

सिद्धार्थ

**Schedule XLV Form No. 134.**

E. E. R. W. D. (w) **DIVISION** 619YA

A. E. R. W. D. (w) **SUB-DIVISION** 1A7EHPUR

**Measurement Book**

2868

Shardhan / corner h/l

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 - Construction                                                               |                               |    |    |    |                      |
| of road from Gaya                                                                         |                               |    |    |    |                      |
| Rajauli Patwari Road                                                                      |                               |    |    |    |                      |
| to Sarvodaya via                                                                          |                               |    |    |    |                      |
| Khajuri with under                                                                        |                               |    |    |    |                      |
| MMGSY (Gen)                                                                               |                               |    |    |    |                      |
| Name of Agency - Sharan                                                                   |                               |    |    |    |                      |
| Kumar Singh, At -                                                                         |                               |    |    |    |                      |
| Amri, P.O. - Sahapur,                                                                     |                               |    |    |    |                      |
| P.S. Mutabil, Gaya.                                                                       |                               |    |    |    |                      |
| Agreement No - 01/SB/MMGSY/Gen                                                            |                               |    |    |    |                      |
| 2020-21                                                                                   |                               |    |    |    |                      |
| Date of Commencement - 05.2.20                                                            |                               |    |    |    |                      |
| Date of completion - 04.11.20                                                             |                               |    |    |    |                      |
| Date of measurement - 27.07.20                                                            |                               |    |    |    |                      |
| 1) E/W in excavation                                                                      |                               |    |    |    |                      |
| for found. of str.                                                                        |                               |    |    |    |                      |
| - - etc                                                                                   |                               |    |    |    |                      |
| 600 mm dia. P.C (C.M.B.)                                                                  |                               |    |    |    |                      |
| $2 \times 3.90 \text{ m} \times 1.24 \text{ m} \times 1.50 \text{ m} = 14.51 \text{ m}^3$ |                               |    |    |    |                      |
| Pipe portion                                                                              |                               |    |    |    |                      |
| $1 \times 6.22 \text{ m} \times 1.02 \text{ m} \times 0.80 \text{ m} = 5.08 \text{ m}^3$  |                               |    |    |    |                      |
|                                                                                           |                               |    |    |    | 19.59 m <sup>3</sup> |

Continuation

## Sch. XLV-Form No. 134

| Particulars                                                                         | Details of actual measurement |    |    |    | Contents of area    |
|-------------------------------------------------------------------------------------|-------------------------------|----|----|----|---------------------|
|                                                                                     | No.                           | L. | B. | D. |                     |
| (2) Plv P. cc Mid in fond                                                           |                               |    |    |    |                     |
| - - etc                                                                             |                               |    |    |    |                     |
| H.W. - $2 \times 3.90 \text{ m} \times 1.24 \text{ m} \times 0.15 \text{ m}$        |                               |    |    |    | $1.45 \text{ m}^3$  |
| (3) Plv P. cc Mid in open                                                           |                               |    |    |    |                     |
| fond. - etc                                                                         |                               |    |    |    |                     |
| H.W. - $2 \times 3.60 \text{ m} \times 1.07 + 0.64 \text{ m} \times 1.35 \text{ m}$ |                               |    |    |    | $8.41 \text{ m}^3$  |
| Below pipe                                                                          |                               |    |    |    |                     |
| $1 \times 6.22 \text{ m} \times 1.02 \text{ m} \times 0.25 \text{ m}$               |                               |    |    |    | $1.59 \text{ m}^3$  |
|                                                                                     |                               |    |    |    | $10.00 \text{ m}^3$ |
| (4) Plv & laying R. cc pipe                                                         |                               |    |    |    |                     |
| NP 3 600 mm etc                                                                     |                               |    |    |    |                     |
| $3 \times 2.50 \text{ m} = 7.50 \text{ m}$                                          |                               |    |    |    |                     |

|                                                             |  |  |  |  |                                              |
|-------------------------------------------------------------|--|--|--|--|----------------------------------------------|
| (5) Plv P. cc Mid in Sub-                                   |  |  |  |  |                                              |
| structure - - etc                                           |  |  |  |  |                                              |
| H.W. - $2 \times 3.60 \text{ m} \times 0.64 + 0.40 + 0.40$  |  |  |  |  |                                              |
|                                                             |  |  |  |  | $3 \times 1.12 \text{ m} = 3.37 \text{ m}^3$ |
| Deduct Pipe position                                        |  |  |  |  |                                              |
| $2 \times 3.14 \times 0.72 \text{ m} \times 0.50 \text{ m}$ |  |  |  |  | $2.10 \text{ m}^3$                           |
|                                                             |  |  |  |  | $3.45 \text{ m}^3$                           |

|                                                                                |  |  |  |  |                    |
|--------------------------------------------------------------------------------|--|--|--|--|--------------------|
| (6) Filling in fond.                                                           |  |  |  |  |                    |
| trenches - etc                                                                 |  |  |  |  |                    |
| Face wall                                                                      |  |  |  |  |                    |
| $2 \times 3.60 \text{ m} \times 0.875 + 0.525 \text{ m} \times 1.35 \text{ m}$ |  |  |  |  | $2.92 \text{ m}^3$ |
| Arround pipe                                                                   |  |  |  |  |                    |
| $1 \times 6.46 \text{ m} \times 1.02 \text{ m} \times 0.42 \text{ m}$          |  |  |  |  | $2.77 \text{ m}^3$ |
| Deduct Pipe Pos.                                                               |  |  |  |  |                    |
| $1 \times 6.46 \text{ m} \times 0.25 \text{ m}^2$                              |  |  |  |  | $1.59 \text{ m}^3$ |
|                                                                                |  |  |  |  | $4.10 \text{ m}^3$ |

Planks

27.7.20  
J.E

Continuation

| Particulars                                                                         | Details of actual measurement |    |    |    | Contents of area    |
|-------------------------------------------------------------------------------------|-------------------------------|----|----|----|---------------------|
|                                                                                     | No.                           | L. | B. | D. |                     |
| Date of measurement - 11.08.20                                                      |                               |    |    |    |                     |
| 1) E/W in excavation of<br>found. of Str. etc                                       |                               |    |    |    |                     |
| (1000 mm $\phi$ H.P.C - 01 No.)                                                     |                               |    |    |    |                     |
| H.W. -                                                                              |                               |    |    |    |                     |
| $2 \times 6.30 \text{ m} \times 1.40 \text{ m} \times 1.50 \text{ m}$               |                               |    |    |    | $26.46 \text{ m}^3$ |
| Pipe portion                                                                        |                               |    |    |    |                     |
| $1 \times 5.90 \text{ m} \times 1.50 \text{ m} \times 0.80 \text{ m}$               |                               |    |    |    | $7.08 \text{ m}^3$  |
|                                                                                     |                               |    |    |    | $33.54 \text{ m}^3$ |
| 2) P/V P.C.C. M10 in found<br>- - - etc                                             |                               |    |    |    |                     |
| $2 \times 6.30 \text{ m} \times 1.40 \text{ m} \times 0.15 \text{ m}$               |                               |    |    |    | $2.65 \text{ m}^3$  |
| 3) P/V P.C.C. M15 in found<br>- - - etc                                             |                               |    |    |    |                     |
| H.W. -                                                                              |                               |    |    |    |                     |
| $2 \times 6.00 \text{ m} \times \frac{1.25 + 0.80}{2} \times 1.35 \text{ m}$        |                               |    |    |    | $16.61 \text{ m}^3$ |
| Below pipe -                                                                        |                               |    |    |    |                     |
| $1 \times 5.90 \text{ m} \times 1.50 \text{ m} \times 0.25 \text{ m}$               |                               |    |    |    | $2.21 \text{ m}^3$  |
|                                                                                     |                               |    |    |    | $18.82 \text{ m}^3$ |
| 4) P/V P.C.C. M15 Pipe<br>1000 mm $\phi$ - - etc                                    |                               |    |    |    |                     |
| $3 \times 2.50 \text{ m}$                                                           |                               |    |    |    | $7.50 \text{ m}$    |
| 5) P/V P.C.C. M15 in<br>found. Sub-structure<br>- - - etc                           |                               |    |    |    |                     |
| H.W. -                                                                              |                               |    |    |    |                     |
| $2 \times 6.00 \text{ m} \times \frac{0.80 + 0.40 + 0.40}{3} \times 1.80 \text{ m}$ |                               |    |    |    | $11.52 \text{ m}^3$ |
| $2 \times 6.00 \text{ m} \times 0.40 \text{ m} \times 0.60 \text{ m}$               |                               |    |    |    | $2.88 \text{ m}^3$  |
| Deduct pipe portion                                                                 |                               |    |    |    |                     |
| $2 \times \frac{3.14}{4} \times (1.20 \text{ m})^2 \times 0.60 \text{ m}$           |                               |    |    |    | $1.36 \text{ m}^3$  |
|                                                                                     |                               |    |    |    | $13.04 \text{ m}^3$ |
| Continuation                                                                        |                               |    |    |    |                     |

| Particulars                                                                                    | Details of actual measurement |    |    |    | Contents of area    |
|------------------------------------------------------------------------------------------------|-------------------------------|----|----|----|---------------------|
|                                                                                                | No.                           | L. | B. | D. |                     |
| (6) Filling in found. trench<br>- - etc                                                        |                               |    |    |    |                     |
| Face Wall -                                                                                    |                               |    |    |    |                     |
| 2 x 6.00m x 0.075 + 0.5m x 1.35m                                                               |                               |    |    |    | 4.86m <sup>3</sup>  |
| Arround pipe -                                                                                 |                               |    |    |    |                     |
| 1 x 6.30m x 1.50m x 0.90m                                                                      |                               |    |    |    | 8.51m <sup>3</sup>  |
| Deduct pipe portion -                                                                          |                               |    |    |    |                     |
| 1 x 6.30m x 0.91m                                                                              |                               |    |    |    | 5.73m <sup>3</sup>  |
|                                                                                                |                               |    |    |    | 7.64m <sup>3</sup>  |
| Thamke                                                                                         |                               |    |    |    |                     |
| 11.08.20<br>T.E                                                                                |                               |    |    |    |                     |
| Date of measurement - 04.09.20                                                                 |                               |    |    |    |                     |
| (1) E/W in excavation<br>for found. of structure<br>- - etc (R.C.C. Culvert - 2 Hspan 0.1 No.) |                               |    |    |    |                     |
| Abut - 2 x 7.60m x 2.30m x 1.60m                                                               |                               |    |    |    | 55.94m <sup>3</sup> |
| R/Wall - 4 x 1.60m x 2.097m x 1.60m                                                            |                               |    |    |    | 21.47m <sup>3</sup> |
|                                                                                                |                               |    |    |    | 77.41m <sup>3</sup> |
| (2) Plv A.C.C M10 in found.<br>- - etc                                                         |                               |    |    |    |                     |
| Abut - 2 x 7.60m x 2.30m x 0.20m                                                               |                               |    |    |    | 6.99m <sup>3</sup>  |
| R/Wall - 4 x 1.60m x 2.10m x 0.20m                                                             |                               |    |    |    | 2.68m <sup>3</sup>  |
|                                                                                                |                               |    |    |    | 9.67m <sup>3</sup>  |
| (3) Plv P.C.C M15 in open<br>found. - - etc                                                    |                               |    |    |    |                     |
| Abut - 2 x $\frac{7.40+6.20}{2}$ m x $\frac{1.5+1.0}{2}$ m x 1.40m                             |                               |    |    |    | 34.27m <sup>3</sup> |
| R/Wall - 4 x 1.60m x $\frac{1.9+1.30}{2}$ m x 1.40m                                            |                               |    |    |    | 14.33m <sup>3</sup> |
|                                                                                                |                               |    |    |    | 48.60m <sup>3</sup> |

Continuation

| Particulars.                                                         | Details of actual measurement |    |    |           | Co-<br>of area |
|----------------------------------------------------------------------|-------------------------------|----|----|-----------|----------------|
|                                                                      | No.                           | L. | B. | D.        |                |
| (4) Plv P.C.C. M15 in Sub-<br>Structure - - etc                      |                               |    |    |           |                |
| Abut - $2 \times 6.00m \times \frac{1.3+0.7}{2}m \times 1.80m$       |                               |    |    |           | $21.60m^3$     |
| Wall - $4 \times 2.00m \times \frac{1.10+0.4}{2}m \times 2.00m$      |                               |    |    |           | $12.54m^3$     |
|                                                                      |                               |    |    |           | $34.14m^3$     |
| (5) Supplying, Fitting & placing<br>H20 bar in R.C.C<br>work - - etc |                               |    |    |           |                |
| Cap wall & Dirt wall -<br>12 mm $\phi$ bar -                         |                               |    |    |           |                |
| $24 Nos \times 6.00m = 144.00m$                                      |                               |    |    |           |                |
| $8 Nos \times 6.00m = 48.00m$                                        |                               |    |    |           |                |
|                                                                      |                               |    |    | $192.00m$ |                |
| @ 0.89 kg/m -                                                        |                               |    |    |           | $170.88kg$     |
| 8 mm $\phi$ bar -                                                    |                               |    |    |           |                |
| $62 Nos \times 1.60m = 99.20m$                                       |                               |    |    |           |                |
| $62 Nos \times 1.90m = 117.80m$                                      |                               |    |    |           |                |
|                                                                      |                               |    |    | $217.00m$ |                |
| @ 0.395 kg/m -                                                       |                               |    |    |           | $85.72kg$      |
|                                                                      |                               |    |    |           | $256.60kg$     |
| Planks<br>01.07.20<br>J.E                                            |                               |    |    |           |                |
| Date of measurement - 01.10.20                                       |                               |    |    |           |                |
| (1) Plv R.C.C. H20 in Sub-<br>Structure - - etc                      |                               |    |    |           |                |
| Abut cap - $2 \times 6.00m \times 0.70m \times 0.20m$                |                               |    |    |           | $1.68m^3$      |

Continuation

## Sch. XLV-Form No. 134

| Particulars                                                                  | Details of actual measurement |    |    |    | Contents of area |
|------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                              | No.                           | L. | B. | D. |                  |
| Page No. (07) - 32.44 m <sup>3</sup>                                         |                               |    |    |    |                  |
| @ ₹ 819.43/m <sup>3</sup>                                                    |                               |    |    |    | ₹ 26582.00       |
| (12/3) Clearing & Grubbing road land - - etc                                 |                               |    |    |    |                  |
| Qty vide TMB                                                                 |                               |    |    |    |                  |
| Page No. (07) - 0.54 Hect                                                    |                               |    |    |    |                  |
| @ ₹ 49530.91/Hect                                                            |                               |    |    |    | ₹ 26746.00       |
| (13/6) Const. of Sub-graded Elshoula - - etc                                 |                               |    |    |    |                  |
| Qty vide TMB                                                                 |                               |    |    |    |                  |
| Page No. (07) - 1664.46 m <sup>3</sup>                                       |                               |    |    |    |                  |
| @ ₹ 183.51/m <sup>3</sup>                                                    |                               |    |    |    | ₹ 305445.00      |
| (14/15) Const. of Embankment with material obtained from borrow pits - - etc |                               |    |    |    |                  |
| (a) For 1000 m lead Qty vide TMB                                             |                               |    |    |    |                  |
| Page No. (08) - 269.62 m <sup>3</sup>                                        |                               |    |    |    |                  |
| @ ₹ 181.87/m <sup>3</sup>                                                    |                               |    |    |    | ₹ 49036.00       |
| (b) For 100 m lead Qty vide TMB                                              |                               |    |    |    |                  |
| Page No. (09) - 629.12 m <sup>3</sup>                                        |                               |    |    |    |                  |
| @ ₹ 139.74/m <sup>3</sup>                                                    |                               |    |    |    | ₹ 87913.00       |
| (15/2) Const. of C.S. B. by Plv well graded matl                             |                               |    |    |    |                  |
| Qty - - etc                                                                  |                               |    |    |    |                  |

Continuation

## Sch. XLV-Form No. 134

| Particulars                                             | Details of actual measurement |    |    |    | Contents of area |
|---------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                         | No.                           | L. | B. | D. |                  |
| Qty vide TMB                                            |                               |    |    |    |                  |
| Page No. (09) - 540.45 m <sup>3</sup>                   |                               |    |    |    |                  |
| @ ₹ 1666.70/m <sup>3</sup>                              |                               |    |    |    | ₹ 900768.15      |
| (16/8) P.V. Layer, spreading of compacting of W.B.M 1/3 |                               |    |    |    |                  |
| ---                                                     |                               |    |    |    |                  |
| Qty vide TMB                                            |                               |    |    |    |                  |
| Page No. (09) - 187.82 m <sup>3</sup>                   |                               |    |    |    |                  |
| @ ₹ 2504.61/m <sup>3</sup>                              |                               |    |    |    | ₹ 470452.16      |
|                                                         |                               |    |    |    | ₹ 2645726.00     |
| Add 1% Labour cost                                      |                               |    |    |    | 26457.00         |
| Add 12% G.S.T.                                          |                               |    |    |    | (+) ₹ 317487.00  |
|                                                         |                               |    |    |    | ₹ 2989670.00     |
| Less 10% below - - -                                    |                               |    |    |    | (-) ₹ 298967.00  |
|                                                         |                               |    |    |    | ₹ 2690703.00     |
| <u>Work</u>                                             |                               |    |    |    |                  |
| 28.10.20                                                |                               |    |    |    |                  |
| J.E                                                     |                               |    |    |    |                  |
| Material Statement                                      |                               |    |    |    |                  |
| (i) stone - aggregate -                                 |                               |    |    |    |                  |
| 40mm - 69.39 m <sup>3</sup> @ 441.08/m <sup>3</sup>     |                               |    |    |    |                  |
| 20mm - 38.88 m <sup>3</sup> @ 550.85/m <sup>3</sup>     |                               |    |    |    |                  |
| 10mm - 14.35 m <sup>3</sup> @ 614.17/m <sup>3</sup>     |                               |    |    |    |                  |
| (ii) Coarse Sand -                                      |                               |    |    |    |                  |
| 71.55 m <sup>3</sup> @ 150.80/m <sup>3</sup>            |                               |    |    |    |                  |
| (i) Fine Sand -                                         |                               |    |    |    |                  |
| 53.02 m <sup>3</sup> @ 116.85/m <sup>3</sup>            |                               |    |    |    |                  |

Continuation