

Name of Work-

Situation of Work-

Agency by which work is executed-

Date of Measurement-

No. and date of agreement

(These four lines should be repeated at the commencement of the measurement relating to each work)

| Particulars                                                                             | Details of actual measurement |     |     | Contents of area |
|-----------------------------------------------------------------------------------------|-------------------------------|-----|-----|------------------|
|                                                                                         | No.                           | Lat | Lon |                  |
| Name of work:- Construction of Road from masroakh - Panna pur via Rasauli To Tutha Tola |                               |     |     |                  |
| N/Agency:- Deepanshu Enterprises                                                        |                               |     |     |                  |
| Ag No:- MMCSY/2021/SB/20-21                                                             |                               |     |     |                  |
| D.O. Start:- 16.04.2021                                                                 |                               |     |     |                  |
| D.O. Comp:- 15.01.2022                                                                  |                               |     |     |                  |

① Clearing and Grubbing of Road Land - do all compo

$$2 \times 565.00 \times 1.00 = 1130.00 \text{ m}^2$$

$$\approx 0.113 \text{ Hae}$$

② Pln and Pacing of working

BM & Reference Pillar - 0.565 km

③ Excavation of Road Way

Cultiv in Soil

$$2 \times 565.00 \times 0.375 \times 1.00 = 42.38 \text{ m}^3$$

④ Cost of embankment with gravel

loosely excavated soil

$$0.60 \times 42.38 \text{ m}^3 = 25.43 \text{ m}^3$$

| Particulars                                                      | Details of actual measurement |   |   |   | Contents of area |
|------------------------------------------------------------------|-------------------------------|---|---|---|------------------|
|                                                                  | No                            | L | B | D |                  |
| ⑤ Construction of G.P. 3<br>with app. material                   |                               |   |   |   |                  |
| $2 \times 5.65 \times 1.375 \times 0.100$                        |                               |   |   |   | $= 42.38 m^3$    |
| Extra reinforcement                                              |                               |   |   |   |                  |
| $2 \times 15.00 \times \frac{5.65 \times 1.375}{2} \times 0.100$ |                               |   |   |   | $= 12.62 m^3$    |
| $6.00 \times 3.75 \times 0.100$                                  |                               |   |   |   | $= 2.25 m^3$     |
| Extra for Profile Connection                                     |                               |   |   |   |                  |
| $2 \times 5 \times 10.00 \times 1.00 \times 0.100$               |                               |   |   |   | $= 10.00 m^3$    |
| $2 \times 3 \times 6.00 \times 1.00 \times 0.100$                |                               |   |   |   | $= 3.60 m^3$     |
| $10 \times 3.00 \times 1.00 \times 0.100$                        |                               |   |   |   | $= 3.00 m^3$     |
| $15 \times 1.50 \times 2.00 \times 0.100$                        |                               |   |   |   | $= 4.50 m^3$     |
| $10 \times 1.00 \times 1.50 \times 0.100$                        |                               |   |   |   | $= 1.50 m^3$     |

69.85 m<sup>3</sup>

⑥ Provision of laying with m<sup>3</sup>  
with app. material

$$550.00 \times 3.75 \times 0.075 = 154.69 m^3$$

$$15.00 \times \frac{3.75 \times 6.50}{2} \times 0.075 = 5.76 m^3$$

Extra reinforcement

$$6.00 m \times 3.75 \times 0.075 = 1.69 m^3$$

162.14 m<sup>3</sup>Qty. of m<sup>3</sup> for 188 — 162.08 m<sup>3</sup>

⑦ Cost of concrete for 188  
Concrete (130 m<sup>3</sup>) Particulars

$$550.00 \times 3.75 \times 0.160 (m) = 330.00 m^3$$

$$15.00 \times \frac{3.75 \times 6.50}{2} \times 0.160 (m) = 12.30 m^3$$

Extra reinforcement

$$6.00 \times 3.75 \times 0.160 (m) = 3.60 m^3$$

Qty. of m<sup>3</sup> for 188 — 345.78 m<sup>3</sup>

Continuation



| Particulars                                                       | Details of actual measurement |    |    |    | Contents of area      |
|-------------------------------------------------------------------|-------------------------------|----|----|----|-----------------------|
|                                                                   | No.                           | L. | B. | D. |                       |
| <b>⑧ Construction of Subgrade and embankment</b>                  |                               |    |    |    |                       |
| $2 \times 565.10 \times 1.60 \times 0.125 =$                      |                               |    |    |    | 141.25 m <sup>3</sup> |
| $2 \times 565.10 \times 0.625 \times 0.075 =$                     |                               |    |    |    | 52.97 m <sup>3</sup>  |
| $2 \times 565.10 \times 0.625 \times 0.160 =$                     |                               |    |    |    | 113.04 m <sup>3</sup> |
|                                                                   |                               |    |    |    | 1                     |
|                                                                   |                               |    |    |    | 307.22 m <sup>3</sup> |
| Reduction on 1st cut duty                                         |                               |    |    |    | 293.09 m <sup>3</sup> |
| $2 \times 565.10 \times 0.25 \times 0.125 =$                      |                               |    |    |    | 35.31 m <sup>3</sup>  |
|                                                                   |                               |    |    |    | 271.91 m <sup>3</sup> |
| <b>⑨ Roadway and drainage</b>                                     |                               |    |    |    |                       |
| <b>1st cut duty</b>                                               |                               |    |    |    |                       |
| $2 \times 565.10 \times 0.250 =$                                  |                               |    |    |    | 282.55 m <sup>2</sup> |
|                                                                   |                               |    |    |    |                       |
| <b>⑩ Construction of embankment with appraised 10 up to 100 m</b> |                               |    |    |    |                       |
| Total A/D Duty including Roadway = 1357.95 m <sup>3</sup>         |                               |    |    |    |                       |
| Reduction on 1st cut duty = 69.85 m <sup>3</sup>                  |                               |    |    |    |                       |
| 4th cut duty = 162.14 m <sup>3</sup>                              |                               |    |    |    |                       |
| 2nd cut duty = 345.90 m <sup>3</sup>                              |                               |    |    |    |                       |
| Subgrade = 307.22 m <sup>3</sup>                                  |                               |    |    |    |                       |
| roadway = 293.09 m <sup>3</sup>                                   |                               |    |    |    |                       |
| 1st cut duty = 271.91 m <sup>3</sup>                              |                               |    |    |    |                       |
| Total A/D Duty = 172.84 m <sup>3</sup>                            |                               |    |    |    |                       |
| <b>⑪ P.V. and Laying 300 mm dia</b>                               |                               |    |    |    |                       |
| duct Pipe = 20.00 met                                             |                               |    |    |    |                       |

(I) 600 mm eq Triangle = 02 N  
(II) 600 mm dia Circle = 02 N  
(III) 600 mm x 1500 mm Rect = 02 N  
(IV) PN and fixing of  
typical masonry logo holder  
+ metal band = 04 N

27-6-22  
A2

28/06/22  
A2



| Particulars                                           | Details of actual measurement |    |    |             | Contents of area |
|-------------------------------------------------------|-------------------------------|----|----|-------------|------------------|
|                                                       | No.                           | L. | B. | D.          |                  |
| <u>Abutment of Cost</u>                               |                               |    |    |             |                  |
| 1. <u>clearing and grubbing</u><br><u>to R/L line</u> |                               |    |    |             |                  |
| 24 (1) P-1                                            |                               |    |    |             |                  |
| 1/3 Hec CB 52970.33                                   |                               |    |    | Hecy 5986.0 |                  |
| Plv and placing working BM<br>and Ret Pilla           |                               |    |    |             |                  |
| 24 (2) P-1                                            |                               |    |    |             |                  |
| 0.565 Km CB 12801.56                                  |                               |    |    | Km 7233.0   |                  |
| Excavation of Roadway<br>Cut-up                       |                               |    |    |             |                  |

|                                                            |                        |  |          |  |  |
|------------------------------------------------------------|------------------------|--|----------|--|--|
| 24 (3) P-1                                                 |                        |  |          |  |  |
| 42.38 m <sup>3</sup> CB                                    | 130.83/m <sup>3</sup>  |  | 5545.0   |  |  |
| 4. <u>Cost of embankment with</u><br><u>excavated soil</u> |                        |  |          |  |  |
| 24 (4) P-1                                                 |                        |  |          |  |  |
| 25.43 m <sup>3</sup> CB                                    | 96.75/m <sup>3</sup>   |  | 2460.0   |  |  |
| 5. <u>Cost of sub GRI</u>                                  |                        |  |          |  |  |
| 24 (5) P-2                                                 |                        |  |          |  |  |
| 69.85 m <sup>3</sup> CB                                    | 3312.90/m <sup>3</sup> |  | 231406.0 |  |  |
| 6. <u>Plv and Laying wbm</u><br><u>Gr-3</u>                |                        |  |          |  |  |
| 24 (6) P-2                                                 |                        |  |          |  |  |
| 162.08 m <sup>3</sup> CB                                   | 4565.15/m <sup>3</sup> |  | 739920.0 |  |  |

| Particulars                                | Details of actual measurement |                        |    |    | Contents of area   |
|--------------------------------------------|-------------------------------|------------------------|----|----|--------------------|
|                                            | No.                           | L.                     | B. | D. |                    |
| ⑦ Const of concrete pavement               |                               |                        |    |    |                    |
| cement concrete m <sup>3</sup> to pavement |                               |                        |    |    |                    |
| 1+⑤ P-2                                    |                               |                        |    |    |                    |
| 345.78 m <sup>3</sup> CB                   |                               | 8175.65/m <sup>3</sup> |    |    | 2827045            |
| ⑧ Const of subgrade on                     |                               |                        |    |    |                    |
| earth shoulder                             |                               |                        |    |    |                    |
| 2+⑤ P-3                                    |                               |                        |    |    |                    |
| 293.09 m <sup>3</sup> CB                   |                               | 183.34/m <sup>3</sup>  |    |    | 53735.0            |
| <del>293.09 m<sup>3</sup> CB</del>         |                               |                        |    |    | <del>49852.0</del> |
| ⑨ Const of concrete pavement               |                               |                        |    |    |                    |
| 1+⑤ P-3                                    |                               |                        |    |    |                    |
| 282.50 m <sup>3</sup> CB                   |                               | 552.26/m <sup>3</sup>  |    |    | 156013.0           |
| ⑩ Const of concrete with                   |                               |                        |    |    |                    |
| low iron                                   |                               |                        |    |    |                    |
| 2+⑤ P-3                                    |                               |                        |    |    |                    |
| 472.84 m <sup>3</sup> CB                   |                               | 197.09/m <sup>3</sup>  |    |    | 93168.0            |
| ⑪ Paved Pavement 300 mm                    |                               |                        |    |    |                    |
| dry Rec. dust P.P.                         |                               |                        |    |    |                    |
| 2+⑤ P-3                                    |                               |                        |    |    |                    |
| 20 Met CB                                  |                               | 971.25/m <sup>2</sup>  |    |    | 19425.0            |
| ⑫ Paved and applied Road                   |                               |                        |    |    |                    |
| marking Paint                              |                               |                        |    |    |                    |
| 1+⑤ P-4                                    |                               |                        |    |    |                    |
| 113.00 m <sup>2</sup> CB                   |                               | 859.51/m <sup>2</sup>  |    |    | 97125.0            |
| ⑬ Paved Road kerb                          |                               |                        |    |    |                    |
| 1+⑤ P-4                                    |                               |                        |    |    |                    |
| 02 No CB                                   |                               | 2372.00/cash           |    |    | 4744.00            |



| Particulars                       | Details of actual measurement |         |    |    | Contents of area |
|-----------------------------------|-------------------------------|---------|----|----|------------------|
|                                   | No.                           | L.      | B. | D. |                  |
| (13) PIV and Picking 2nd med Post | 24                            | (13) 24 |    |    |                  |
| 02 Nos CB 638.48/each             |                               |         |    |    | 1277.0           |
| (14) PIV and Picking of 21 Piller | 24                            | (14) 24 |    |    |                  |
| 20 Nos CB 525.00/each             |                               |         |    |    | 10500.0          |
| (15) PIV and Picking of 14th beam | 14                            | (15) 14 |    |    |                  |
| 03 Nos CB 10190.98/each           |                               |         |    |    | 30573.0          |
| (16) PIV and Picking of 12th beam | 12                            | (16) 12 |    |    |                  |
| 02 Nos CB 3520.01/each            |                               |         |    |    | 7040.0           |
| (17) 600mm dia Corcular           | 02                            |         |    |    |                  |
| 02 Nos CB 4700.32/each            |                               |         |    |    | 9401.0           |
| (18) 600mm x 450mm Reel           | 02                            |         |    |    |                  |
| 02 Nos CB 6531.20/each            |                               |         |    |    | 13062.0          |
| (19) PIV and Picking of 14th beam | 14                            | (19) 14 |    |    |                  |
| 04 Nos CB 10306.70/each           |                               |         |    |    | 41227.0          |
| Total                             |                               |         |    |    | 42008.0          |

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| Particulars                                                                                                                                                      | Details of actual measurement |       |    |    | Contents of area |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------|----|----|------------------|
|                                                                                                                                                                  | No.                           | L.    | B. | D. |                  |
|                                                                                                                                                                  |                               | BR    | R  |    | 4200872.0        |
| Add 12% PLOT (7)                                                                                                                                                 |                               |       | B  |    | 504105.0         |
| Add 1% P.L. Less (4)                                                                                                                                             |                               |       | B  |    | 42009.00         |
| Add 1.229% P. Spec (4)                                                                                                                                           |                               |       | B  |    | 51629.00         |
|                                                                                                                                                                  |                               |       |    |    | 30000.00         |
| (11) 000mm                                                                                                                                                       |                               | Total | B  |    | 4798615.00       |
| Less 1.21% Below Rate (4)                                                                                                                                        |                               |       | R  |    | 58063.00         |
| (11) 000mm                                                                                                                                                       |                               |       | R  |    | 4740602.00       |
| 0.5% W.N                                                                                                                                                         |                               |       |    |    | 4740552.00       |
| <p> <del>Certified that work has been completed as per Spec on draw of 6/9.</del><br/>           7.6.2022<br/>           08/06/22<br/>           AE         </p> |                               |       |    |    |                  |