# Bill of Quantities (BOQ)

## Upgrading of Bhansar Ring Road Chakrapath Motor Marga Bhanu 1

IFB No.: 801043801/BHMUN/NCB/ROAD/2083/84/01

**Provisional Sum**

| SL. No. | Item Description | Unit | Quantity | Unit Rate (NPR) | Amount (NPR) |
|---|---|---|---|---|---|
| 108000 | Provisional cost for the expenses such as, insurances (project period+ maintenance period+1 months), cost of day works, cost of preparation of as built drawings, cost of quality assurance tests, relocation of electric poles etc. as per written instruction of the engineer. (The payment of this item will be done according to submitted original copy of related invoices.) | P.S. | 1.00 | 1,08,000.00<br>One lakh eight thousand rupees only. | 1,08,000.00<br>One lakh eight thousand rupees only. |
| 5000 | Installation of Project Information Board of approved shape and size as per design, drawing and specification all complete | P.S. | 1.00 | 5,000.00<br>Five thousand rupees only. | 5,000.00<br>Five thousand rupees only. |
| 40000 | Carrying out additional laboratory tests of construction material like cement, rod, bricks, sand, aggregate, filling materials, concrete cubes etc. during construction work as per specification and direction. | P.S. | 1.00 | 40,000.00<br>Forty thousand rupees only. | 40,000.00<br>Forty thousand rupees only. |
| | **Total provisional sums** | | | | 1,53,000.00<br>One lakh fifty-three thousand rupees only. |

**Works for complete or part construction and civil engineering work**
**CPV: 45200000-9 - Works for complete or part construction and civil engineering work**

| SL. No. | Item Description | Unit | Quantity | Bidder's Rate (NPR) | Bidder's Rate (in words) | Total Amount (NPR) |
|---|---|---|---|---|---|---|
| 1.1 | Site clearance work including removing vegetation, grass, bushes, shrubs, saplings and disposal of unserviceable materials and stacking of serviceable Material to be used, up to a lead of 30 meters , before and after construction work as per instruction of engineer. | LS | 1.00 | | | |
| 1.2 | Roadway Excavation in all type of soil as per drawing and technical specification, including removal of stumps and other deleterious matter, with all lifts including backfilling with compaction and lead as per Drawing and instruction of the Engineer (by Mechanical Means). | cum | 329.875 | | | |

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|---|---|---|---|---|---|---|
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| 1.3 | 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. (In Ordinary Soil, by Mechanical Means) - Depth upto 3m | cum | 760.803 | | | |
| 1.4 | Providing and laying sub-grade and earthen shoulders with approved Material obtained from borrow pits with all lifts & leads as per Drawing and Technical Specifications. | cum | 850.50 | | | |
| 1.5 | Providing and laying granular sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications (by Mechanical Means). | cum | 850.50 | | | |
| 1.6 | Providing and laying Crusher Run Macadam on a prepared surface, spreading and mixing , watering and compacting to form a layer of Base course as per Drawing and Technical Specifications. | cum | 567.00 | | | |
| 1.7 | Providing and applying primer coat with Bitumen emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at specified rate using mechanical means as per Technical Specification. | litre | 5,670.00 | | | |
| 1.8 | Providing and applying tack coat with hot Bitumen at specified rate on the prepared non-bituminous surfaces including cleaning as per Technical Speciation (by Mechanical Means). | litre | 2,835.00 | | | |
| 1.9 | Providing and laying open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates as wearing course on a previously prepared base as per drawing and Technical Specifications. | cum | 113.40 | | | |
| 1.10 | Providing and laying seal coat sealing the voids in a bituminous surface as per Drawing and Technical Specifications. | sqm | 5,670.00 | | | |

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| 1.11 | Providing suitable material and Back filling behind abutment, wing wall and return wall complete as per Drawing and Technical Specifications. (Locally available Material) | cum | 104.625 | | | |
| 1.12 | Providing and Laying Reinforced Cement Concrete Flush jointed Pipe for culverts<br>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. (c) 600 mm internal dia. | rm | 7.50 | | | |
| 1.13 | Providing and laying of hand pack stone soling with 150 to 200 mm thick stones and packing with smaller stone on prepared surface as per Drawing and Technical Specifications. | cum | 40.51575 | | | |
| 1.14 | Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications. (A - PCC Grade M 15) | cum | 1.373875 | | | |
| 1.15 | Providing and laying of Plain/Reinforced Cement Concrete in Foundation complete as per Drawing and Technical Specifications. (A - RCC Grade M 20) | cum | 46.50 | | | |
| 1.16 | Providing and laying, fitting and placing HYSD bar reinforcement in foundation complete as per drawing and technical specifications. | mt | 4.066721 | | | |
| 1.17 | Providing , Preparing and Installing form work including necessary supports and removing after completion for foundation and footings. | sqm | 33.525 | | | |
| 1.18 | Providing and laying Plum concrete ( Boulder mixed concrete) as per Drawing and Specifications (60% M 15 concrete and 40% boulders/stones) using Mechanical Aids including Formwork | cum | 266.95 | | | |
| 1.19 | Providing and laying Random Rubble Stone Masonry work in cement mortar 1:6 in structure complete as per Drawing and Technical Specifications | cum | 59.51866 | | | |

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|---|---|---|---|---|---|---|
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| 1.20 | Supply and Transportation of Machine Made Mechanically selvedged double twisted hexagonal mesh type 100mm x 120 mm Gabion boxes / mattresses with diapharagms, with binding wire 2.4 mm, mesh wire 3.0 mm and selvedged wire 3.90 mm, placing in position including stretching, forming compartments; tying with bracing wires and tie wires; tying down the lid, providing and filling stone / boulder in gabion boxes / mattresses etc. including dressing, beding, bonding etc & Providing and laying of a geotextile filter between pitching and embankment slopes all complete as per special specification and drawings. | cum | 14.00 | | | |
| 1.21 | Providing and Pointing with cement mortar (1:3) on masonry work in structure as per Technical Specifications | sqm | 23.19616 | | | |

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| **Total Item Price** | |
| VAT (13.00%) | |
| **Grand Total** | |