



BIHAR

कोषगार बजगु  
17 OCT 2022  
पदाधिकारी

Prem Kumar of Sri Nagar Hata Pk. H.

AN 378905

1000-1/1000

Md. Shamim Ahmad Ansari  
S. V. BAIS, PURNEA  
L.No.-230/95

### Agreement

Agreement No. 48 M.B.D MR (3054)/2022-23

Name and firm of contractor :- Prem Kumar  
D.M Kothi Road Srinagar Hata  
Purnea 854301

Name of Work :- Construction of Road From T01 to Choudhari Tola/ T01 to Sakhua Tola /  
Sarita PMGSY Road Kuriya Tola to Harizan Tola Under Package No. MR-N  
2022-23 Dhamdaha/18

Construction Cost :- 3,86,59,107.00

Maintenance Cost :- 151,09,563.00

Total = 5,37,68,670.00

Agreement Value :- 5,37,68,670.00 Rupees (Five Crore Thirty Seven Lakhs Sixty Eight  
Thousand Six Hundred Seventy Only) Quoted Rate - Shedule rate  
Approved By CE & R.W.D Patna Vide Letter No. 1649 Dated. 07/12/22

Date of Commencement :- 12.12.22  
Time of completion :- 11.09.23

This agreement made on 12.12.22 between Executive Engineer, R.W.D. work Division  
Dhamdaha of the one part Prem Kumar D.M Kothi Road Srinagar Hata Purnea 854301  
Hereinafter called the contractor of the other part.

12.12.22  
Executive Engineer  
Rural Works Department  
Work Division Dhamdaha (Purnea)

Prem Kumar

T01 to Sakhua Tola

Chandaha

4.192 km

District :

Purnea

| Description of Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unit | Qty.     | Rate (Rs.) | Amount (Rs.) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------------|--------------|
| <b>SCHEDULE A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |          |            |              |
| Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and direction of E/I                                                                                             | Ha   | 0.84     | 62032.43   | 52107.24     |
| Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.                                                                                                                                                                                                                                                                    | Cum  | 3050.81  | 266.13     | 811912.07    |
| Granular Sub-base with Well Graded Material(Grade 2) : Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.                                                                                                                                                                                             | Cum  | 140.69   | 2486.43    | 349815.84    |
| Water Bound Macadam with Stone Screening Gr-II : Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.                                                         | Cum  | 134.21   | 4863.58    | 652741.07    |
| Water Bound Macadam Gr III : Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.                                                                                       | Cum  | 237.40   | 4672.79    | 1109320.35   |
| Providing and applying primer coat with Bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70- 1.0 kg/sqm using mechanical means as per Technical Specification Clause 502.                                                                                                                                                                                                                                                                                                               | Sqm  | 2767.09  | 63.12      | 174658.72    |
| Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-A) or 13.2 mm to 0.9 mm (Type-B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 8-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 509.                                                                              | Sqm  | 2767.09  | 251.19     | 695065.34    |
| Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with Primer and cleaned with hydraulic broom as per technical specification clause 503.                                                                                                                                                                                                                                                                                                          | Sqm  | 14432.59 | 21.53      | 310733.66    |
| Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 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. 508 complete in all respects. | Cum  | 291.64   | 13817.77   | 4029814.44   |

Executive Engineer  
Road Works Department  
Roads Division Chandaha (Purnea)

|                                                                                                                                                                                                                                                                                                                                                                                                      |                      |            |            |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|------------|--------------|
| of                                                                                                                                                                                                                                                                                                                                                                                                   | T01 to Sakhua Tola   |            |            |              |
|                                                                                                                                                                                                                                                                                                                                                                                                      | Dhamdaha             |            |            |              |
|                                                                                                                                                                                                                                                                                                                                                                                                      | 192 km               | District : | Purnea     |              |
|                                                                                                                                                                                                                                                                                                                                                                                                      |                      |            |            |              |
|                                                                                                                                                                                                                                                                                                                                                                                                      | Description of Items |            |            |              |
|                                                                                                                                                                                                                                                                                                                                                                                                      | Unit                 | Qty.       | Rate (Rs.) | Amount (Rs.) |
| Supplying, fitting and placing HYSD bar reinforcement (Fe 415) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202                                                                                                                                                                                                                                  | MT                   | 3.50       | 98218.48   | 343764.68    |
| Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 (With Sandy Materials )                                                                                                                                                                                                                                                    | Cum                  | 49.81      | 2782.53    | 138597.82    |
| Providing and laying filter media with granular crushed aggregates as per specification to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and providing over the entire surface behind abutment, wing wall, return wall to the full height, compacted to firm condition complete as per drawing and technical specification Clause 1204.3.8 | Cum                  | 31.64      | 3529.23    | 111664.84    |
| Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5<br>RCC M-30 Grade                                                                                                                                                                                                                                       | Cum                  | 20.33      | 8959.65    | 182149.68    |
| Supplying, fitting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1202                                                                                                                                                                                                                                            | MT                   | 1.73       | 99484.95   | 172108.96    |
| Parapet Construction Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 ( M20 )                                                                                                                                                                                                                    | Cum                  | 5.93       | 7636.48    | 45284.33     |
| Painting on Parapet Wall (Black & White Strips) Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701                                                                                                                                            | Sqm                  | 332.40     | 115.90     | 38525.16     |
| Drainage spouts complete as per drawing and technical specifications Clause 1209                                                                                                                                                                                                                                                                                                                     | Nos                  | 6.00       | 991.74     | 5950.44      |
| Approach slab(M 30) : Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5<br>RCC M-30 Grade                                                                                                                                                                                                                 | Cum                  | 12.60      | 13933.90   | 175567.14    |
| Plain/reinforced cement concrete in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204. ( M15 (PCC 1:2.5:5))                                                                                                                                                                                                                           | Cum                  | 6.30       | 7165.92    | 45145.30     |
| Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling concrete and masonry works in head walls and parapets as per clause 1106                                                                                                             | no                   | 15.00      | 6700.03    | 100500.45    |
| Plastering with cement mortar (1:4 ) on brick work in sub-structure as per Technical Specifications                                                                                                                                                                                                                                                                                                  | sqm                  | 87.20      | 198.75     | 17331.00     |
| Total                                                                                                                                                                                                                                                                                                                                                                                                |                      |            |            | 16197276.0   |
| 18 % GST                                                                                                                                                                                                                                                                                                                                                                                             |                      |            |            | 2915509.7    |
| 1% LABOUR CESS                                                                                                                                                                                                                                                                                                                                                                                       |                      |            |            | 161972.8     |
| 10% SEIGNIORAGE FEE                                                                                                                                                                                                                                                                                                                                                                                  |                      |            |            | 178926.9     |
| Total Construction Cost                                                                                                                                                                                                                                                                                                                                                                              |                      |            | A          | 19453685.3   |
| SCHEDULE B                                                                                                                                                                                                                                                                                                                                                                                           |                      |            |            |              |
| 5 YEAR MAINTENANCE COST                                                                                                                                                                                                                                                                                                                                                                              | Quarterly            | 20         | 283001.85  | 5660037.0    |
| Total                                                                                                                                                                                                                                                                                                                                                                                                |                      |            |            | 5660037.0    |
| 18 % GST                                                                                                                                                                                                                                                                                                                                                                                             |                      |            |            | 1018806.7    |
| 1% LABOUR CESS                                                                                                                                                                                                                                                                                                                                                                                       |                      |            |            | 56600.4      |
| 10% SEIGNIORAGE FEE                                                                                                                                                                                                                                                                                                                                                                                  |                      |            |            | 10948.9      |
| Total Maintenance Cost                                                                                                                                                                                                                                                                                                                                                                               |                      |            | B          | 6746392.9    |
| Grand Total Cost (A+B)                                                                                                                                                                                                                                                                                                                                                                               |                      |            |            | 26200078.2   |

23.08.22 Say B. 2,62,00,078.2  
 Approved for Rs 2,62,00,078.2 (Two crore sixty two  
 seventy eight) only.

12.12.22  
 Executive Engineer  
 Public Works Department  
 Purnea Division Dhamdaha (Purnea)

S.O.  
 R.W.D (W) circle  
 Purnea.