

| Particulars                           | Details of actual measurement |    |    |    | Contents<br>of area |
|---------------------------------------|-------------------------------|----|----|----|---------------------|
|                                       | No.                           | L. | B. | D. |                     |
| Name of works:- Construction of Road  |                               |    |    |    |                     |
| From Hardings to Hardings - tolls     |                               |    |    |    |                     |
| Under mmky (NDB)                      |                               |    |    |    |                     |
| Agency:- M/S Uttar Bihar Concr'g Comp |                               |    |    |    |                     |
| Agreement no 2 17/83/ 2022-23         |                               |    |    |    |                     |
| Date of start: 09.12.2022             |                               |    |    |    |                     |
| Date of completion: 08.12.2023        |                               |    |    |    |                     |

Measurement

## (1) Providing WB GR road

Bare course width all road  
Tob al clp

$$30.0 \times 4.05 \times 0.10 = 12.15 \text{ m}$$

$$10.0 \times 4.05 \times 0.10 = 4.05 \text{ m}$$

$$16.20 \text{ m}$$

## (2) Providing WB GR T road

from all left comp to al clp

$$30.0 \times 3.75 \times 0.075 = 8.4375 \text{ m}$$

$$\frac{10.0 \times 3.75 + 4.05}{2} \times 0.075 = 3.093 \text{ m}$$

$$11.53 \text{ m}$$

## (3) Providing Pce Mysn road with

all left comp 1st al clp

$$\text{Mysn Pce } 10.0 \times 3.75 \times 0.160 = 6.10 \text{ m}$$

Kumar

08/12/22

78

| Particulars                                  | Details of actual measurement |    |    |    | Contents of area |
|--|-------------------------------|----|----|----|------------------|
|  | No.                           | L. | B. | D. |                  |
| (1) Providing clean & GRSB road              |                               |    |    |    |                  |
| 2) Road bed width 6m                         |                               |    |    |    |                  |
| Comp. thickness                              |                               |    |    |    |                  |
| QTY = 12.96 m <sup>3</sup>                   |                               |    |    |    |                  |
| (@) 51133 = 76/m <sup>3</sup> => 92.857 =    |                               |    |    |    |                  |
| (2) Providing base cutting in                |                               |    |    |    |                  |
| road blank width 6m                          |                               |    |    |    |                  |
| Comp. thickness                              |                               |    |    |    |                  |
| QTY = 132.88 m <sup>3</sup>                  |                               |    |    |    |                  |
| (@) 74 = 16/m <sup>3</sup> => 978.9 =        |                               |    |    |    |                  |
| (3) Providing GSB GR2 m road                 |                               |    |    |    |                  |
| base course width 6m                         |                               |    |    |    |                  |
| Comp. thickness                              |                               |    |    |    |                  |
| QTY = 436.43 f 16.20 = 452.63 m              |                               |    |    |    |                  |
| length QTY = 452.02 m                        |                               |    |    |    |                  |
| (@) 29.76 = 90/m <sup>3</sup> => 1351.698 =  |                               |    |    |    |                  |
| (4) Providing R.B.Cm for 12 m wide           |                               |    |    |    |                  |
| base course width 6m                         |                               |    |    |    |                  |
| Comp. thickness                              |                               |    |    |    |                  |
| QTY = 12.96 m <sup>3</sup>                   |                               |    |    |    |                  |
| (@) 167.525 + 11.53 = 419.055 m <sup>3</sup> |                               |    |    |    |                  |
| (@) 3727 = 92 m <sup>3</sup> => 1562.904 =   |                               |    |    |    |                  |
| 2944548 =                                    |                               |    |    |    |                  |

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|   | No.                           | L. | B. | D. |                             |
|   |                               |    |    |    | 804 93465 48 m <sup>2</sup> |
| 5) Prov. C. of Mgt un-reinforced<br>in Road, Paravall ad Per al 819<br>QVJmBx no (13) 93cm (5)                              |                               |    |    |    |                             |
| Pg (16) 93cm (3)  |                               |    |    |    |                             |
| $\theta ty = 467 \cdot 40 \text{ ft } 6 \cdot 0 = 473 \cdot 40 \text{ m}$   |                               |    |    |    |                             |
| $\text{Lined } sty = 472 \cdot 68 \text{ m}^2$  |                               |    |    |    |                             |
| $(17) 318 - 621 \cdot 73 = 13459366 =$  |                               |    |    |    |                             |
| 6) Primary Erosion slope<br>road embankment made of<br>soil & Rammed earth<br>ad Per al 819<br>QVJmBx (21) - (24) 93cm (28) |                               |    |    |    |                             |
| (1) Lead 1800 met.  |                               |    |    |    |                             |
| $\theta ty = 410 \cdot 72 \text{ m}^3$  |                               |    |    |    |                             |
| (2) $202 \cdot 59 \text{ m}^3 \rightarrow 83179 = \text{v}$   |                               |    |    |    |                             |
| (1) Lead 1800 met   |                               |    |    |    |                             |
| $\theta ty = 958 \cdot 36 \text{ m}^3$  |                               |    |    |    |                             |
| (2) $167 = 41 \text{ m}^3 \rightarrow 160439 = \text{v}$  |                               |    |    |    |                             |
| 7) Off logo of mgt Board<br>and Information Board<br>ad Per al 819<br>QVJmBx (13) 93cm (7)                                  |                               |    |    |    |                             |
| $\theta ty = 4100 \text{ (11) } 523 - 93 \text{ cm } \rightarrow 146099 = \text{v}$   |                               |    |    |    |                             |
| 8) Primary Erosion slope<br>soil grade and erosion<br>shoulder ad Per al 819<br>QVJmBx (13) 93cm (8)                        |                               |    |    |    |                             |
| Pg (17) = 937.50 m <sup>3</sup>   |                               |    |    |    |                             |
| (2) $204 = 167 \text{ m}^3 \rightarrow 195483 = \text{v}$   |                               |    |    |    |                             |

Continuation

B 68 91112=0

| Particulars   | Details of actual measurement |    |    |     | Contents<br>of area |
|---|-------------------------------|----|----|-----|---------------------|
|   | No.                           | L. | B. | D.  |                     |
|   |                               |    | 82 | 689 | 1112 m <sup>2</sup> |
| 9) <del>32) S.P.P Setting out of FBM &amp; R.F Pillar with all Comp</del> |                               |    |    |     |                     |
| 10) Comp top all B.G  |                               |    |    |     |                     |
| ΔVFBM = 14.92 cm (4)  |                               |    |    |     |                     |
| 11) Reference of Non Unity Pillar   |                               |    |    |     |                     |
| ΔH = 1.48 Km (2) 1057.278 Km → 1564.8                                     |                               |    |    |     |                     |
| 12) Cont of Reference Pillar and Burjia                                   |                               |    |    |     |                     |
| ΔH = 1.48 Km (2) 1099.0 = 791 Km → 1626.6 m <sup>2</sup>                  |                               |    |    |     |                     |
| 13) Boundary E.P.W following model  |                               |    |    |     |                     |
| Traces with all Comp top  |                               |    |    |     |                     |
| General E.P.S   |                               |    |    |     |                     |
| ΔVFBM = 17.92 cm (4)  |                               |    |    |     |                     |
| ΔH = 75.24 m <sup>3</sup>   |                               |    |    |     |                     |
| (2) 289 = 32/m <sup>2</sup> → 90264 m <sup>2</sup>                        |                               |    |    |     |                     |
| 14) Boundary Stand Wall   |                               |    |    |     |                     |
| 15) Boundary with all Comp  |                               |    |    |     |                     |
| Comp top all B.G  |                               |    |    |     |                     |
| ΔVFBM = 17.92 cm (5)  |                               |    |    |     |                     |
| ΔH = 5.70 m <sup>3</sup> (2) 400 = 591 m → 2283 m <sup>2</sup>            |                               |    |    |     |                     |
| 16) Boundary B.P.F. Boundary  |                               |    |    |     |                     |
| 17) Boundary with all Comp  |                               |    |    |     |                     |
| Comp top all B.G  |                               |    |    |     |                     |
| ΔVFBM = 17.92 cm (6)  |                               |    |    |     |                     |
| ΔH = 57.92 m <sup>2</sup>   |                               |    |    |     |                     |
| (2) 289 = 47/m <sup>2</sup> → 1656 L = m <sup>2</sup>                     |                               |    |    |     |                     |

Continuation

8 6962134 m<sup>2</sup>

## Sch. XLV-Form No.134

| Particulars | Details of actual measurement              |    |    |      | Contents<br>of area |
|-------------|--|----|----|------|---------------------|
|             | No.  | L. | B. | D.   |                     |
|             |  |    | 88 | 3 69 | 2134 = n            |
| 13<br>(35)  | fronty piece margin                        |    |    |      |                     |
|             | width 10ft Comp 105 al 6y                  |    |    |      |                     |
|             | Front R.R. (18) 82cm (7)                   |    |    |      |                     |
|             | OT = 12.33m                                |    |    |      |                     |
|             | (@) 6131 = 48/m <sup>3</sup> → 175601 = n  |    |    |      |                     |
| 14<br>(36)  | fronty piece margin (14)                   |    |    |      |                     |
|             | width 10ft Comp 105 al 6y                  |    |    |      |                     |
|             | Front R.R. (18) 82cm (7)                   |    |    |      |                     |
|             | OT = 53.26m                                |    |    |      |                     |
|             | (@) 5673 = 88/m <sup>3</sup> → 309510 = n  |    |    |      |                     |
| 15<br>(37)  | S.F.C. 1000 mm dia MP                      |    |    |      |                     |
|             | R.c.c. ft. P width all con                 |    |    |      |                     |
|             | Comp 105 al 6y                             |    |    |      |                     |
|             | Front R.R. (18) 82cm (7)                   |    |    |      |                     |
|             | OT = 15.0 m → (@) 3899 = 78/m → 158467 = n |    |    |      |                     |
| 16<br>(38)  | fronty planing over 81m                    |    |    |      |                     |
|             | width all con (comp 105 al 6y)             |    |    |      |                     |
|             | Front R.R. (18) 82cm (7)                   |    |    |      |                     |
|             | OT = 72.80m                                |    |    |      |                     |
|             | (@) 187 = 39/m <sup>3</sup> → 13642 = n    |    |    |      |                     |
| 17<br>(39)  | fronty 15mm thick C.S.P                    |    |    |      |                     |
|             | over plastered wall width all              |    |    |      |                     |
|             | Comp 105 al 6y                             |    |    |      |                     |
|             | Front R.R. (19) 92cm (11)                  |    |    |      |                     |
|             | OT = 26.52m → (@) 59 = 68/m → 1730 = n     |    |    |      |                     |

Continuation

87413884 = n

| Particulars                           | Details of actual measurement |    |    |      | Contents<br>of area |
|---------------------------------------|-------------------------------|----|----|------|---------------------|
|                                       | No.                           | L. | B. | D.   |                     |
|                                       |                               |    |    | (20) | 741388.42           |
| 18<br>(9) Plainly Hard Shallow trench |                               |    |    |      |                     |
| Bottom cut width 44 cm                |                               |    |    |      |                     |
| Comp - 105 m/s                        |                               |    |    |      |                     |
| QVAMBPMO (19) 92cm (11)               |                               |    |    |      |                     |
| DT4 = 2695.00m <sup>2</sup>           |                               |    |    |      |                     |
| ② 1472.83/m <sup>2</sup> → 192124.20  |                               |    |    |      |                     |
| 19<br>(10) Plainly former coat over   |                               |    |    |      |                     |
| Worn surface width 44                 |                               |    |    |      |                     |
| Comp - 105 m/s                        |                               |    |    |      |                     |
| QVAMBPMO (19) 92cm (12) 82            |                               |    |    |      |                     |
| DT4 = 2695.00m <sup>2</sup>           |                               |    |    |      |                     |
| ② 144.20/m <sup>2</sup> → 112694.42   |                               |    |    |      |                     |
| 20<br>(11) Plainly Tack coat over     |                               |    |    |      |                     |
| former coat after 4 days              |                               |    |    |      |                     |
| QVAMBPMO (13) 92cm (14)               |                               |    |    |      |                     |
| DT4 = 2695.00m <sup>2</sup>           |                               |    |    |      |                     |
| ② 15 = 15/m <sup>2</sup> → 139769.20  |                               |    |    |      |                     |
| 21<br>(14) Plainly 20 mm thick        |                               |    |    |      |                     |
| 10 S.S. mix with plastic              |                               |    |    |      |                     |
| In worn surface width 44              |                               |    |    |      |                     |
| comp - 105 m/s                        |                               |    |    |      |                     |
| QVAMBPMO (20) 92cm (14)               |                               |    |    |      |                     |
| DT4 = 2695.00m <sup>2</sup>           |                               |    |    |      |                     |
| ② 923.54/m <sup>2</sup> → 1586793.20  |                               |    |    |      |                     |
|                                       |                               |    |    |      | 18249514.20         |
|                                       |                               |    |    |      |                     |
|                                       |                               |    |    |      |                     |

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|   | No.                           | L. | B. | D. |   |
|   |                               |    |    |    | 1050 ft <sup>2</sup> 8249514 m <sup>2</sup> |
| 92<br>17) S.R.P. ordinary Km Post                             |                               |    |    |    |   |
| mm all cost Comp 105 al 60                                    |                               |    |    |    |   |
| DW 3m 80 80 80cm 18   |                               |    |    |    |   |
| Dly = 2 m @ 1 9492 = 18/m $\rightarrow$ 4984 m <sup>2</sup>   |                               |    |    |    |   |
| 93<br>18) S.R.P. 200 met Post mm                              |                               |    |    |    |   |
| all cost Comp 105 al 60                                       |                               |    |    |    |   |
| DW 3m 80 80 80cm 18   |                               |    |    |    |   |
| Dly = 6 m @ 1 639 = 25/m $\rightarrow$ 3839 m <sup>2</sup>    |                               |    |    |    |   |
| 94<br>19) S.P.F. Precast Boundary                             |                               |    |    |    |   |
| pillars in road way   |                               |    |    |    |   |
| cost Comp 105 al 60   |                               |    |    |    |   |
| DW 3m 80 80 80cm 18   |                               |    |    |    |   |
| Dly = 23 m @ 1 513 = 23/m $\rightarrow$ 19885 m <sup>2</sup>  |                               |    |    |    |   |
| 95<br>20) Boundary Parapet two coat                           |                               |    |    |    |   |
| mm enamel paint al 60   |                               |    |    |    |   |
| DW 3m 80 80 80cm 18   |                               |    |    |    |   |
| Dly = 22.32 m   |                               |    |    |    |   |
| @ 1 97 = 96 m <sup>2</sup> $\rightarrow$ 2186 m <sup>2</sup>  |                               |    |    |    |   |
| 96<br>21) Boundary 2 coat of water                            |                               |    |    |    |   |
| baked parapet over road                                       |                               |    |    |    |   |
| Surface al 60   |                               |    |    |    |   |
| DW 3m 80 80 80cm 18   |                               |    |    |    |   |
| Dly = 15.6 m  |                               |    |    |    |   |
| @ 1 90 = 98 m <sup>2</sup> $\rightarrow$ 14193 m <sup>2</sup> |                               |    |    |    |   |
|   |                               |    |    |    | 88287601 m <sup>2</sup>                     |
|   |                               |    |    |    |   |
|   |                               |    |    |    |   |
|   |                               |    |    |    |   |

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|                       | No.  | L. | B. | D. |                             |
|                       |  |    |    |    | 228.68289601 m <sup>2</sup> |
| 27<br><del>22</del> ) | Prong Hot applied Alarma                                       |    |    |    |                             |
|                       | Plastic compound n fixed                                       |    |    |    |                             |
|                       | marking 26   |    |    |    |                             |
|                       | Q V jmb 21 91 cm 23  |    |    |    |                             |
|                       | Dly = 9.66.00 m <sup>2</sup>                                   |    |    |    |                             |
|                       | (@) 735 = 44/m <sup>2</sup> → 217690 m <sup>2</sup>            |    |    |    |                             |
| 28<br><del>26</del> ) | S.I.F. equilateral Triangle                                    |    |    |    |                             |
|                       | retro-reflective Traffic sign Board                            |    |    |    |                             |
|                       | at paral bly   |    |    |    |                             |
|                       | Q V jmb 21 91 cm 23  |    |    |    |                             |
|                       | Dly = 10 m <sup>2</sup>  |    |    |    |                             |
|                       | (@) 3551 = 331/cm → 35513 m <sup>2</sup>                       |    |    |    |                             |
| 29<br><del>27</del> ) | S.I.F. 600 mm retro-reflection                                 |    |    |    |                             |
|                       | Traffic Circular sign Board                                    |    |    |    |                             |
|                       | at paral bly   |    |    |    |                             |
|                       | Q V jmb 21 91 cm 23  |    |    |    |                             |
|                       | Dly = 6 m <sup>2</sup> (@) 4865 = 36/cm → 29192 m <sup>2</sup> |    |    |    |                             |
| 30<br><del>28</del> ) | S.P.R. 600x150 mm  |    |    |    |                             |
|                       | red rectangular Plate Board                                    |    |    |    |                             |
|                       | at paral bly   |    |    |    |                             |
|                       | Q V jmb 21 91 cm 23  |    |    |    |                             |
|                       | Dly = 9 m <sup>2</sup>   |    |    |    |                             |
|                       | (@) 2151 = 4194 = 61/cm → 2389 m <sup>2</sup>                  |    |    |    |                             |
|                       |  |    |    |    | 88580385 m <sup>2</sup>     |
|                       |  |    |    |    |                             |
|                       |  |    |    |    |                             |
|                       |  |    |    |    |                             |

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|                      | No.   | L.                 | B.       | D. |                     |
| (31)                 |   | BP ft              | 8580385= |    |                     |
| 29                   | 8 P.F. 700 mm side<br>Octagonal shape Behind<br>at peral 89         |                    |          |    |                     |
|                      |   | (V) 2m 80m 90m 90m |          |    |                     |
|                      | Dt = 9 m  |                    |          |    |                     |
|                      | (32) 8151 - 46 feet   |                    |          |    | 16303=              |
| 30                   | S-PF 300 m wide Rec HP<br>from all log Camp =<br>at 601             |                    |          |    |                     |
|                      | (V) 2m 80m 90m 90m  |                    |          |    |                     |
|                      | Dt = 22 m   |                    |          |    |                     |
|                      | (33) 865 = 68 m → 19478=  |                    |          |    |                     |
| 31                   | S-PF plantation of trees<br>behind Rock Bank & Shrub<br>at peral 86 |                    |          |    |                     |
|                      | (V) 2m 80m 90m 90m  |                    |          |    |                     |
|                      | Dt = 70 m   |                    |          |    |                     |
|                      | (34) 819 = 92 feet  |                    |          |    | 57394=              |
|                      |   |                    |          |    |                     |
|                      |   |                    |          |    | 8673560=            |
| Add G.S.T.           | 18%   | →                  | 1561941= |    |                     |
| Add L-C.L.F          |   | →                  | 86736=   |    |                     |
| Add S.P. 10%         |   | →                  | 91135=   |    |                     |
|                      |   |                    |          |    | 10412679=           |
| 1/2 Add Perimeter ft | 10  |                    | 8203589= |    |                     |
|                      |   |                    |          |    | 9209073=            |
|                      |   |                    |          |    | ,                   |
|                      |   |                    |          |    | 250 P23             |
|                      |   |                    |          |    | 18                  |
|                      |   |                    |          |    |                     |
|                      |   |                    |          |    |                     |
|                      |   |                    |          |    |                     |
|                      |   |                    |          |    |                     |