

1990 Sachin K. Singh

Khadda Jeebhari 14th December 2015

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E.E. R.D. with Arrangabad.

DIVISION

A.E. D.C.

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116/2831

Certified That This M.B. Contn (100)  
Pages By Printing & Issued  
To Sri. Bahar Ram A.E. R.W.D.  
k Sub-Div. Deo

Yash  
10/7/20

Executive Engineer

Rural Works Department

Work Division Aurangabad

10/7/20

Schedule XLV - Form No. 124.

EE. A. E. D.

DIVISION.

A.E. Deo

SUB-DIVISION.

MEASUREMENT BOOK

2831

211516

Ki Bahar Ram A.E.

Deo

(These four lines should be included at the commencement of the measurement of each work)

| Particulars                              | Details of actual measurement |   |   |   | Contents Area   |
|------------------------------------------|-------------------------------|---|---|---|-----------------|
|                                          | No                            | L | B | D |                 |
| <u>IST ON A/C bill</u>                   |                               |   |   |   |                 |
| <u>Name of Work - To 4 Khakhra</u>       |                               |   |   |   |                 |
| <u>Jeevan bigha Rd. To Daudhari</u>      |                               |   |   |   |                 |
| <u>10 La</u>                             |                               |   |   |   |                 |
| <u>Name of Agency - Sachin Kr. Singh</u> |                               |   |   |   |                 |
| <u>Agreement No - 153 SP/2020-21</u>     |                               |   |   |   |                 |
| <u>Date of Work Start -</u>              |                               |   |   |   | <u>25/07/20</u> |
| <u>Date of Completion -</u>              |                               |   |   |   | <u>26/06/21</u> |
|                                          |                               |   |   |   |                 |
|                                          |                               |   |   |   |                 |

(1) & Cleaning & Rubbing  
Road Land etc.

$$2 \times 30 \text{ M} \times 30 \text{ M} \times 3.50 = 6300 \text{ M}^2$$

$$6300 \text{ M}^2 / 10000 = 0.63 \text{ Hect}$$

(2) Box cutting for Roadway

$$2 \times 16 \times 30 \times 0.525 \times 0.100 \text{ M} = 50.4 \text{ M}^3$$

$$2 \times 1 \times 20 \times 0.525 \times 0.100 \text{ M} = 2.1 \text{ M}^3$$

$$2 \times 2 \times 30 \times 3.75 \times 0.100 = 4.5$$

$$2 \times 20 \times 20 \times 3.75 \times 0.100 = 1.5$$

$$58.5 \text{ M}^3$$

(3) Providing & fixing Logo board = 04 No

| Particulars                | Details of actual measurement |       |     |   | Contents of area    |
|----------------------------|-------------------------------|-------|-----|---|---------------------|
|                            | No.                           | L     | B   | D |                     |
| (4) Setting out Pillars    |                               |       |     |   |                     |
| (a) bench mark             |                               |       |     | = | 01 No.              |
| (b) reference pillars      |                               |       |     | = | 03 No.              |
| (5) Count of embankment    |                               |       |     |   |                     |
| 60% of 58.5 m <sup>3</sup> |                               |       |     | = | 35.1 m <sup>3</sup> |
| (6) Count of Embankment    |                               |       |     |   |                     |
| Chearinge (M)              |                               | Area  |     |   | Volume              |
|                            |                               | 1-1   | 2-2 |   | m <sup>3</sup>      |
| 0                          |                               | 5.098 |     |   |                     |
| 50                         |                               | 5.712 |     |   | 270.330             |
| 100                        |                               | 5.961 |     |   | 291.900             |

|     |       |          |
|-----|-------|----------|
| 150 | 5.929 | 297.230  |
| 200 | 5.750 | 291.970  |
| 250 | 5.771 | 288.030  |
| 300 | 5.498 | 281.720  |
| 350 | 5.586 | 277.100  |
| 400 | 5.107 | 267.320  |
| 450 | 5.771 | 271.940  |
| 500 | 4.408 | 254.460  |
| 550 | 4.197 | 215.120  |
| 600 | 3.959 | 203.910  |
| 650 | 3.929 | 197.200  |
| 700 | 3.753 | 192.050  |
| 750 | 3.717 | 186.740  |
| 800 | 3.739 | 186.380  |
| 850 | 3.763 | 187.540  |
| 900 | 3.762 | 188.120  |
|     |       | 4349.060 |

| Particulars | Details of actual measurement |   |   |   | Contents of area |
|-------------|-------------------------------|---|---|---|------------------|
|             | No.                           | L | B | D |                  |

(a) For 1000 m Level  
Allowed

$$21.61\% \text{ of Total Qty } 4349.06 = 939.92 \text{ M}^3$$

(b) For 100 M Level  
Allowed

$$45.98\% \text{ of Total Qty } 4349.06 \text{ M}^3 = 1999.70 \text{ M}^3$$

(c) Cont. of Sub Grade

$$2 \times 16 \times 30 \times 1.182 \times .75 = 85.104$$

$$2 \times 1 \times 20 \times 1.182 \times .75 = 3.546$$

$$2 \times 16 \times 30 \times 1.388 \times .20 = 266.496$$

$$2 \times 1 \times 20 \times 1.388 \times .20 = 11.104$$

$$2 \times 13 \times 30 \times .375 \times .160 = 46.8$$

$$2 \times 10 \times 10 \times .375 \times .160 = 1.2$$

$$2 \times 13 \times 30 \times .375 \times .075 = 21.9375$$

$$2 \times 1 \times 10 \times .375 \times .075 = 0.5625$$

$$2 \times 13 \times 30 \times .375 \times .100 = 29.25$$

$$2 \times 1 \times 10 \times .375 \times .100 = 0.75$$

Continuation

$$\text{Limit} = 466.71 \text{ M}^3$$

| Particulars                                           | Details of actual measurement |   |   |   | Contents of area                                         |
|-------------------------------------------------------|-------------------------------|---|---|---|----------------------------------------------------------|
|                                                       | No                            | L | B | D |                                                          |
| (8) Comp. of Granite - I<br>H.P. Culvert (600 mm dia) |                               |   |   |   |                                                          |
| (9) Fast work excavation for<br>Foundation            |                               |   |   |   |                                                          |
|                                                       |                               |   |   |   | $3 \times 2 \times 3.900 \times 1.15 \times 1.5 = 40.36$ |
|                                                       |                               |   |   |   | $3 \times 1 \times 5.35 \times 1.13 \times 0.35 = 6.61$  |
|                                                       |                               |   |   |   | 46.97 m <sup>3</sup>                                     |
| (9) Providing M15 RCC                                 |                               |   |   |   |                                                          |
|                                                       |                               |   |   |   | $3 \times 2 \times 3.91 \times 1.15 \times 1.5 = 40.3$   |
|                                                       |                               |   |   |   | $3 \times 1 \times 5.31 \times 1.13 \times 0.25 = 4.50$  |
|                                                       |                               |   |   |   | 8.53                                                     |
| (10) Providing Cement Concrete<br>M20 Sub Structure   |                               |   |   |   |                                                          |
|                                                       |                               |   |   |   | $3 \times 2 \times 3.6 \times 7 \times 2.78 = 42.03$     |
|                                                       |                               |   |   |   | $3 \times 2 \times 3.6 \times 4 \times 6 = 5.18$         |
|                                                       |                               |   |   |   | $3 \times 2 \times 7.8 \times 8.3 \times 5.3 = 12.05$    |
|                                                       |                               |   |   |   | 45.16 m <sup>3</sup>                                     |
| (11) Providing Laying RCC<br>Pipe NPS 600 mm dia      |                               |   |   |   |                                                          |
|                                                       |                               |   |   |   | $3 \times 3 \times 2.50 = 22.50 \text{ m}$               |
| (12) Comp. of Granular Sub<br>Base Grade - I          |                               |   |   |   |                                                          |
| Port Pack Material                                    |                               |   |   |   |                                                          |
|                                                       |                               |   |   |   | $2 \times 5 \times 2 \text{ m}^2 = 20 \text{ m}^2$       |
|                                                       |                               |   |   |   | $3 \times 5 \times 2 \text{ m}^2 = 30 \text{ m}^2$       |

Continuation

Sch. XLV-Form No. 134

| Particulars                                      | Details of actual measurement |   |     |   | Contents of area                 |
|--------------------------------------------------|-------------------------------|---|-----|---|----------------------------------|
|                                                  | No.                           | L | B   | D |                                  |
|                                                  |                               |   | B/H |   | 50 m <sup>2</sup>                |
| 4 X 5 X 2                                        |                               |   |     | = | 40 m <sup>2</sup>                |
| 6 X 5 X 2.75                                     |                               |   |     | = | 82.5 m <sup>2</sup>              |
| 7 X 5 X 2.50                                     |                               |   |     | = | 87.5 m <sup>2</sup>              |
| 0.5 X 4 X 2.80                                   |                               |   |     | = | <del>56</del> 5.6 m <sup>2</sup> |
| 1 X 7 X 3                                        |                               |   |     | = | 21 m <sup>2</sup>                |
|                                                  |                               |   |     |   | 337 m <sup>2</sup>               |
| 33.7 m <sup>2</sup> X 0.100 m <sup>2</sup> (10%) |                               |   |     | = | 33.7 m <sup>3</sup>              |
| (c) B.T. Portion                                 |                               |   |     |   |                                  |
| 2 X 16 X 30 X 0.525 X 1                          |                               |   |     | = | 50.4 m <sup>3</sup>              |
| 2 X 10 X 0.525 X 1                               |                               |   |     | = | 1.05 m <sup>3</sup>              |
| 1 X 16 X 30 X 1.050 X 1                          |                               |   |     | = | 194.4 m <sup>3</sup>             |
| 1 X 1 X 10 X 4.050 X 1                           |                               |   |     | = | 4.05 m <sup>3</sup>              |
| 1 X 12 X 6 X 1.05 X 1                            |                               |   |     | = | 5.11 m <sup>3</sup>              |
| (b) P.C.C. Portion                               |                               |   |     |   |                                  |
| 1 X 10 M X 30 M X 3.75 X 0.1                     |                               |   |     | = | 112.5 m <sup>3</sup>             |
| 1 X 20 M X 3.75 X 0.100                          |                               |   |     | = | 7.5 m <sup>3</sup>               |
| 2 X 2 X 30 X 3.75 X 1.00                         |                               |   |     | = | 4.5 m <sup>3</sup>               |
| 2 X 20 M X 3.75 X 1.00                           |                               |   |     | = | 1.5 m <sup>3</sup>               |
|                                                  |                               |   |     |   | 414.71 m <sup>3</sup>            |
| (13) Const. of Embankment                        |                               |   |     |   |                                  |
| 60% of 55.50 m <sup>2</sup>                      |                               |   |     | = | 33.30 m <sup>3</sup>             |
| Providing & Laying Condo.                        |                               |   |     |   |                                  |
| - chng of 40.5 m (100%)                          |                               |   |     |   |                                  |
| 3 X 30 X 3.75 X 0.075                            |                               |   |     | = | 25.31 m <sup>3</sup>             |
| 1 X 10 X 3.75 X 0.075                            |                               |   |     | = | 2.81 m <sup>3</sup>              |
|                                                  |                               |   |     |   | 28.12 m <sup>3</sup>             |
| Portion                                          |                               |   |     |   |                                  |
| 25/10/20                                         |                               |   |     |   |                                  |
| 5. Edlee                                         |                               |   |     |   |                                  |

Continuation

# ABSTRACT OF COST

Sch. XIV Form No. 134

| Particulars                          | Details of actual measurement |   |   |   | Quantity of area   |
|--------------------------------------|-------------------------------|---|---|---|--------------------|
|                                      | No.                           | L | B | D |                    |
| (1) Cleaning & Grubbing Road<br>Land |                               |   |   |   |                    |
| Qty vide Memo P/1                    |                               |   |   |   |                    |
| 0.65 Hect                            |                               |   |   |   |                    |
| @ Rs 51135.716 / Hect                |                               |   |   |   | Rs 32214.00        |
| (2) Box cutting for Road             |                               |   |   |   |                    |
| Qty vide Memo P/1                    |                               |   |   |   |                    |
| 58.5 m <sup>3</sup>                  |                               |   |   |   |                    |
| @ Rs 74.16 / m <sup>3</sup>          |                               |   |   |   | Rs 4338.00         |
| (3) Providing & fixing<br>Logo Board |                               |   |   |   |                    |
| 04 No                                |                               |   |   |   |                    |
| @ Rs 9215.83 / No                    |                               |   |   |   | Rs 36855.00        |
| (4) Setting out Pillars              |                               |   |   |   |                    |
| (a) Bench mark                       |                               |   |   |   |                    |
| 1 No @ Rs 3894.44 / No               |                               |   |   |   | Rs 3894.00         |
| (b) reference pillars                |                               |   |   |   |                    |
| 03 No @ Rs 1763.31 / No              |                               |   |   |   | Rs 5290.00         |
| (5) Const of Embankment              |                               |   |   |   |                    |
| 60% of 58.5 m <sup>3</sup>           |                               |   |   |   |                    |
| 35.10 m <sup>3</sup>                 |                               |   |   |   |                    |
| @ Rs 26.11 / m <sup>3</sup>          |                               |   |   |   | Rs 916.00          |
|                                      |                               |   |   |   | <u>Rs 83507.00</u> |

Continuation



Sch. XLV-Form No. 134 - 8

| Particulars                      | Details of actual measurement |   |        |   | Contents of area |
|----------------------------------|-------------------------------|---|--------|---|------------------|
|                                  | No.                           | L | B      | D |                  |
|                                  |                               |   | B/f RA |   | 889603=          |
| (11) Providing & laying RCC      |                               |   |        |   |                  |
| pipe N/A pipe 600MM              |                               |   |        |   |                  |
| 22.5 M                           |                               |   |        |   |                  |
| @ RA 959.32/m - RA               |                               |   |        |   | 21585=           |
|                                  |                               |   |        |   |                  |
| (12) Cont. of G.S.B              |                               |   |        |   |                  |
| 414.71 M <sup>3</sup>            |                               |   |        |   |                  |
| @ RA 2351.36/m <sup>3</sup> - RA |                               |   |        |   | 975133=          |
|                                  |                               |   |        |   |                  |
| (13) Providing & laying          |                               |   |        |   |                  |
| W.B.M 1000                       |                               |   |        |   |                  |
| 28.12 m <sup>2</sup>             |                               |   |        |   |                  |

|                                  |           |
|----------------------------------|-----------|
| @ RA 3365.77/m <sup>3</sup> - RA | 94645=    |
|                                  | 198096620 |
| Add 13% (G.S.T + C.C) +          | 25752620  |
|                                  | 2238492=  |
| Less 24.45 below                 | 55850420  |
|                                  | 1679988=  |
| (-) 54731120                     |           |
| Net Payable Amt. -               | 169118120 |

P. M. K. S. / 20  
 25/10/20  
 J. E. d. d.  
 28.6.2  
 A. E.  
 C. S. P.  
 21/7/21