

# BIHAR STATE ROAD DEVELOPMENT CORPORATION LIMITED

Project Implementation Unit, Rajgir

**Name of Work : Section- I: FDR work in Km. 49+200 to 58+060 of NH-31**

- |   |                                      |   |
|---|--------------------------------------|---|
| 1 | Tender Notice No.                    | : BSRDCL/PIU/Rajgir/2015-16/12 Dated 09.01.2016 |
| 2 | Estimated Cost (including all taxes) | : Rs.35,46,360/-                                |
| 3 | Earnest Money                        | : Rs.70,927/-                                   |
| 4 | Cost of BOQ/Tender Document          | : Rs.5,000/-                                    |
| 5 | Tender Processing Fee                | : Rs.1,140/-                                    |
| 6 | Time of completion                   | : One Month                                     |

## BILL OF QUANTITIES

| Sl. No. | Description  | Unit | Quantity | Rate (in Rs.) |   | Total Amount (in Rs.) |
|---------|--|------|----------|---------------|---|-----------------------|
|         |  |      |          | In figures    | In words  |                       |
| 1       | <b><u>Granular Sub-base</u></b><br>Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401   | Cum  | 490.455  | 2014.95       | Two thousand fourteen and paise nine five only  | 9,88,242.30           |
| 2       | <b><u>Wet Mix Macadam</u></b><br>Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density, all as per clause 3004.2 | Cum  | 435.960  | 2026.52       | Two thousand twenty six and paise five two only | 8,83,481.66           |
| 7       | <b><u>Prime Coat</u></b><br>Providing and applying primer coat with Bitumen, Emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 Kg/Sqm. Using mechanical means, all as per clause 3004.2   | Sqm  | 2179.800 | 32.58         | Thirty two and paise five eight only            | 71,017.88             |
| 3       | <b><u>Tack Coat</u></b><br>Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom, all as per clause 503  | Sqm  | 2179.800 | 11.77         | Eleven and paise seven seven only               | 25,656.25             |

|  |  |          |         |          |   |                     |
|--|--|----------|---------|----------|---|---------------------|
| 4  | <b><u>Bituminous Macadam</u></b><br>Providing and laying bituminous macadam with 100-120 TPH hot mix plant producing an average output of 75 tones per hour using crushed aggregates of specified grading premixed with bituminous binder, transported to site, laid over a previously prepared surface with mechanical control paver finisher to the required grade, level and alignment and rolled as per clauses 501.6 and 501.7  | Cum      | 108.990 | 7654.98  | Seven thousand six hundred fifty four and paise nine eight only | 8,34,316.27         |
| 5  | <b><u>Bituminous Concrete</u></b><br>Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tones per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 5.4 to 5.6 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 509 | Cum      | 65.394  | 10459.66 | Ten thousand four hundred fifty nine and paise six six only     | 6,83,999.00         |
| 6  | <b><u>Road Marking with Hot Applied Thermoplastic Compound with Reflectorisng Glass Beads on Bituminous Surface</u></b><br>Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorisng glass beads @ 250 gms. per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes  | Sqm      | 72.640  | 821.13   | Eight hundred twenty one and paise one three only               | 59,646.88           |
| <b>Total Estimated Cost (in Rs.)</b>   |  |          |         |          |   | <b>35,46,360.00</b> |
| <b>(Rupees thirty five lakh forty six thousand three hundred sixty only)</b> |  |          |         |          |   |                     |
| 1  | Estimated Cost (including all taxes)   | -:-      |         |          |   | Rs.35,46,360/-      |
| 2  | Name of the Firm/Agency  | -:-      |         |          |   |                     |
| 3  | Address of the Firm/Agency   | -:-      |         |          |   |                     |
| 4  | I/we offer in Figures ..... in words.....% (percentage) High/Less/Estimated rate are mentioned in the Bill of Quantity   | in Fig.  |         |          |   |                     |
|  |  | in Words |         |          |   |                     |

DGM (Tech.), BSRDC, PIU, Rajgir