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To Sri.....Babbar Ram.....A.E.-R.W.  
Work Sub-Div.....Kutumba.....

*YKS/10/17/20*  
Executive Engineer  
Rural Works Department  
Works Division, Aurangabad  
*10/17/20*

Schedule XLV - Form No. 134.

E.E. A. E. Kutumba. District.

A.E. Kutumba. SUB-DIVISION.

MEASUREMENT BOOK

2788

Name of owner Sri Babbar Ram A.E.

Kutumba.

Date of first survey 10/17/20

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 or area |
|------------------------|-----------------------------------------------------|----|----|----|------------------|
|                        | No.                                                 | L. | B. | D. |                  |
| <u>1st on A/C Bill</u> |                                                     |    |    |    |                  |
| Name of Work -         | Amba Mahanagar Road to Rasoiya under Head M.M.G.S.Y |    |    |    |                  |
| Agency -               | Muneshwar Singh at Sal-hara, Arangal                |    |    |    |                  |
| Agreement No -         | 39 S.B.D/2020-21                                    |    |    |    |                  |
| Agreement value -      | Rs-1723806-00                                       |    |    |    |                  |
| Date of work start -   | 08/6/2020                                           |    |    |    |                  |
| Date of completion -   | 07/03/21                                            |    |    |    |                  |

|                           |      |           |   |                       |  |
|---------------------------|------|-----------|---|-----------------------|--|
| <u>Measurement</u>        |      |           |   |                       |  |
| ①/2 clearing and Grubbing |      |           |   |                       |  |
| - Road level - d - RL     |      |           |   |                       |  |
| 1x                        | 30m  | 3.75m     | = | 112.50m <sup>2</sup>  |  |
| 2x                        | 7x30 | 3.50      | = | 1470.00               |  |
| 2x                        | 1x18 | 3.50      | = | 105.00                |  |
| 2x                        | 3x18 | 4.0m      | = | 360.00                |  |
| 2x                        | 1x   | 5.70x9.30 | = | 165.00                |  |
| 1x                        | 14m  | 5.0m      | = | 70.00                 |  |
| 1x                        | 6m   | 3.0m      | = | 18.00                 |  |
|                           |      |           |   | 2300.50m <sup>2</sup> |  |
|                           |      |           | = | 0.23ha                |  |

②/5 Construction of embankment  
 - d - Material obtained  
 - for borrow pit - d - RL

Continuation  
 ③/2 for RL calculation



| S.N. | Chn | Fill  | Name              | Details of actual measurement |                            |        | Contents of area         |
|------|-----|-------|-------------------|-------------------------------|----------------------------|--------|--------------------------|
|      |     |       |                   | No.                           | L                          | B      | D                        |
|      |     |       |                   |                               | Mean gmm in m <sup>2</sup> | Length | Volume in m <sup>3</sup> |
| 1    | 0   | 0.688 |                   |                               |                            |        |                          |
| 2    | 50  | 1.715 | 1.202             | 50                            |                            |        | 60.075 m <sup>3</sup>    |
| 3    | 100 | 0.796 | 1.256             | 50                            |                            |        | 62.775 m <sup>3</sup>    |
| 4    | 150 | 1.060 | 0.928             | 50                            |                            |        | 46.400 m <sup>3</sup>    |
| 5    | 200 | 3.391 | 2.226             | 50                            |                            |        | 111.275 m <sup>3</sup>   |
| 6    | 250 | 2.474 | 3.183             | 50                            |                            |        | 159.125 m <sup>3</sup>   |
| 7    | 300 | 2.825 | 2.900             | 50                            |                            |        | 144.975 m <sup>3</sup>   |
| 8    | 325 | 2.947 | 2.886             | 25                            |                            |        | 72.150 m <sup>3</sup>    |
|      |     |       | Lead upto 1000 m. |                               |                            |        | 656.775 m <sup>3</sup>   |

22/11/21  
01/12/21  
J.E.

1.3.21  
at 2

### Measurement

①/3 Excavation for Roadway

in Soil - rd - by cutting

— do — do — E.I.

Qty of Soil Filling

$$2 \times 4 \times 30 \times 0.375 \times 0.10 = 9.00 \text{ m}^3$$

$$2 \times 1 \times 10 \times 0.375 \times 0.10 = 0.675 \text{ m}^3$$

$$1 \times 1 \times 3.0 \times 2.50 \times 0.1 = 0.75 \text{ m}^3$$

$$1 \times 1 \times 8.0 \times \frac{5.70 + 9.30}{2} \times 0.1 = 6.00 \text{ m}^3$$

$$(A) \quad 16.425 \text{ m}^3$$

$$\text{But cut} = 11.25 \text{ m}^3 (B)$$

②/4 Const. embankment - rd -

Material deposited at side of rd

$$\text{Qty as same as the No ①/3 (B)} = 11.25 \text{ m}^3$$

$$11.25 \text{ m}^3 \times 60\% = 6.75 \text{ m}^3$$

Continuation

| Particulars              | Details of actual measurement |   |   |   | Contents of area |
|--------------------------|-------------------------------|---|---|---|------------------|
|                          | No.                           | L | B | D |                  |
| ③/8 Constructed gutter   |                               |   |   |   |                  |
| Sub: Base - d G.S.B 91-5 |                               |   |   |   |                  |
| — d — d — 41             |                               |   |   |   |                  |

(i) @ 1/8 same as chob ①/3 (A)  
 vide T.M.B R. No. 2 = 16.42 m<sup>3</sup>

|                                       |  |  |  |                      |  |
|---------------------------------------|--|--|--|----------------------|--|
| ⑩ Lat. masonry                        |  |  |  |                      |  |
| for the Conchus - d                   |  |  |  |                      |  |
| 1x 6.0m x 2.0m = 12.00 m <sup>2</sup> |  |  |  |                      |  |
| 1x 8.60 x 1.72 = 14.79 "              |  |  |  |                      |  |
| 1x 7.35 x 1.85 = 13.60 "              |  |  |  |                      |  |
| 2x 5 x 2.0 = 20.00 "                  |  |  |  |                      |  |
| 1x 6.15m x 1.5m = 9.225               |  |  |  |                      |  |
| 2x 4.0m x 2.0m = 10.00 "              |  |  |  |                      |  |
| 1x 2.0m x 0.50m = 1.00 m              |  |  |  |                      |  |
|                                       |  |  |  | 80.61 m <sup>2</sup> |  |

|                                                              |  |  |  |                      |  |
|--------------------------------------------------------------|--|--|--|----------------------|--|
| Volume = 80.61 m <sup>2</sup> x 0.10 m = 8.06 m <sup>3</sup> |  |  |  |                      |  |
| 1x 5x 3.0m x 3.75 x 0.10 = 56.25 m <sup>3</sup>              |  |  |  |                      |  |
| 1x 5m x 3.75m x 0.10m = 1.88 "                               |  |  |  |                      |  |
|                                                              |  |  |  | 82.61 m <sup>3</sup> |  |

|                                                         |  |  |  |                      |  |
|---------------------------------------------------------|--|--|--|----------------------|--|
| ④/5 Building Laying                                     |  |  |  |                      |  |
| for the wall and Carpathy                               |  |  |  |                      |  |
| of W.B.M 91-3 - d ch                                    |  |  |  |                      |  |
| 1x 10m x $\frac{10+4}{2}$ x 0.075 = 5.25 m <sup>3</sup> |  |  |  |                      |  |
| 1x 20 x 3.75m x 0.075m = 5.63 "                         |  |  |  |                      |  |
| 1x 8x 30m x 4.05m x 0.075 = 72.90 "                     |  |  |  |                      |  |
| 1x 5m x 4.5m x 0.075 = 1.68 "                           |  |  |  |                      |  |
| 1x 11m x $\frac{5.70+9.30}{2}$ x 0.075 = 6.18           |  |  |  |                      |  |
| 2x 3x 3m x 0.075 = 1.35 m <sup>3</sup>                  |  |  |  |                      |  |
|                                                         |  |  |  | 93.00 m <sup>3</sup> |  |

Continuation

| Particulars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Details of actual measurement |   |   |   | Contents of area |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---|---|---|------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | No.                           | L | B | D |                  |
| ⑤/12 <u>Bricklaying and tiling</u><br>of typical M.M.G.S.Y<br>informatory sign<br>Board - d. 215<br>$1 \times 2 = 2 \text{ Nos}$                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |   |   |   |                  |
| ⑥ <u>Concrete of</u><br><u>curb and shoulder</u><br>$2 \times 10 \text{ m} \times 0.50 \text{ m} \times 0.10 \text{ m} = 1.00 \text{ M}^3$<br>$1 \times 8 \times 30 \text{ m} \times 0.50 \text{ m} \times 0.20 \text{ m} = 24.00$<br>$1 \times 12 \text{ m} \times 1.50 \text{ m} \times 0.20 \text{ m} = 2.40$<br>$1 \times 2 \times 25 \text{ m} \times 1.00 \text{ m} \times 0.20 \text{ m} = 10.00$<br><u>37.40 M<sup>3</sup></u><br><u>Lead 100 m - 20.11 M<sup>3</sup></u><br><u>Lead 100 m - 17.27 M<sup>3</sup></u><br><u>013/21</u><br><u>5.3</u><br><u>1.3.2</u><br><u>17</u> |                               |   |   |   |                  |
| <u>2.6 m A.C. Bull</u><br><u>Abstraction of Cost</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |   |   |   |                  |
| ①/2 <u>cleared Grubbing</u><br><u>road lead - d. 215</u><br><u>Qty in d. T.M.B. P. No ①</u><br>$= 0.23 \text{ Kwhr}$                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                               |   |   |   |                  |
| ② $51133 = 76 / \text{Kwhr} \times 11761 = 6$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                               |   |   |   |                  |
| ③ <u>Bricklaying - d. d.</u><br><u>B.M. Casing - d. 215</u><br><u>Qty in d. T.M.B. P. No ②</u><br>$= 16.42 \text{ M}^3$<br><u>But x 11.75 M<sup>3</sup></u><br><u>74 = 16 M<sup>3</sup> - R. 334 =</u>                                                                                                                                                                                                                                                                                                                                                                                   |                               |   |   |   |                  |

Continuation



| Particulars                                   | Details of actual measurement |   |   |   | Contents of area |
|-----------------------------------------------|-------------------------------|---|---|---|------------------|
|                                               | No.                           | L | B | D |                  |
| ④ Construction of embankment - d - Mchul      |                               |   |   |   |                  |
| depth of side - d                             |                               |   |   |   |                  |
| Qty of T.M.B.R. (2)                           |                               |   |   |   |                  |
| = 6.75 m <sup>3</sup>                         |                               |   |   |   |                  |
| @ 26 = 11/m <sup>3</sup> - R.                 |                               |   |   |   | 176 = 0          |
| ⑤ Construction of embankment - d - borrow pit |                               |   |   |   |                  |
| - d - d - R.I.                                |                               |   |   |   |                  |
| Qty of T.M.B.R. (2)                           |                               |   |   |   |                  |
| width 1000m 65% 77.5 m <sup>3</sup>           |                               |   |   |   |                  |
| @ 174 = 94/m <sup>3</sup> - R.                |                               |   |   |   | 14896 = 0        |
| ⑥/⑦ Filling of embankment of embankment       |                               |   |   |   |                  |
| Qty of T.M.B.R. (4)                           |                               |   |   |   |                  |
| width 1000m                                   |                               |   |   |   |                  |
| = 20.11 m <sup>3</sup>                        |                               |   |   |   |                  |
| @ 176 = 58/m <sup>3</sup> - R.                |                               |   |   |   | 3551 = 0         |
| ⑦ Construction of embankment - d - R.I.       |                               |   |   |   |                  |
| Qty of T.M.B.R. (4)                           |                               |   |   |   |                  |
| width 100m = 17.29 m <sup>3</sup>             |                               |   |   |   |                  |
| @ 141 = 17/m <sup>3</sup> - R.                |                               |   |   |   | 2441 = 0         |
| ⑧ Construction of G.S.B.R. - 1                |                               |   |   |   |                  |
| - d - R.I.                                    |                               |   |   |   |                  |
| Qty of T.M.B.R. (3)                           |                               |   |   |   |                  |
| = 82.61 m <sup>3</sup>                        |                               |   |   |   |                  |
| @ 2440 = 46/m <sup>3</sup> - R.               |                               |   |   |   | 201606 = 0       |
| ⑨ Filling of embankment - d - d - R.I.        |                               |   |   |   |                  |
| Qty of T.M.B.R. (3) = 93.00 m <sup>3</sup>    |                               |   |   |   |                  |
| @ 3528 = 0.3/m <sup>3</sup>                   |                               |   |   |   | 3,28106 = 0      |

Continuation

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Scanned with CamScanner