

Khizer Sarai Keni Road to  
Kaith Bigha

SC

Schedule XLV-Form No. 134

Raj Sharma, DIVISION  
SUB-DIVISION

m.m.l.o.s.

MEASUREMENT BOOK

930

Sch. XLV - Form No. 134

\_\_\_\_\_ DIVISION

\_\_\_\_\_ SUB-DIVISION

# Measurement Book

प्रमाणित किया जाता है कि No. ....

इस मापन पुस्त में कुल १३० ....

पृष्ठ आंकृत है, जिसे श्री ....

... .. व. नोय अभियंता को

निर्गत किया जाता है।

Name of Officer \_\_\_\_\_

Date of first entry \_\_\_\_\_

Date of last entry \_\_\_\_\_

**Executive Engineer**

**Rural Work Department**

**Work Division Neemchak**

**Bathani (Gaya)**

16/7/20

# ABSTRACT OF COST

13

Sch. XLV-Form No. 134

| Particulars                                                                                                                    | Details of actual measurement |    |    |    | Contents of area |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                                                                                | No.                           | L. | B. | D. |                  |
| (1) Construction of B.M<br>& R.P                                                                                               |                               |    |    |    |                  |
| (i) Construction of Reference<br>1<br>& working B.M<br>Vidh. T.M.B P-1<br>Qty 0.821 Km<br>@ 4771.68 = RS 3918.00               |                               |    |    |    |                  |
| (ii)<br>(2) Construction of R.P<br>Vidh. T.M.B P-1<br>Qty 0.821 Km<br>@ 3208.10 = RS 2634.00                                   |                               |    |    |    |                  |
| (2) Clearing & grubbing<br>load land<br>Vidh. T.M.B P-3<br>Qty 0.53 Hec<br>@ 51161.75 = RS 27116.00                            |                               |    |    |    |                  |
| (3) Laying CC pipe 100mm<br>40m @ 735.87 = RS 29435.00                                                                         |                               |    |    |    |                  |
| (4) Sign board<br>2 nos @ 9331.76 = 18664.00                                                                                   |                               |    |    |    |                  |
| (3) Construction of<br>Sub-grade & earth<br>shoulder<br>Vidh. T.M.B P-3<br>Qty 313.5 m <sup>3</sup><br>@ 183.51 = RS 167636.00 |                               |    |    |    |                  |

Continuation RS 249403.00

| Particulars                                                      | Details of actual measurement |    |    |    | Contents of area |
|------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                  | No.                           | L. | B. | D. |                  |
| (6) construction of<br>W.B.M. - do - all<br>completed job        |                               |    |    |    |                  |
| Width MBP-6                                                      |                               |    |    |    |                  |
| Qty 537.22 m <sup>3</sup>                                        |                               |    |    |    |                  |
| @ 1478.75 m <sup>2</sup> = RS 794416.0                           |                               |    |    |    |                  |
| (7) construction of<br>W.B.M. gr III<br>- do - all completed job |                               |    |    |    |                  |
| Width MBP-4                                                      |                               |    |    |    |                  |
| Qty 235.53 m <sup>3</sup>                                        |                               |    |    |    |                  |
| @ 2151.89 m <sup>2</sup> = RS 506835.0                           |                               |    |    |    |                  |
| (8) CC pavement M <sub>30</sub><br>- do - all completed job      |                               |    |    |    |                  |
| Width MBP-12                                                     |                               |    |    |    |                  |
| Qty 198.90 m <sup>3</sup>                                        |                               |    |    |    |                  |
| @ 5181.51 m <sup>2</sup> = RS 1030602.0                          |                               |    |    |    |                  |
| (9) construction of<br>embankment                                |                               |    |    |    |                  |
| Width MBP-11                                                     |                               |    |    |    |                  |
| (i) lead 100m                                                    |                               |    |    |    |                  |
| Qty 423 m <sup>3</sup>                                           |                               |    |    |    |                  |
| @ 130.79 = RS 55131.00                                           |                               |    |    |    |                  |

| Particulars            | Details of actual measurement |    |    |    | Contents of area |
|------------------------|-------------------------------|----|----|----|------------------|
|                        | No.                           | L. | B. | D. |                  |
| (ii) lead room         |                               |    |    |    |                  |
| 987.15 m <sup>2</sup>  |                               |    |    |    |                  |
| @ 175.22               |                               |    |    |    | = RS 172968.00   |
|                        |                               |    |    |    | RS 281335.0      |
| Less 0.094. as per psc |                               |    |    |    | 2532.00          |
| Agreement              |                               |    |    |    | RS 2810823.00    |

C & J  
 22-1-21  
 5.12  
 24/01/21  
 24/01/2021  
 AB

### Material Statement

E/W - 1410.15 m<sup>3</sup>

Metals - 481.32 m<sup>2</sup> + 228 m<sup>2</sup>

= 709.32 @ 427.69 = RS 303369.

# Revised Estimate of Comparative Chart

| Revised Estimate of Comparative Chart |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                     |           |            |                         |          |            |                              |             |                            |        |         |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------|-----------|------------|-------------------------|----------|------------|------------------------------|-------------|----------------------------|--------|---------|
| Sl. No                                | Items                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | unit | As per Approved BOQ |           |            | As per Revised Estimate |          |            | variation in Qty             |             | variation in Amount        |        | Remarks |
|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | Quantity            | Rate      | Amount     | Quantity                | Rate     | Amount     | Difference in Quantity (7-4) | %(10/4*100) | Difference in Amount (9-6) |        |         |
|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |                     |           |            |                         |          |            |                              |             |                            | 10     |         |
| 1                                     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3    | 4                   | 5         | 6          | 7                       | 8        | 9          | 10                           | 11          | 12                         | 14     |         |
| 1                                     | Providing & Fixing of reference Mark Pillars @ four nos per km as per drawings given and direction of E/I                                                                                                                                                                                                                                                                                                                                                                       | NO   | 15.00               | 9850.070  | 148351.05  | 15.00                   | 9850.07  | 148351.05  | 0.00                         | 0%          | 0.00                       |        |         |
| 3                                     | Clearing and grubbing Road Land ( By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removal of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 301.1 and direction of E/I | HA   | 1.251               | 49035.750 | 61719.02   | 1.25                    | 49035.75 | 61719.02   | 0.00                         | 0%          | 0.00                       |        |         |
| 4                                     | Removing all types of Hume pipe and stacking within a lead of 1000m including earthwork and dismantling of masonry works as per technical specification clause 302.1                                                                                                                                                                                                                                                                                                            |      | 0.000               | 168.64    | 0.00       | 0.00                    | 168.64   | 0.00       | 0.00                         | 0%          | 0.00                       |        |         |
| 5                                     | A) Upto 600 mm dia                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      | 0.000               | 228.03    | 0.00       | 0.00                    | 228.03   | 0.00       | 0.00                         | 0%          | 0.00                       |        |         |
| 6                                     | B) Above 600 mm to 900 mm dia Hume Pipe                                                                                                                                                                                                                                                                                                                                                                                                                                         |      | 0.000               | 228.03    | 0.00       | 0.00                    | 228.03   | 0.00       | 0.00                         | 0%          | 0.00                       |        |         |
| 7                                     | SUB HEAD: EARTHWORK                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                     |           |            |                         |          |            |                              |             |                            |        |         |
| 7                                     | Ditch Cutting: Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3                                                                                                                                                                                                                                                                             | Cum  | 0.000               | 71.50     | 0.00       | 140.82                  | 71.50    | 10086.81   | 140.82                       | 100%        | 10086.81                   | Change |         |
| 8                                     | Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading, grading to required slope and compacting to meet requirement of Table 300.1 and 300.2 with a lead upto 1000 and 100 m. (RATE OF SUM OF 3.3 AND 3.5) at 1000 M Lead                                                                                                                                                                         | Cum  | 12500.283           | 103.06    | 1287441.97 | 12451.14                | 103.06   | 1284708.90 | -49.14                       | -0%         | -2732.07                   | Change |         |
| 9                                     | Construction of earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1                                                                                                                                                                                     | Cum  | 703.290             | 170.84    | 120145.07  | 703.25                  | 170.84   | 120145.37  | 0.00                         | 0%          | 0.00                       |        |         |
| 10                                    | Sub Head: PAVEMENT LAYERS GSB & WBM Item                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                     |           |            |                         |          |            |                              |             |                            |        |         |
| 11                                    | Grading I Material, Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at UMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401                                                                                                               | Cum  | 105.000             | 1175.40   | 123427.00  | 105.04                  | 1175.40  | 123472.16  | 0.04                         | 0%          | 45.16                      | Change |         |

