

Restoration of Road Tos to Basgadhra

## Schedule XLV-Form No. 134

Forbesganj

DIVISION

forbesganj

SUB-DIVISION

C. Head :- FDR :- 2245

Measurement Book

20/2021-22

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. |                  |
| Name of work:-                        |                               |    |    |    | Restoration of   |
| Road from Tas to Bagadha              |                               |    |    |    |                  |
| Authority:-                           |                               |    |    |    | BE RWD forbusgas |
| Agency:-                              |                               |    |    |    | Departmental.    |
| C. Head:-                             |                               |    |    |    | 2245 FOR         |
| Date of Entry:-                       |                               |    |    |    |                  |
| work done & cutting I                 |                               |    |    |    |                  |
| ① Providing and filling of Local sand |                               |    |    |    |                  |
| do do all Compter                     |                               |    |    |    |                  |

|                             |                 |                 |
|-----------------------------|-----------------|-----------------|
| 1 x 35.00 x 7.5 + 8.0       | 2.5 + 3.0 + 2.5 |                 |
| $\frac{2}{3}$               | $\frac{2}{3}$   | = 723.33        |
| ② 2 x 20 x 1.2 + 1.1 + 1.5  | 2.0 + 2.5 + 2.4 |                 |
| $\frac{3}{3}$               | $\frac{3}{3}$   | = 116.53        |
| 1 x 25.00 x 1.2 + 1.1 + 1.5 | 2.0 + 2.5 + 2.4 |                 |
| $\frac{3}{3}$               | $\frac{3}{3}$   | = 72.83         |
| 1 x 15 x 7.5 + 8.0          | 2.0 + 2.5 + 2.4 |                 |
| $\frac{2}{3}$               | $\frac{2}{3}$   | = 267.39        |
|                             | $\frac{3}{3}$   | = 1180.08       |
|                             |                 | total:- 1180.08 |

② m<sup>2</sup> v for cutting 62 into 75 m dia

bamboo piles — do ab

$$2 \times 35 \times 3 \times 2.0 = 420.00$$

$$1 \times 20 \times 3 \times 2.0 = 120.00$$

$$2 \times 25 \times 2 \times 2.00 = 300.00$$

$$2 \times 15 \times 3 \times 2.00 = 180.00$$

$$1020.00$$

Continuation



| Particulars                                                        | Details of actual measurement |                                        |                   |             | Contents of area    |
|--------------------------------------------------------------------|-------------------------------|----------------------------------------|-------------------|-------------|---------------------|
|                                                                    | No.                           | L.                                     | B.                | D.          |                     |
| ③ M&L for filling and free 62mm to 75mm<br>bamboo number — do — do |                               |                                        |                   |             |                     |
|                                                                    |                               | $2 \times 35 \times 3 = 210$           |                   |             |                     |
|                                                                    |                               | $1 \times 20 \times 3 = 60$            |                   |             |                     |
|                                                                    |                               | $2 \times 25 \times 3 = 150$           |                   |             |                     |
|                                                                    |                               | $2 \times 15 \times 3 = 90$            |                   |             |                     |
|                                                                    |                               |                                        |                   | <u>510m</u> |                     |
| ④ Supply of Ec bag — do — do                                       |                               |                                        |                   |             |                     |
|                                                                    |                               | $2 \times 35 \times 0.9 + 1$           | $2.0 + 2.5 + 2.5$ |             |                     |
|                                                                    |                               | $\frac{2}{2} \times$                   | $\frac{3}{3}$     |             | $177.50$            |
|                                                                    |                               | $1 \times 20 \times 0.9 + 1$           | $2.0 + 2.5 + 2.4$ |             |                     |
|                                                                    |                               | $\frac{2}{2} \times$                   | $\frac{3}{3}$     |             | $43.70$             |
|                                                                    |                               | $2 \times 25 \times 0.9 + 1$           | $2.0 + 2.5 + 2.4$ |             |                     |
|                                                                    |                               | $\frac{2}{2} \times$                   | $\frac{3}{3}$     |             | $109.25$            |
|                                                                    |                               | $2 \times 15 \times 0.9 + 1$           | $2.0 + 2.5 + 2.4$ |             |                     |
|                                                                    |                               | $\frac{2}{2} \times$                   | $\frac{3}{3}$     |             | $65.55$             |
|                                                                    |                               |                                        |                   |             | <u>Total 395.85</u> |
|                                                                    |                               | No of Bag $\times 35.35 =$             |                   |             | <u>13978.85</u>     |
| ⑤ supply and carriage of brick work<br>— do — do                   |                               |                                        |                   |             |                     |
|                                                                    |                               | $2 \times 35 \times 0.9 \times 0.15 =$ |                   |             | $9.45$              |
|                                                                    |                               | $2 \times 20 \times 0.9 \times 0.15 =$ |                   |             | $5.40$              |
|                                                                    |                               | $2 \times 15 \times 0.9 \times 0.15 =$ |                   |             | $4.05$              |
|                                                                    |                               |                                        |                   |             | <u>18.90 m</u>      |
| ⑥ Supply and Carriage of 100mm dia<br>— do — do                    |                               |                                        |                   |             |                     |
|                                                                    |                               | $4 \times 3 \times 2.5 =$              |                   |             | $30m$               |

| Particulars                           | Details of actual measurement |             |     |             | Contents of area      |
|---------------------------------------|-------------------------------|-------------|-----|-------------|-----------------------|
|                                       | No.                           | L.          | B.  | D.          |                       |
| 2nd cutting                           |                               |             |     |             |                       |
| ① Providing and filling of local Sand |                               |             |     |             |                       |
|                                       |                               |             | 100 | all compo   |                       |
|                                       | 1x25x                         | 4.5+5+4.25  |     | 2.4+2.5+2.4 |                       |
|                                       |                               | 3           |     | 3           | 3 = 280.85            |
|                                       | 1x24x                         | 4.5+5+4.35  |     | 2.2+2.5+2.2 |                       |
|                                       |                               | 3           |     | 3           | 3 = 254.8             |
|                                       | 2x20x                         | 1.2+1.4+1.5 |     | 2.1+2.0+2.1 |                       |
|                                       |                               | 3           |     | 3           | 3 = 112.78            |
|                                       |                               |             |     |             | 648.67 m <sup>3</sup> |

② M & W for cutting of 62mm to 75mm

|            |     |              |   |    |
|------------|-----|--------------|---|----|
| dia        | —   | bamboo piles | — | di |
| 2x25x3x2 = | 300 | m            |   |    |
| 2x24x3x2 = | 288 | m            |   |    |
| 2x20x3x2 = | 240 | m            |   |    |

③ M & W for filling and fixing

|              |               |   |    |
|--------------|---------------|---|----|
| 62mm to 75mm | bamboo runner | — | di |
| 2x25x3 =     | 150           | m |    |
| 2x24x3 =     | 144           | m |    |
| 2x20x3 =     | 120           | m |    |
|              | 414           | m |    |

④ Supply of BC bag

|            |         |        |             |               |
|------------|---------|--------|-------------|---------------|
| 1x25x      | (0.8+1) |        | 2.4+2.5+2.4 |               |
|            | 2       |        | 3           | 3 = 54.75     |
| 1x24x      | (0.8+1) |        | 2.2+2.5+2.2 |               |
|            | 2       |        | 3           | 3 = 49.68     |
| 2x20x      | (0.8+1) |        | 2.1+2.0+2.1 |               |
|            | 2       |        | 3           | 3 = 74.40     |
|            |         |        |             | 178.83        |
| Mod of bag | 35315   | 178.83 |             |               |
|            |         |        |             | = 6315.35 bag |



| Particulars                           | Details of actual measurement |                                      |    |                                    | Contents of area          |
|---------------------------------------|-------------------------------|--------------------------------------|----|------------------------------------|---------------------------|
|                                       | No.                           | L.                                   | B. | D.                                 |                           |
|                                       |                               |                                      |    |                                    | Cutting first second time |
| ① Providing and filling of local sand |                               |                                      |    |                                    |                           |
|                                       |                               | $1 \times 35 \times 6.0 + 7.5$       |    | $\times \frac{2.0 + 2.5 + 2.0}{3}$ | $= 511.88$                |
|                                       |                               | $2 \times 20 \times 1.2 + 1.1 + 1.5$ |    | $\times \frac{2.0 + 2.5 + 2.4}{3}$ | $= 116.53$                |
|                                       |                               | $1 \times 25 \times 1.2 + 1.1 + 1.5$ |    | $\times \frac{2.0 + 2.5 + 2.4}{3}$ | $= 72.83$                 |
|                                       |                               |                                      |    | Total                              | 701.24                    |
| ② M & L for cutting 62m to 75m        |                               |                                      |    |                                    |                           |
| bamboo poles — do — all               |                               |                                      |    |                                    |                           |
|                                       |                               | $2 \times 35 \times 3 \times 2$      |    |                                    | 420 m                     |
|                                       |                               | $2 \times 20 \times 3 \times 2.0$    |    |                                    | 180 m                     |
|                                       |                               | $1 \times 25 \times 3 \times 2.0$    |    |                                    | 150 m                     |
|                                       |                               |                                      |    | Total L                            | 840 m 516 m               |

|                                           |  |                                      |  |                                    |                            |
|-------------------------------------------|--|--------------------------------------|--|------------------------------------|----------------------------|
| ③ M & L for cutting 62m to 75m            |  |                                      |  |                                    |                            |
| bamboo runner — do — all                  |  |                                      |  |                                    |                            |
|                                           |  | $2 \times 35 \times 3$               |  |                                    | 210 m                      |
|                                           |  | $1 \times 20 \times 3$               |  |                                    | 120 m                      |
|                                           |  | $2 \times 25 \times 3$               |  |                                    | 150 m                      |
|                                           |  |                                      |  | Total                              | 480 m 405 m                |
| ④ Supply of B.C bag — do — all            |  |                                      |  |                                    |                            |
|                                           |  | $2 \times 35 \times 0.9 \times 1.0$  |  | $\times \frac{2.0 + 2.5 + 2.0}{3}$ | $= 144.08$                 |
|                                           |  | $2 \times 20 \times 0.9 \times 1.0$  |  | $\times \frac{2.0 + 2.5 + 2.0}{3}$ | $= 87.40$                  |
|                                           |  | $1 \times 25 \times 0.9 \times 1.0$  |  | $\times \frac{2.0 + 2.5 + 2.0}{3}$ | $= 54.63$                  |
|                                           |  |                                      |  | Total                              | 286.11                     |
|                                           |  |                                      |  | No. of bag                         | $= 35.35 \approx 10103.92$ |
| ⑤ Supply and carriage of brick — do — all |  |                                      |  |                                    |                            |
|                                           |  | $2 \times 35 \times 0.9 \times 1.50$ |  |                                    | 94.5                       |
|                                           |  | $2 \times 20 \times 0.9 \times 1.50$ |  |                                    | 54.0                       |
|                                           |  |                                      |  | Total                              | 148.5                      |

ADP  
21/11/18  
re continuation

## 6

Sch. XLV-Form No. 134

A graph on a grid with 6 vertical and 6 horizontal lines. A blue curve is plotted, starting from the bottom-left quadrant and curving upwards and to the right, passing through the center of the grid. The curve is concave down, resembling a square root function. It starts at approximately (1, 1) and ends at approximately (5, 5) in grid units.



# Abstract of Cost

Sch. XLV-Form No. 134

| Particulars                                  | Details of actual measurement |       |       |    | Contents of area |
|----------------------------------------------|-------------------------------|-------|-------|----|------------------|
|                                              | No.                           | L.    | B.    | D. |                  |
| ① Providing and filling local sand           |                               |       |       |    |                  |
| — do — all comp                              |                               |       |       |    |                  |
| 1180.08                                      | Pg ①                          | Ltr ① |       |    |                  |
| 684.67                                       | Pg ②                          | Ltr ① |       |    |                  |
| 701.24                                       | Pg ⑤                          | Ltr ① |       |    |                  |
| 2529.98                                      | MS                            |       |       |    |                  |
| @ 627.77/m <sup>3</sup>                      |                               |       |       |    | 158824720        |
| ② M & W for 62m to 75m bamboo                |                               |       |       |    |                  |
| PZs — do — all m                             |                               |       |       |    |                  |
| 1020.00                                      | Pg ①                          | Ltr ② |       |    |                  |
| 829.00                                       | Pg ③                          | Ltr ② |       |    |                  |
| 810.00                                       | Pg ⑤                          | Ltr ② |       |    |                  |
| 2658.00 m                                    |                               |       |       |    |                  |
| ② 75286/m                                    |                               |       |       |    | 20162620         |
| ③ M & W for cutting 62m to 75m bamboo runner |                               |       |       |    |                  |
| — do — all m                                 |                               |       |       |    |                  |
| 510.00                                       | Pg ②                          | Ltr ③ |       |    |                  |
| @ 40.06/m                                    | 414.0m                        | Pg ③  | Ltr ③ |    |                  |
| 405.00 m                                     |                               |       |       |    |                  |
| 1329.00 m                                    |                               |       |       |    |                  |
| @ 40.06/m                                    |                               |       |       |    | 53240.0          |
| ④ For supply of 6c bag, do all               |                               |       |       |    |                  |
| 13979200                                     | Pg ④                          | Ltr ④ |       |    |                  |
| 6315200                                      | Pg ⑤                          | Ltr ④ |       |    |                  |
| 10104200                                     | Pg ⑥                          | Ltr ④ |       |    |                  |
| 30378200                                     |                               |       |       |    |                  |
| @ 37.95/bag                                  |                               |       |       |    | 1125265200       |
|                                              |                               |       |       |    | 95.              |

Continuation

|                  |     |                          |
|------------------|-----|--------------------------|
| DA =<br>cap      |     | add 12 1/2 hrs = 407679m |
| claim<br>2/1/14  | Ref | <u>380500820</u>         |
| John<br>15/11/23 | 1   | <del>21/11/21</del>      |
| 98               |     | 8                        |