

पुष्पकालाः - ममपुष्पः - विसर्पिन्मा - दीपु - वि - विद्वान्मा  
दुष्पु - तपु - विपु - अपु

# Measurement Book

Schedule XIV Form No. 134

ग्रामीण कार्य विभाग

कार्य प्रमंडल नरकटियागंज

DIVISION

पुष्पकालाः - दीपु

SUB-DIVISION

M.B.No:- 1269/2020-21

1  
 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 measurements relating to each work).

| Particulars | Details of actual measurement |    |    |    | Contents of area |
|-------------|-------------------------------|----|----|----|------------------|
|             | No.                           | L. | B. | D. |                  |
|             | IS-RWA Bill                   |    |    |    |                  |
|             | Name of work                  |    |    |    |                  |
|             | Const. of                     |    |    |    |                  |
|             | road from                     |    |    |    |                  |
|             | Betahania chowk to            |    |    |    |                  |
|             | Betahania school,             |    |    |    |                  |
|             | Head - mmsy                   |    |    |    |                  |
|             | Agency                        |    |    |    |                  |
|             | Amlesh Prasad.                |    |    |    |                  |

|                 |                 |
|-----------------|-----------------|
| Agree. No -     | 59/2020-21      |
| Date of work -  | 20-5-2020       |
| Time required - | 19-05-2021      |
| Agree. value -  | Rs 106,57,655/- |
|                 | @ 0.07 % below  |
| Length -        | 1.300 km.       |
|                 |                 |
|                 |                 |
|                 |                 |
|                 |                 |

Continuation

| Particulars                                          | Details of actual measurement |    |    |    | Contents of area                       |
|------------------------------------------------------|-------------------------------|----|----|----|----------------------------------------|
|                                                      | No.                           | L. | B. | D. |                                        |
| ① Construction of B.M.<br>(i) and reference pillar - |                               |    |    |    |                                        |
|                                                      |                               |    |    |    | $= 1.300 \text{ cm}$                   |
| ② (i) Const of reference<br>pillar/Burjey -          |                               |    |    |    |                                        |
|                                                      |                               |    |    |    | $= 1.30 \text{ cm}$                    |
| ③ Clearing & grubbing<br>road bed - EIE              |                               |    |    |    |                                        |
|                                                      |                               |    |    |    | $2 \times 1700 \times 1150 \text{ cm}$ |
|                                                      |                               |    |    |    | $= 3900.00 \text{ m}^2$                |
|                                                      |                               |    |    |    | $\text{Qty} \approx 0.39 \text{ Hq.}$  |

|                                                                |  |  |  |  |                                                                                    |
|----------------------------------------------------------------|--|--|--|--|------------------------------------------------------------------------------------|
| ③ Const of embankment<br>with approved material<br>2 ch - job. |  |  |  |  |                                                                                    |
|                                                                |  |  |  |  | $4 \times 30 \times \left( \frac{5.50 + 8.00}{2} - 3.50 \right)$                   |
|                                                                |  |  |  |  | $\times 0.75 \text{ cm} = 292.50 \text{ m}^3$                                      |
|                                                                |  |  |  |  | $10 \times 30 \times \left( \frac{5.50 + 8.00}{2} - \frac{4.00 + 4.00}{2} \right)$ |
|                                                                |  |  |  |  | $\times 0.75 \text{ cm}$                                                           |
|                                                                |  |  |  |  | $= 562.50 \text{ m}^3$                                                             |
|                                                                |  |  |  |  | $8 \times 30 \times \left( \frac{5.50 + 8.50}{2} - 4.00 \right)$                   |
|                                                                |  |  |  |  | $\times 0.75 \text{ cm}$                                                           |
|                                                                |  |  |  |  | $= 540.00 \text{ m}^3$                                                             |
|                                                                |  |  |  |  | $3 \times 30 \times \left( \frac{5.00 + 8.50}{2} - 4.25 \right)$                   |
|                                                                |  |  |  |  | $\times 0.60 \text{ cm} = 135.00 \text{ m}^3$                                      |

Continuation  $\text{Cd} = 1530.00 \text{ m}^3$

$\frac{21.7.20}{0.5} \times \frac{G_m}{21.7.20} = 122.81 \text{ m}$

| Particulars                                             | Details of actual measurement |    |    |       | Contents of area                                           |
|---------------------------------------------------------|-------------------------------|----|----|-------|------------------------------------------------------------|
|                                                         | No.                           | L. | B. | D.    |                                                            |
| ① <del>Excavation of road</del><br>in soil using - F.R. |                               |    |    |       |                                                            |
| B.T. Portion                                            |                               |    |    |       |                                                            |
|                                                         | 2                             | 10 | 30 | 0.5   | $2 \times 10 \times 30 \times 0.5 \times 0.10 = 31.50 m^3$ |
|                                                         | 2                             | 10 | 30 | 0.5   | $2 \times 10 \times 30 \times 0.5 \times 0.10 = 31.50$     |
|                                                         | 2                             | 5  | 20 | 0.5   | $2 \times 5 \times 20 \times 0.5 \times 0.10 = 15.75$      |
| P.C. Portion                                            | 2                             | 10 | 30 | 0.375 | $2 \times 10 \times 30 \times 0.375 \times 0.10 = 22.50$   |
|                                                         | 2                             | 6  | 30 | 0.375 | $2 \times 6 \times 30 \times 0.375 \times 0.10 = 13.50$    |
|                                                         | 2                             | 1  | 20 | 0.375 | $2 \times 1 \times 20 \times 0.375 \times 0.10 = 1.50$     |
| Excavation                                              | 2                             | 1  | 30 | 0.375 | $2 \times 1 \times 30 \times 0.375 \times 0.175 = 3.94$    |
|                                                         | 2                             | 1  | 20 | 0.375 | $2 \times 1 \times 20 \times 0.375 \times 0.175 = 2.63$    |
| Path repair                                             | 5                             | 3  | 10 | 2     | $5 \times 3 \times 10 \times 2 \times 0.10 = 3.00$         |

|              |     |    |    |      |                                                          |
|--------------|-----|----|----|------|----------------------------------------------------------|
|              | 7   | 4  | 10 | 1.9  | $7 \times 4 \times 10 \times 1.9 \times 0.10 = 5.32$     |
|              | 4   | 1  | 0  | 1.5  | $4 \times 1 \times 0 \times 1.5 \times 0.10 = 0.60$      |
|              | 6   | 2  | 50 | 2.8  | $6 \times 2 \times 50 \times 2.8 \times 0.10 = 4.20$     |
|              | 3   | 4  | 50 | 1.8  | $3 \times 4 \times 50 \times 1.8 \times 0.10 = 2.43$     |
|              | 5   | 3  | 50 | 2.9  | $5 \times 3 \times 50 \times 2.9 \times 0.10 = 5.07$     |
|              | 7   | 3  | 0  | 2.1  | $7 \times 3 \times 0 \times 2.1 \times 0.10 = 4.41$      |
|              | 2   | 4  | 50 | 2.5  | $2 \times 4 \times 50 \times 2.5 \times 0.10 = 2.25$     |
|              | 5   | 2  | 50 | 1.8  | $5 \times 2 \times 50 \times 1.8 \times 0.10 = 2.25$     |
|              | 3   | 1  | 50 | 0.6  | $3 \times 1 \times 50 \times 0.6 \times 0.10 = 0.27$     |
|              | 4   | 0  | 90 | 1.0  | $4 \times 0 \times 90 \times 1.0 \times 0.10 = 0.36$     |
|              | 2   | 0  | 80 | 1.9  | $2 \times 0 \times 80 \times 1.9 \times 0.10 = 0.30$     |
| overlaid     | 1   | 25 | 30 | 4.05 | $1 \times 25 \times 30 \times 4.05 \times 0.10 = 30.375$ |
| B.T. Portion |     |    |    |      |                                                          |
|              | C.O | T  |    |      | $457.03 m^3$                                             |

ABSTRACT OF COST

① Cost of 3-m and  
reference pillar — R/R  
qty vide T.M & P-②  
= 1.30 km  
@ Rs 12022.85/km  
= Rs 15630.00

② Cost of reference pillar  
2 bars — R/R  
qty vide P-②  
= 1.30 km  
@ Rs 3598.95/km = Rs 17679.00

Co = Rp 33309.-

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| Particulars                | Details of actual measurement |    |    |    | Contents of area  |
|----------------------------|-------------------------------|----|----|----|-------------------|
|                            | No.                           | L. | B. | D. |                   |
|                            |                               |    |    |    | B.F = Rs 33309.00 |
| ③ Clearing & grubbing work |                               |    |    |    |                   |
| 5 Load ——— E/F             |                               |    |    |    |                   |
| Qty P- ③                   |                               |    |    |    |                   |
| = 0.39 Ha.                 |                               |    |    |    |                   |
| @ Rs 15133-76/Ha           |                               |    |    |    |                   |
|                            |                               |    |    |    | = Rs 5902.00      |
| ④ Const. of embankment     |                               |    |    |    |                   |
| with approved material     |                               |    |    |    |                   |
| Length load 100 m — E/F    |                               |    |    |    |                   |
| Qty P- ③ (A)               |                               |    |    |    |                   |
| = 495 m <sup>3</sup>       |                               |    |    |    |                   |

|                                  |  |  |  |  |                            |
|----------------------------------|--|--|--|--|----------------------------|
|                                  |  |  |  |  |                            |
|                                  |  |  |  |  | @ Rs 174.74/m <sup>3</sup> |
|                                  |  |  |  |  | = Rs 86595.00              |
| ⑤ Const. of embankment           |  |  |  |  |                            |
| 6 Load up to 100 m               |  |  |  |  |                            |
| 2 ——— E/F                        |  |  |  |  |                            |
| Qty P- ③ (B)                     |  |  |  |  |                            |
| = 1155 m <sup>3</sup>            |  |  |  |  |                            |
| @ Rs 58.70/m <sup>3</sup>        |  |  |  |  |                            |
|                                  |  |  |  |  | = Rs 67799.00              |
| ⑥ Excavation - do. road          |  |  |  |  |                            |
| 7 width in soil — E/F            |  |  |  |  |                            |
| Box cutting                      |  |  |  |  |                            |
| Qty P- ③ = 122.81 m <sup>3</sup> |  |  |  |  |                            |
| @ Rs 74.16/m <sup>3</sup>        |  |  |  |  | = Rs 9108.00               |

Continuation

C= Rs 202713.00

| Particulars | Details of actual measurement |    |    |    | Contents of area                           |
|-------------|-------------------------------|----|----|----|--------------------------------------------|
|             | No.                           | L. | B. | D. |                                            |
|             |                               |    |    |    | C-0 = Rs 202713.00                         |
| ⑦           |                               |    |    |    | Cont. of G.S.B. & I                        |
| 9           |                               |    |    |    | 2 old curbs = 206                          |
|             |                               |    |    |    | Qty P. ⑤                                   |
|             |                               |    |    |    | = 462.88 / m <sup>3</sup>                  |
|             |                               |    |    |    | CR 386001 / m <sup>3</sup> = Rs 1786721.00 |
| ⑧           |                               |    |    |    | Prov. & fixing of                          |
| 24          |                               |    |    |    | mm GSY signboard                           |
|             |                               |    |    |    | Q ——— B/E                                  |
|             |                               |    |    |    | Qty P. ⑤                                   |
|             |                               |    |    |    | = 1 No                                     |
|             |                               |    |    |    | CR 11791-92 / No                           |
|             |                               |    |    |    | = Rs 11792.00                              |
|             |                               |    |    |    | T = Rs 2001226.00                          |
|             |                               |    |    |    | Add GST @ 12% = Rs 240147.00               |
|             |                               |    |    |    | Add 1% Cess = 20012.00                     |
|             |                               |    |    |    | T = Rs 2261385.00                          |
|             |                               |    |    |    | W @ 0.07% = 1583.00                        |
|             |                               |    |    |    | T = Rs 2259802.00                          |
|             |                               |    |    |    | 28.9.20                                    |
|             |                               |    |    |    | OB                                         |

28.9.20  
Continuation

## Sch. XLV-Form No. 134

| Particulars       | Details of actual measurement |    |    |    | Contents of area       |
|-------------------|-------------------------------|----|----|----|------------------------|
|                   | No.                           | L. | B. | D. |                        |
|                   |                               |    |    |    |                        |
|                   | <u>Consumption material</u>   |    |    |    |                        |
|                   |                               |    |    | 12 |                        |
|                   |                               |    |    |    |                        |
| (i) B/W           |                               |    |    |    | 1650.00 m <sup>2</sup> |
| (ii) C-Sand       |                               |    |    |    | 177.75 m <sup>3</sup>  |
| (iii) Stone metal |                               |    |    |    | 414.75 m <sup>3</sup>  |
|                   |                               |    |    |    |                        |
|                   |                               |    |    |    |                        |
|                   |                               |    |    |    |                        |
| <del>W Sand</del> |                               |    |    |    |                        |
|                   | 28.0                          |    |    |    |                        |
| OE                |                               |    |    |    |                        |