## Bill of Quantities (BOQ)

### Construction of Shantinagar Gaunpalika Wada No. 2 Ratipokhari Ban Karyalaya Bata Bishnupur Hudai Shantinagar-5 Swasthya Karyalaya Samma Sadak Starunnati

IFB No.: SRM/01/WORKS/NCB/2083/084

**Provisional Sum**

| SL. No. | Item Description | Unit | Quantity | Unit Rate (NPR) | Amount (NPR) |
|---|---|---|---|---|---|
| PS.1 | Insurance of works, equipment, Contractor's workmen and employees and Third party Insurance against damage to other persons and property. | PS | 1.00 | 75,000.00<br>Seventy-five thousand rupees only. | 75,000.00<br>Seventy-five thousand rupees only. |
| PS.2 | Provide and maintain traffic safety, control measures and temporary diversions during construction as instructed by the Engineer. | PS | 1.00 | 50,000.00<br>Fifty thousand rupees only. | 50,000.00<br>Fifty thousand rupees only. |
| PS.3 | Carry out additional tests for material and works as required and instructed by the Engineer. | PS | 1.00 | 86,135.85<br>Eighty-six thousand one hundred thirty-five rupees and eighty-five paisa only. | 86,135.85<br>Eighty-six thousand one hundred thirty-five rupees and eighty-five paisa only. |
| PS.4 | Providing and Erecting of Notice Board | PS | 1.00 | 10,000.00<br>Ten thousand rupees only. | 10,000.00<br>Ten thousand rupees only. |
| | **Total provisional sums** | | | | 2,21,135.85<br>Two lakh twenty-one thousand one hundred thirty-five rupees and eighty-five paisa only. |

**Road construction works**
**CPV: 45233120-6 - Road construction works**

| SL. No. | Item Description | Unit | Quantity | Bidder's Rate (NPR) | Bidder's Rate (in words) | Total Amount (NPR) |
|---|---|---|---|---|---|---|
| 1.1 | Clearing and grubbing road land including uprooting rank vegetation, grass, bushes,shrubs, saplings and trees of girth upto 300mm, removal of stumps of trees cut earlier and disposal of unservuceable materials and stacking of serviceable material to be | Sqm | 6,539.00 | | | |

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|---|---|---|---|---|---|---|
| **SL. No.** | **Item Description** | **Unit** | **Quantity** | **Bidder's Rate (NPR)** | **Bidder's Rate (in words)** | **Total Amount (NPR)** |
| | used upto necessary lead including removal and safe disposal of top organic soil not exceeding 150mm in thickness all complete.(SS-201) | | | | | |
| 1.2 | Earth work Roadway and drain excavation including disposal of excavated material at approved environmentally safe tipping sites | cum | 2,157.03 | | | |
| 1.3 | Construction of embankments, shoulders and other miscellaneous filling and backfilling with approved materials obtained either from excavation of road construction or borrow pits or other sources including transportation of the material from the sources to the site. | cum | 919.20 | | | |
| 1.4 | Stone solling works Providing, laying and levelling of dry stone soling in foundation,roadway and on line drain as per specification and drawing at necessary places as directed by the Engineer all complete.(2403) | cum | 35.50 | | | |
| 1.5 | Pcc works 1:2:4 Providing and placing Machine mixed M15/40 grade cement concrete for the foundation and footing etc. including compaction, curing, testing and lead 30m. etc. all complete as per specification and drawing. | cum | 28.97 | | | |
| 1.6 | Rcc works 1:1.5:3 Providing and placing Machine mixed M20 grade cement concrete for the foundation and footing etc. including compaction, curing, testing and including form woeks etc. all complete as per specification and drawing. (2000) | cum | 15.76 | | | |
| 1.7 | Providing and Laying RCC 450mm dia NP3 Flush jointed pipe for culvert including fixing with cement mortar 1:2 as per drawing and technical specifications | Rm | 15.00 | | | |

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|---|---|---|---|---|---|---|
| **SL. No.** | **Item Description** | **Unit** | **Quantity** | **Bidder's Rate (NPR)** | **Bidder's Rate (in words)** | **Total Amount (NPR)** |
| 1.8 | Masonary works 1:6 Providing and laying Random Rubble Stone Masonry work in cement mortar 1:6 in structure including pointing works and providing necessary 100 mm dia HDPE pipes for weep holes etc all complete as per Drawing and Technical Specifications (2600) | cum | 260.02 | | | |
| 1.9 | Rebar works Providing and laying, fitting and placing Mild Steel/HYSD reinforcement including cutting, bending, binding, fixing in position all complete as per rawing and Technical Specifications (2000) | kg | 1,279.84 | | | |
| 1.10 | Loosening, levelling, and compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve dry density as per Drawing and Technical Specification ( compacting orginal ground supporting embankment) | cum | 906.30 | | | |
| 1.11 | Providing and laying granular subbase on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per Drawing and Technical Specifications by mechanical means as per instruction & specification directed by site incharge or engineer | cum | 766.24 | | | |
| 1.12 | Providing, laying, spreading and compacting Water bound macadam including brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density as per Drawing and Technical Specifications by mechanical means as per instruction & specification directed by site incharge or engineer | cum | 602.16 | | | |

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|---|---|---|---|---|---|---|
| **SL. No.** | **Item Description** | **Unit** | **Quantity** | **Bidder's Rate (NPR)** | **Bidder's Rate (in words)** | **Total Amount (NPR)** |
| 1.13 | Providing and Applying Prime coat with hot bitumen (including Cutter) of grade VG 30 on the prepared surface of granular base including cleaning of road surface and spraying at specified rate by mechanical means as per the Technical Specification. | Ltr | 5,401.20 | | | |
| 1.14 | Providing and Applying Tack coat with hot paving grade VG 30 bitumen by mechanical means at specified rate on the prepared surface including cleaning as per the Technical Specification. | Ltr | 2,905.93 | | | |
| 1.15 | 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 | 105.67 | | | |
| 1.16 | Providing and laying seal coat sealing the voids in a bituminous surface as per Drawing and Technical Specifications | Sqm | 5,283.50 | | | |
| 1.17 | Providing and laying of hot applied thermoplastic compound at least 2mm thick including reflectorizing glass beads asper DOR Traffic sign manual/ Specifications. The finished surface to be level, | Sqm | 235.40 | | | |

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