

Ag: RAJEEV KUMAR

Agri 67 (SBD) / 2020-21

Tammi-Kharagpur PWD to  
Chak Tata Bhadrasaiga. Road.

Schedule XLV-Form No. 134

Head-MM (Grass)

R. W. D (W) - Jamui

DIVISION

Barhat

SUB-DIVISION

MEASUREMENT BOOK

MB.No.2807.

1st on a/c Bill

Construction of rd. from  
Jamui-Kharagpur FWD to  
Chak Tola Bhadwasiya

Name of work - Block: Barhat (MMSV)

Situation of work -

Agency by which work is executed Rajeev Kumar

Date of measurement - 26-9-2021

No. and date of agreement 67600/2020-21

(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        |                  |
| (1) Ag. Value Const cost         |                               |   |   |          | 27890211/-       |
| 2 working Bench Mark             |                               |   |   |          | 4214752/-        |
| 2 reference pillars              |                               |   |   |          | 32104963/-       |
| do - all complete.               |                               |   |   |          |                  |
| 17x30.0                          |                               |   |   | = 510    |                  |
| 12x30.0                          |                               |   |   | = 360    |                  |
| 13x30.0                          |                               |   |   | = 390    |                  |
| 25x30.0                          |                               |   |   | = 750    |                  |
| 16x30.0                          |                               |   |   | = 480    |                  |
| 1x30.0                           |                               |   |   | = 30     |                  |
| 25x30.0                          |                               |   |   | = 750    |                  |
| 18x30.0                          |                               |   |   | = 540    |                  |
| 22x30.0                          |                               |   |   | = 660    |                  |
| 18x30.0                          |                               |   |   | = 540    |                  |
| 1x10.0                           |                               |   |   | = 10     |                  |
| L =                              |                               |   |   | 5000.0M  | = 5.0KM.         |
| (2) Clearing & grubbing rd. land |                               |   |   |          |                  |
| do - all complete & job          |                               |   |   |          |                  |
| 17x30.0 x 3.50                   |                               |   |   | = 1785.0 |                  |
| 12x30.0 x 3.50                   |                               |   |   | = 1260.0 |                  |
| 13x30.0 x 3.50                   |                               |   |   | = 1365.0 |                  |
| 25x30.0 x 3.50                   |                               |   |   | = 2625.0 |                  |
| 16x30.0 x 3.50                   |                               |   |   | = 1680.0 |                  |
| 1x10.0 x 3.50                    |                               |   |   | = 35.0   |                  |
| 25x30.0 x 3.50                   |                               |   |   | = 2625.0 |                  |
| 18x30.0 x 3.50                   |                               |   |   | = 1890.0 |                  |
| 22x30.0 x 3.50                   |                               |   |   | = 2310.0 |                  |
| 18x30.0 x 3.50                   |                               |   |   | = 1890.0 |                  |
| 1x10.0 x 3.50                    |                               |   |   | = 35.0   |                  |
|                                  |                               |   |   |          | 17500.0M         |

L=5000M

Continuation  
i.e., 17500 - 10,000

= 1.75 km.

## Sch.XLV-Form No. 134

| Sch. XLV-Form No. 134 |                                          |                |    |    |                      |
|-----------------------|------------------------------------------|----------------|----|----|----------------------|
| Particulars           | Details of actual measurement            |                |    |    | Contents of area     |
|                       | No.                                      | L.             | B. | D. |                      |
| ② E/W                 | Const <sup>n</sup>                       | sub embankment |    |    |                      |
| ③                     | with materials                           |                |    |    |                      |
|                       | obtained from borrow                     |                |    |    |                      |
|                       | pits — do —                              |                |    |    |                      |
|                       | all complete                             |                |    |    |                      |
|                       | $2 \times 5000 \times 1.0 \times 0.20 =$ |                |    |    | $2000.0 \text{ m}^3$ |
| for 1000 m            | lead                                     |                |    |    | ①                    |
|                       | $4\% \text{ of } 2000 \text{ m}^3$       |                |    |    | $= 80.0 \text{ m}^3$ |
|                       | Total =                                  |                |    |    | $76.07 \text{ m}^3$  |
| ④                     | Construction of embankment               |                |    |    |                      |
| ⑤                     | with approved                            |                |    |    |                      |
|                       | materials — do                           |                |    |    |                      |
|                       | all complete job                         |                |    |    |                      |

Qty. wide for B for ②

of iden  $(3/2) = 2000 \text{ m}^3$ for 1000 m lead  $96\% \text{ of } 2000 \text{ m}^3 = 1920.0 \text{ m}^3$ 

|   |                          |               |                 |           |  |
|---|--------------------------|---------------|-----------------|-----------|--|
| ⑤ | Construction of Subgrade |               |                 |           |  |
| ⑥ | with approved material   |               |                 |           |  |
|   | do — all complete job.   |               |                 |           |  |
|   | $13 \times 30.0$         | $\times 7.80$ | $\times 0.30 =$ | $912.60$  |  |
|   | $1 \times 20.0$          | $\times 7.80$ | $\times 0.30 =$ | $46.80$   |  |
|   | $16 \times 30.0$         | $\times 7.80$ | $\times 0.30 =$ | $1123.20$ |  |
|   | $1 \times 10.0$          | $\times 7.80$ | $\times 0.30 =$ | $23.40$   |  |
|   | $25 \times 30.0$         | $\times 7.80$ | $\times 0.30 =$ | $1755.0$  |  |
|   | $18 \times 30.0$         | $\times 7.80$ | $\times 0.30 =$ | $1263.60$ |  |
|   | $22 \times 30.0$         | $\times 7.80$ | $\times 0.30 =$ | $1544.40$ |  |
|   | $18 \times 30.0$         | $\times 7.80$ | $\times 0.30 =$ | $1263.60$ |  |
|   | $1 \times 10.0$          | $\times 7.80$ | $\times 0.30 =$ | $23.40$   |  |

L=3400m

7956.0 m<sup>3</sup>

Continuation

| Particulars                                                                                                                                              | Details of actual measurement |      |      |      | Contents of area      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------|------|------|-----------------------|
|                                                                                                                                                          | No.                           | L.   | B.   | D.   |                       |
| $\left(\frac{6}{1}\right)$ G880-1<br>Construction of granules<br>sub-base by providing<br>well grade materials<br>- do - all complete<br>job as per E.D. |                               |      |      |      |                       |
| BT.                                                                                                                                                      | 13                            | 30.0 | 4.05 | 0.20 | 315.90                |
|                                                                                                                                                          | 1                             | 20.0 | 4.05 | 0.20 | 16.20                 |
|                                                                                                                                                          | 16                            | 30.0 | 4.05 | 0.20 | 388.80                |
|                                                                                                                                                          | 1                             | 10.0 | 4.05 | 0.20 | 8.10                  |
|                                                                                                                                                          | 25                            | 30.0 | 4.05 | 0.20 | 607.50                |
|                                                                                                                                                          | 18                            | 30.0 | 4.05 | 0.20 | 437.40                |
|                                                                                                                                                          | 22                            | 30.0 | 4.05 | 0.20 | 534.60                |
|                                                                                                                                                          | 18                            | 30.0 | 4.05 | 0.20 | 437.40                |
|                                                                                                                                                          | 1                             | 10.0 | 4.05 | 0.20 | 8.10                  |
| L = 3400 m                                                                                                                                               |                               |      |      |      | 2954.0 m <sup>3</sup> |
| $\left(\frac{7}{12}\right)$ G880-1<br>Construction of granules<br>sub-base by providing<br>well grade materials<br>- do - all complete job.              |                               |      |      |      |                       |
| c.c                                                                                                                                                      | 17                            | 30.0 | 3.75 | 0.10 | 191.25                |
|                                                                                                                                                          | 12                            | 30.0 | 3.75 | 0.10 | 135.00                |
|                                                                                                                                                          | 13                            | 30.0 | 3.75 | 0.10 | 146.25                |
|                                                                                                                                                          | 14                            | 30.0 | 3.75 | 0.10 | 123.75                |
|                                                                                                                                                          | 1                             | 10.0 | 3.75 | 0.10 | 3.75                  |
| L = 1600 m                                                                                                                                               |                               |      |      |      | 600.0 m <sup>3</sup>  |

| Particulars                                          | Details of actual measurement |       |       |      | Contents of area |
|------------------------------------------------------|-------------------------------|-------|-------|------|------------------|
|                                                      | No.                           | L.    | B.    | D.   |                  |
| (11/32) H.P. wall<br>in excavation<br>in foundation. |                               |       |       |      |                  |
| H/w                                                  | 8x2x                          | 6.45x | 1.4x  | 1.50 | 216.72           |
| Below pipe                                           | 8x1x                          | 4.85x | 1.53x | 0.36 | 21.67            |
|                                                      |                               |       |       |      | 238.39           |
|                                                      |                               |       |       | Liml | 238.38<br>M3     |

|                                                                   |      |       |       |      |             |
|-------------------------------------------------------------------|------|-------|-------|------|-------------|
| (12/33) Providing Rec-M-15<br>in foundation<br>do - all complete. |      |       |       |      |             |
| H/w                                                               | 8x2x | 6.45x | 1.40x | 0.15 | = 21.67     |
| Below pipe                                                        | 8x1x | 4.93x | 1.53x | 0.25 | = 15.09     |
|                                                                   |      |       |       |      | 36.76<br>M3 |

|                                                                     |                                                              |                  |                                             |                   |              |
|---------------------------------------------------------------------|--------------------------------------------------------------|------------------|---------------------------------------------|-------------------|--------------|
| (13/34) Plain/Rec in M-20 in<br>Sub-structure<br>do - all complete. |                                                              |                  |                                             |                   |              |
| H/w                                                                 | 8x2x                                                         | 6.15x            | $\frac{1.25+0.14}{2}$                       | x 3.18            | = 258.15     |
| Parapet                                                             | <del>8x2x</del>                                              | <del>6.15x</del> | <del><math>\frac{1.25+0.14}{2}</math></del> | <del>x 3.18</del> | <del>=</del> |
|                                                                     | 8x2x                                                         | 6.15x            | 0.40x                                       | 1.0               | = 39.36      |
|                                                                     |                                                              |                  |                                             |                   | 297.51       |
| W/h for H.P.<br>head                                                | $2 \times 8 \times \frac{1}{4} \times (1.23)^2 \times 0.622$ |                  |                                             |                   | = 11.84      |
|                                                                     |                                                              |                  |                                             |                   | 5.92         |
|                                                                     |                                                              |                  |                                             |                   | 285.67<br>M3 |

|                                                                      |      |      |  |  |         |
|----------------------------------------------------------------------|------|------|--|--|---------|
| (14/35) Providing & laying Rec H.P.<br>of 1000 mm do - all complete. |      |      |  |  |         |
|                                                                      | 8x3x | 2.50 |  |  | = 60.04 |

26.9.21  
JC

Continuation

26/9/21  
AC

# ABSTRACT OF COST (1st Bill).

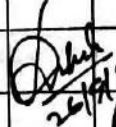
6

Sch. XLV-Form No. 134

| Particulars                                              | Details of actual measurement |    |    |    | Contents of area |
|----------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                          | No.                           | L. | B. | D. |                  |
| ① Providing & laying Base coat<br>Qty. vide TMB Page ①   |                               |    |    |    |                  |
| 5.2 km CR 33077.52 km = R                                |                               |    |    |    | 165,388 =        |
| ② Cleaning & grubbing soil.<br>Qty. vide TMB Page ①      |                               |    |    |    |                  |
| 1.75 Hrs CR 51133.76 Hrs = R                             |                               |    |    |    | 89,484 =         |
| ③ Construction of Embankment.<br>Qty. vide TMB Page ②    |                               |    |    |    |                  |
| 76.07 m <sup>3</sup> CR 175.22 / m <sup>3</sup> = R      |                               |    |    |    | 13329 =          |
| ④ Construction of Embankment<br>Qty. vide TMB Page ②     |                               |    |    |    |                  |
| 1920.0 m <sup>3</sup> CR 135.12 / m <sup>3</sup> = R     |                               |    |    |    | 2,59,430 =       |
| ⑤ Construction of Subgrade.<br>Qty. vide TMB Page ②      |                               |    |    |    |                  |
| 7956.0 m <sup>3</sup> CR 176.86 / m <sup>3</sup> = R     |                               |    |    |    | 14,07,098 =      |
| ⑥ Construction of GSB for<br>Qty. vide TMB Page ③        |                               |    |    |    |                  |
| 2754.0 m <sup>3</sup> CR 1773.98 / m <sup>3</sup> = R    |                               |    |    |    | 48,85,541 =      |
| ⑦ Construction of GSB for<br>Qty. vide TMB Page ③        |                               |    |    |    |                  |
| 600.0 m <sup>3</sup> CR 1773.98 / m <sup>3</sup> = R     |                               |    |    |    | 10,64,388 =      |
| ⑧ Providing water for<br>Qty. vide TMB Page ④            |                               |    |    |    |                  |
| 1125.01 m <sup>3</sup> CR 2347.65 / m <sup>3</sup> = R   |                               |    |    |    | 26,41,130 =      |
| ⑨ Providing & laying 300 mm H.P.<br>Qty. vide TMB Page ④ |                               |    |    |    |                  |
| 127.50 m CR 1589.48 m = R                                |                               |    |    |    | 2,02,659 =       |

Continuation

R 1,07,28,447 =

| Sch. XLV-Form No. 134                                                                         |                               |    |    |                                                                                                        | Contents of area |
|-----------------------------------------------------------------------------------------------|-------------------------------|----|----|--------------------------------------------------------------------------------------------------------|------------------|
| Particulars                                                                                   | Details of actual measurement |    |    |                                                                                                        |                  |
|                                                                                               | No.                           | L. | B. | D.                                                                                                     |                  |
| (10/30) Provisional forming masonry large base<br>Qty. under TMB Page (7)                     |                               |    |    |                                                                                                        |                  |
| 2 no. @ Rs 9366.87 each = Rs                                                                  |                               |    |    |                                                                                                        | 18,734 =         |
| (11/32) E/W in excavation in front<br>Qty. under TMB Page (5)                                 |                               |    |    |                                                                                                        |                  |
| 238.38 M <sup>3</sup> CR 294.73 / m <sup>3</sup> = Rs                                         |                               |    |    |                                                                                                        | 70,258 =         |
| (12/33) Provisional Rec-M-15 in front<br>Qty. under TMB Page (5)                              |                               |    |    |                                                                                                        |                  |
| 36.76 m <sup>3</sup> CR 5029.48 / m <sup>3</sup> = Rs                                         |                               |    |    |                                                                                                        | 1,84,884 =       |
| (13/34) Plain Rec-M-20 in Sub-structure<br>Qty. under TMB Page (5)                            |                               |    |    |                                                                                                        |                  |
| 285.67 M <sup>3</sup> CR 6183.08 / m <sup>3</sup> = Rs                                        |                               |    |    |                                                                                                        | 17,66,320 =      |
| (14/35) Provisional & laying 1000 mm H.P<br>Qty. under TMB Page (5)                           |                               |    |    |                                                                                                        |                  |
| 60.0 M @ Rs 3430.60 / M = Rs                                                                  |                               |    |    |                                                                                                        | 2,05,836 =       |
|                                                                                               |                               |    |    |                                                                                                        | 1,29,74,479 =    |
| Add 12 1/2% GST                                                                               |                               |    |    | (+) Rs                                                                                                 | 15,56,937 =      |
| Add 1% Labour Cost                                                                            |                               |    |    | (+) Rs                                                                                                 | 12,97,450 =      |
|                                                                                               |                               |    |    |                                                                                                        | 14,66,116 =      |
| Less 10% as per agreement                                                                     |                               |    |    | (-) Rs                                                                                                 | 14,66,116 =      |
| Comp<br>30/9/21                                                                               |                               |    |    |                                                                                                        | Rs 1,31,95,045 = |
| <br>26.9.21 |                               |    |    | <br>26/9/21<br>A.E. |                  |

5C