

M.M.G.S.Y.(G.N) 23.SBJ/2019-2020

237/19-20

Schedule XLV Form No.-134

BIHAR P.W.D.

Matiyariga Samudai's Bhawan to Hata tala  
Gandak Karyalaya

(Aresaj)

DIVISION

(Harsiddhi)

SUB-DIVISION

# MEASUREMENT BOOK

22-3-2019 21:18:10

237/19-20

प्रमाणित किया जाता है कि इस मापी  
पुस्तिका में मजदूरों के द्वारा कुल 1000  
गुण्टाओं में है। यह मापी पुस्तिका  
श्री हरे-दुआह, बहाल आमे 0 के  
निर्गत किया जाता है।

  
Executive Engineer  
Rural Works Department  
Works Division, Areraj  
29/8/19

Schedule XLV Form No.-134

अरेराज DIVISION  
हरासिंह SUB-DIVISION

## MEASUREMENT BOOK

237/19-20

Name of officer श्री हरे-दुआह

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

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

# 2nd & Final Bill

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Sch. XLV-Form No.134

| Particulars                                 | Details of actual measurement |    |    |    | Contents of area |
|---------------------------------------------|-------------------------------|----|----|----|------------------|
|                                             | No.                           | L. | B. | D. |                  |
| Area of wall + Masonry work                 |                               |    |    |    |                  |
| Samudra to Shivan                           |                               |    |    |    |                  |
| Waste to handle                             |                               |    |    |    |                  |
| Hand by                                     |                               |    |    |    |                  |
| Agar - 23.5 m                               |                               |    |    |    |                  |
| Agar - 23.5 m                               |                               |    |    |    |                  |
| Date of Start - 27.8.14                     |                               |    |    |    |                  |
| End of work - 28.5.20                       |                               |    |    |    |                  |
| (1) Reference price - 0.965 m               |                               |    |    |    |                  |
| (2) Reference price - 0.965 m               |                               |    |    |    |                  |
| (2) Hand Shuttering                         |                               |    |    |    |                  |
| 2 x 10 x 22 m x 0.375 m = 165.00            |                               |    |    |    |                  |
| (3) Building 5 m for 14                     |                               |    |    |    |                  |
| Area 1 x 25 m x 5.00 + 4.00 + 0.075 m       |                               |    |    |    |                  |
| 2 x 25 m x 3.75 m x 0.075 m = 202.53        |                               |    |    |    |                  |
| Winding of pipe                             |                               |    |    |    |                  |
| 2 x 10 x 22 m x 0.375 m x 0.075 m = 12.36   |                               |    |    |    |                  |
| 2 x 7.5 m x 0.375 m x 0.075 m = 0.14        |                               |    |    |    |                  |
| 223.74                                      |                               |    |    |    |                  |
| 223.74                                      |                               |    |    |    |                  |
| (4) Hammer Count.                           |                               |    |    |    |                  |
| Circle 1 x 25 m x 5.00 + 4.00 = 112.50      |                               |    |    |    |                  |
| 2 x 25 m x 3.00 x 3.75 m = 2700.00          |                               |    |    |    |                  |
| Circle 1 x 2.5 m x 3.75 m = 9.375           |                               |    |    |    |                  |
| Total                                       |                               |    |    |    | 2821.87          |
| (5) Building 12.50                          |                               |    |    |    | 2821.69          |
| Circle 1 x 2.2 m x 3.75 m x 0.16 m = 132.00 |                               |    |    |    |                  |
| Circle 1 x 2.2 m x 3.75 m x 0.16 m = 132.00 |                               |    |    |    |                  |
| (1) Elongation in feet                      |                               |    |    |    |                  |
| Ref - 1 x 6.00 + 1.50 m x 0.375 m = 7.02    |                               |    |    |    |                  |
| R/W - 4 x 3.50 m x 0.45 m x 0.35 m = 8.75   |                               |    |    |    |                  |
| Circle 1 x 2.2 m x 0.55 x 1.10 m = 3.05     |                               |    |    |    |                  |
| Continuation                                |                               |    |    |    |                  |
| 1 x 3.00 + 2.50 m x 0.90 m = 6.75           |                               |    |    |    |                  |
| 1 x 6.00 + 2.50 m x 0.90 m = 17.50          |                               |    |    |    |                  |
| Total                                       |                               |    |    |    | 39.10            |

| Particulars          | Details of actual measurement |      |      |      | Contents of area |
|----------------------|-------------------------------|------|------|------|------------------|
|                      | No.                           | L.   | B.   | D.   |                  |
| (6) Sand filling     |                               |      |      |      |                  |
| Raft                 | 1                             | 6.0  | 1.5  | 0.10 | 0.90             |
| P/W                  | 4                             | 3.5  | 0.45 | 0.10 | 0.63             |
| Chalk                | 2                             | 2.5  | 0.55 | 0.10 | 0.22             |
|                      |                               |      |      |      | <u>1.75</u>      |
| (7) Paving M100      |                               |      |      |      |                  |
| Raft                 | 1                             | 6.0  | 1.5  | 0.10 | 0.90             |
| P/W                  | 2                             | 2.5  | 0.45 | 0.10 | 0.35             |
| Chalk                | 2                             | 2.5  | 0.55 | 0.10 | 0.28             |
|                      |                               |      |      |      | <u>1.53</u>      |
| (8) Paving M200      |                               |      |      |      |                  |
| Raft                 | 1                             | 6.0  | 1.5  | 0.20 | 1.80             |
| P/W                  | 2                             | 6.0  | 0.25 | 0.10 | 3.00             |
| Top of back slab     | 1                             | 6.0  | 1.5  | 0.20 | 1.80             |
| P/W                  | 2                             | 1.5  | 0.25 | 0.10 | 0.45             |
| P/W                  | 4                             | 3.5  | 0.30 | 0.10 | 2.30             |
| P/W                  | 2                             | 0.10 | 0.10 | 0.10 | 0.10             |
|                      |                               |      |      |      | <u>14.20</u>     |
|                      |                               |      |      |      | <u>14.64</u>     |
| (9) Back filling     |                               |      |      |      |                  |
|                      | 2                             | 6.0  | 1.0  | 0.60 | 2.20             |
| (10) Wood work - 100 |                               |      |      |      |                  |
| (11) S/Bench         |                               |      |      |      |                  |
|                      | 1                             | 3    | 2.5  | 0.60 | 4.50             |
|                      | 1                             | 6.0  | 2.5  | 0.60 | 9.00             |
|                      |                               |      |      |      | <u>13.50</u>     |
| (12) Work of brick   |                               |      |      |      |                  |
| Raft                 | 12                            | M    | 6.0  |      | 72.0             |
| Main                 | 50                            | M    | 1.5  |      | 75.0             |
| Sub                  | 2                             | 2    | 5.0  | 1.20 | 2.40             |
| Store                | 2                             | 8    | M    | 12.5 | 200.0            |
| Prof slab            | 12                            | M    | 6.0  |      | 72.0             |
|                      |                               |      |      |      | <u>75.0</u>      |
|                      |                               |      |      |      | <u>744.0</u>     |

Continuation

| Particulars                                  | Details of actual measurement |    |    |                  | Contents of area |
|----------------------------------------------|-------------------------------|----|----|------------------|------------------|
|                                              | No.                           | L. | B. | D.               |                  |
| 10 - 4 x 44 M 11.8                           |                               |    |    | 7214. m          |                  |
|                                              |                               |    |    | = 28.54          |                  |
| 11 - 4 x 13 M 10.00                          |                               |    |    | 546.2            |                  |
|                                              |                               |    |    | 15.85 m          |                  |
|                                              |                               |    |    | 2.62 kg          |                  |
|                                              |                               |    |    | = 9.52-28        |                  |
| Paraphrase (comp)                            |                               |    |    |                  | (A)              |
| main - 2 x 2 x 10 + 0.55 m                   |                               |    |    | = 22.44          |                  |
| Stump - 2 + 10 + 3.7 m                       |                               |    |    | = 74.4           |                  |
|                                              |                               |    |    | 46.7             |                  |
|                                              |                               |    |    | 2.62 kg          |                  |
|                                              |                               |    |    | = 59.52 kg       |                  |
| Total Qty for work = (10) + (11)             |                               |    |    |                  |                  |
|                                              |                               |    |    | 7 982.72 + 59.52 |                  |
|                                              |                               |    |    | = 1042.24 kg     |                  |
| add 5% work - 52.48 kg                       |                               |    |    |                  |                  |
|                                              |                               |    |    | 11.56 kg         |                  |
|                                              |                               |    |    | 10.80 kg         |                  |
|                                              |                               |    |    | 1.080 M.V        |                  |
| (9) K. Sengupta Stone                        |                               |    |    |                  |                  |
| (5) ordinary km - 1 No                       |                               |    |    |                  |                  |
| (3) 2.0 m stone - 4.44                       |                               |    |    |                  |                  |
| (10) Boundary Area - 19 M                    |                               |    |    |                  |                  |
| (11) Paints two work up                      |                               |    |    |                  |                  |
| new work                                     |                               |    |    |                  |                  |
| 13 + 0.2 m + 1.8 m                           |                               |    |    | = 145.05 m       |                  |
| (12) Paints on concrete Sub                  |                               |    |    |                  |                  |
| 2 x 10 x 22.4 x 0.1 m                        |                               |    |    | = 44.8           |                  |
| (13) Road Marking                            |                               |    |    |                  |                  |
| (5) B.T. Sub 2 x 10 x 10 x 7 x 4.5 m x 0.1 m |                               |    |    | = 149.4          |                  |
| (5) C.C. Sub - 2 x 10 x 22.0 m x 0.1 m       |                               |    |    | = 44.4           |                  |
|                                              |                               |    |    | 193.4            |                  |
| (14) Main Line Bore - 2 No                   |                               |    |    |                  |                  |
| (15) Traffic Sign                            |                               |    |    |                  |                  |
| (5) Green cylindrical traffic - 6            |                               |    |    |                  |                  |
| (5) Green cylindrical - 4.44                 |                               |    |    |                  |                  |
| (5) Green cylindrical - 2.44                 |                               |    |    |                  |                  |
| (10) Green cylindrical - 2.44                |                               |    |    |                  |                  |

Continuation

(15) Supply 300 m<sup>2</sup> H<sub>2</sub>O - 3+3+2.5 = 22.5

(18) c<sup>1</sup> of road subent - calculated  
Ref. Qty of B<sub>2</sub>O gran Belgio as per  
Sch. XLV Form No. 134 15.4.1966. 12.25

| Particulars | Details of actual measurement |       |          |            | Contents of area         |
|-------------|-------------------------------|-------|----------|------------|--------------------------|
|             | No.                           | L.    | B.       | D.         |                          |
| Orange. 100 |                               | 45    | Heavy 45 | Orange 100 | Volume (m <sup>3</sup> ) |
| 500         | -                             | 3.640 | -        | -          | -                        |
| 50          | -                             | 4.327 | 3.984    | 50         | 195.125                  |
| 100         | -                             | 2.442 | 3.385    | 50         | 164.725                  |
| 150         | -                             | 5.661 | 4.062    | 50         | 203.075                  |
| 200         | -                             | 3.021 | 4.346    | 50         | 218.300                  |
| 250         | -                             | 3.194 | 3.133    | 50         | 156.625                  |
| 300         | -                             | 2.283 | 2.734    | 50         | 136.925                  |
| 350         | -                             | 3.873 | 3.028    | 50         | 153.900                  |
| 400         | -                             | 2.594 | 3.234    | 50         | 161.625                  |
| 450         | -                             | 2.457 | 2.526    | 50         | 126.225                  |
| 500         | -                             | 2.313 | 2.385    | 50         | 119.250                  |
| 550         | -                             | 2.657 | 2.485    | 50         | 124.250                  |

|     |   |       |       |       |         |
|-----|---|-------|-------|-------|---------|
| 600 | - | 2.789 | 2.723 | 50    | 136.150 |
| 650 | - | 3.010 | 2.900 | 50    | 144.925 |
| 700 | - | 3.438 | 3.224 | 50    | 161.200 |
| 750 | - | 4.139 | 3.789 | 50    | 189.425 |
| 800 | - | 3.034 | 3.567 | 50    | 159.325 |
| 850 | - | 3.692 | 3.363 | 50    | 168.150 |
| 900 | - | 3.888 | 3.750 | 50    | 189.15  |
| 950 | - | 3.161 | 3.525 | 35    | 123.52  |
| 9   | - |       |       | 7.419 | 3066.20 |

Deduction for R/Cross

(1) B<sub>2</sub>O gran for road P<sub>2</sub> idy

$$1650 \text{ m} \times 0.124 \text{ m} = 204 \text{ m}^2$$

$$(2) \text{ h.s. B<sub>2</sub>O gran for P<sub>2</sub> h 5} = 433.96 \text{ m}^2$$

$$(3) \text{ S.M. for P<sub>2</sub> h 5} = 223.76 \text{ m}^2$$

$$(4) \text{ M<sub>2</sub>SO<sub>4</sub> for P<sub>2</sub> h 5} = 132.04 \text{ m}^2$$

(5) M<sub>2</sub>SO<sub>4</sub> for P<sub>2</sub> h 5

$$2821.6 \text{ m} \times 0.02 \text{ m} = 56.43 \text{ m}^2$$

$$\text{Net 1280 B. 24 m}^2$$

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# 2nd & Final Bill

## ABSTRACT of work

Sch. XLV-Form No. 134

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| Particulars                                                                                        | Details of actual measurement |    |    |    | Contents of area |
|----------------------------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                                                    | No.                           | L. | B. | D. |                  |
| (1) Reference Pillar<br>for side of P.D.S.<br>10.965m @ 10.944m - 110.561                          |                               |    |    |    |                  |
| (2) Reference Bench<br>for side of P.D.S.<br>0.965m @ 10.944m - 11.974                             |                               |    |    |    |                  |
| (3) Chaining & staking of<br>R/L level - 24<br>to the side of P.D.S.<br>10.285m @ 14.305m - 143.94 |                               |    |    |    |                  |
| (4) C/L of road center<br>100m long<br>only for side of P.D.S.<br>10.1-90m @ 143.05m - 1290.42     |                               |    |    |    |                  |
| (5) C/L of road center<br>100m long<br>only for side of P.D.S.<br>10.386.53m @ 183.92m - 72.636    |                               |    |    |    |                  |
| (6) Subgrade & center<br>shoulder<br>only side of P.D.S.<br>10.896.15m @ 89.80m - 1700.89          |                               |    |    |    |                  |
| (7) Box Cut<br>only side of P.D.S.<br>10.98.21m @ 82.01m - 804.5                                   |                               |    |    |    |                  |
| (8) Hard soil shoulder<br>only side of P.D.S.<br>10.165m @ 499.40m - 8241.2                        |                               |    |    |    |                  |
| (9) Paving in S.S. gutter<br>10.433.9m @ 2880.04m - 12498.22                                       |                               |    |    |    |                  |
| (10) M.M. in S.S. Bury<br>for side of P.D.S.<br>10.2m @ 1146.80m - 2298                            |                               |    |    |    |                  |
| (11) C/L of road center<br>for side of P.D.S.<br>10.433.9m @ 2880.04m - 12498.22                   |                               |    |    |    |                  |

| Particulars                                                                                                                                                                                     | Details of actual measurement |    |    |    | Contents of area |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                                                                                                                                                 | No.                           | L. | B. | D. |                  |
| (11) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>5/11/1944</del> <del>at</del> <del>the</del> <del>place</del> <del>of</del> <del>the</del> <del>plot</del> <del>3</del> |                               |    |    |    | 17030342         |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>3</del>                                                                                                                      |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 3595.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    | 25804839         |
| (12) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>4</del>                                                                                                                 |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>4</del>                                                                                                                      |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 5221.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    | 147489           |
| (13) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                        |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    | 53414            |
| (14) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                        |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| (15) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                        |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| (16) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                        |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| (17) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                        |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| (18) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                        |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| (19) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                        |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| (20) <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                        |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |
| <del>Area</del> <del>for</del> <del>the</del> <del>plot</del> <del>11/11/1946</del>                                                                                                             |                               |    |    |    |                  |
| <del>7223.65m<sup>2</sup> @ 1843.11/m<sup>2</sup></del>                                                                                                                                         |                               |    |    |    |                  |

Continuation

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