical Specifications.[SS 2000]                                                                                                                                                    | Cu.m. | 143.40   |           |                    |             |
| 3.12       | Providing and laying of Plain Cement Concrete of M25/20 including necessary formworks, compaction, curing and testing all complete as per Drawing and Technical Specifications.[SS 2000]                                                                                                                                                         | Cu.m. | 20.25    |           |                    |             |
| <b>4.0</b> | <b>Structure, Side Drain and Cross Drainage Works</b>                                                                                                                                                                                                                                                                                            |       |          |           |                    |             |
| 4.1        | Earth work 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]                                                                                                  | Cu.m. | 975.34   |           |                    |             |
| 4.2        | 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]                                                                                                                                                            | Cu.m. | 113.68   |           |                    |             |
| 4.3        | Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications, PCC Grade M 15 including formwork [SS2000]                                                                                                                                                                          | Cu.m. | 38.32    |           |                    |             |
| 4.4        | 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 specification [SS 3113]                                                                                                                                                | Cu.m. | 656.24   |           |                    |             |

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|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|-----------|--------------------|-------------|
| 4.5                                | 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] | Cu.m. | 703.00   |           |                    |             |
| 4.6                                | 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]                                                                                                                                                                                                                                                                                                                                                                             | Sq.m  | 453.00   |           |                    |             |
| 4.7                                | 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]                                                                                                                                                                                                                                                                                                                                         | R.m.  | 2.50     |           |                    |             |
| 4.8                                | 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., 900 mm internal dia.[SS701]                                                                                                                                                                                                                                                                                                                                         | R.m.  | 12.50    |           |                    |             |
| <b>Toal Including PS</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |           |                    |             |
| PS Amount                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |           |                    |             |
| <b>Toal Excluding PS</b>           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |           |                    |             |
| VAT @ 13%                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |           |                    |             |
| <b>Toal Including VAT &amp; PS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |           |                    |             |