

Pr. B. No. 3383

1K1G5Y (Sc)

Schedule XLV-Form No. 134

Construction of Road from  
Vishunpur Vindesar dixit ke  
Ghor to Harjan taluq. DIVISION

Agg. No. 102/SBD/2020-24 SUB-DIVISION

खर्च - ५१ अर्धला ३मी १६

MEASUREMENT BOOK

51cm ५२ MB No-3383

# 2nd & Final bill

8

Sch. XLV-Form No. 134

| Particulars                                                                                                                | Details of actual measurement |    |    |    | Contents of area |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                                                                            | No.                           | L. | B. | D. |                  |
| N/W:- Construction of Road from Vishunpur vinderia diorit ice ghar to Hanjan talga tak under mmcsy (sc) at block Jalalpur, |                               |    |    |    |                  |
| N/Agency - Sri Animesh Kumar Singh.                                                                                        |                               |    |    |    |                  |
| Ass. No - 102/SB/2020-21                                                                                                   |                               |    |    |    |                  |
| Date of start - 29.07.2020                                                                                                 |                               |    |    |    |                  |
| Date of completion - 28.04.2021                                                                                            |                               |    |    |    |                  |
| Date of measured - 05.04.2022                                                                                              |                               |    |    |    |                  |
|                                                                                                                            |                               |    |    |    |                  |
|                                                                                                                            |                               |    |    |    |                  |

| Items of work -           |              |                            |                                 |          |                          |
|---------------------------|--------------|----------------------------|---------------------------------|----------|--------------------------|
| ① Earthwork calculation - |              |                            |                                 |          |                          |
| Sl. No                    | chainage (m) | C/S Area (m <sup>2</sup> ) | Mean C/S Area (m <sup>2</sup> ) | Dist (m) | Volume (m <sup>3</sup> ) |
| 1                         | 0            | 1.429                      | 0.714                           | 0        | 0.00                     |
| 2                         | 50           | 2.271                      | 1.850                           | 50       | 92.50                    |
| 3                         | 100          | 2.199                      | 2.235                           | 50       | 111.75                   |
| 4                         | 150          | 2.103                      | 2.151                           | 50       | 107.55                   |
| 5                         | 200          | 2.086                      | 2.095                           | 50       | 104.725                  |
| 6                         | 250          | 1.898                      | 1.992                           | 50       | 99.60                    |
| 7                         | 300          | 2.270                      | 2.084                           | 50       | 104.20                   |
| 8                         | 350          | 2.450                      | 2.360                           | 50       | 118.00                   |
| 9                         | 400          | 2.177                      | 2.314                           | 50       | 115.675                  |
| 10                        | 450          | 1.675                      | 1.926                           | 50       | 96.30                    |
| 11.                       | 500          | 2.149                      | 1.912                           | 50       | 95.60                    |
| Total E/W including crust |              |                            |                                 |          | = 1045.9045              |

| Particulars                  | Details of actual measurement |         |      |    | Contents of area       |
|------------------------------|-------------------------------|---------|------|----|------------------------|
|                              | No.                           | L.      | B.   | D. |                        |
|                              |                               | Qty B/E | 0 =  |    | 1045.90 m <sup>2</sup> |
|                              |                               |         |      | /  |                        |
|                              |                               | Total   | = 10 |    | 45.90 m <sup>2</sup>   |
| Left for G.S.B.S             |                               |         | =    |    | 51.38 m <sup>2</sup>   |
| " " W.B.M-3                  |                               |         | =    |    | 141.49 m <sup>2</sup>  |
| " " P.C.C                    |                               |         | =    |    | 301.93 m <sup>2</sup>  |
| Net Qty of E/W               |                               |         |      |    | 551.10 m <sup>2</sup>  |
| Left for earthen shoulder    |                               |         | =    |    | 209.36 m <sup>2</sup>  |
| Net Qty of E/W in embankment |                               |         | =    |    | 341.74 m <sup>2</sup>  |
| Actual Paid Qty              |                               |         | =    |    | 812.50 m <sup>2</sup>  |
| Balance Qty                  |                               |         | =    |    | 29.24 m <sup>2</sup>   |

(2) P.V. & boxing of reference pillars = 0.500 ken.

(3) Construction of un-reinforced plain cement concrete paved as per technical specifications

|   |         |        |         |                        |
|---|---------|--------|---------|------------------------|
| 5 | 30.00 m | 3.75 m | 0.160 m | = 90.00 m <sup>2</sup> |
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| 5 | 30.00 m | 3.75 m | 0.160 m | = 90.00 m <sup>2</sup> |
| 4 | 30.00 m | 3.75 m | 0.160 m | = 18.00 m <sup>2</sup> |
| 1 | 20.00 m | 3.75 m | 0.160 m | = 12.00 m <sup>2</sup> |

Extra widening at H. curve

|   |        |         |         |                           |
|---|--------|---------|---------|---------------------------|
| 2 | 5.50 m | 0.50 m  | 0.160 m | = 0.88 m <sup>2</sup>     |
| 2 | 6.00 m | 0.550 m | 0.160 m | = 1.05 m <sup>2</sup>     |
|   |        |         |         | <u>0.96 m<sup>2</sup></u> |

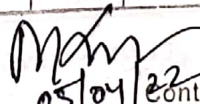
Total = 301.93 m

Continuation

| Particulars                                              | Details of actual measurement |    |    |    | Contents of area       |
|----------------------------------------------------------|-------------------------------|----|----|----|------------------------|
|                                                          | No.                           | L. | B. | D. |                        |
| (4) construction of sub-grade & earthen shoulder         |                               |    |    |    |                        |
| Sides of G.S.B.                                          |                               |    |    |    |                        |
| 2 x 5 x 30.00m x 0.625m x 0.10m                          |                               |    |    |    | = 18.75m <sup>3</sup>  |
| 2 x 5 x 30.00m x 0.625m x 0.10m                          |                               |    |    |    | = 18.75m <sup>3</sup>  |
| 2 x 5 x 30.00m x 0.625m x 0.10m                          |                               |    |    |    | = 18.75m <sup>3</sup>  |
| 2 x 1 x 30.00m x 0.625m x 0.10m                          |                               |    |    |    | = 3.75m <sup>3</sup>   |
| 2 x 1 x 20.00m x 0.625m x 0.10m                          |                               |    |    |    | = 2.50m <sup>3</sup>   |
| Sides of W.B.M-3                                         |                               |    |    |    |                        |
| 2 x 5 x 30.00m x 0.625m x 0.075m                         |                               |    |    |    | = 14.06m <sup>3</sup>  |
| 2 x 5 x 30.00m x 0.625m x 0.075m                         |                               |    |    |    | = 14.06m <sup>3</sup>  |
| 2 x 5 x 30.00m x 0.625m x 0.075m                         |                               |    |    |    | = 14.06m <sup>3</sup>  |
| 2 x 1 x 30.00m x 0.625m x 0.075m                         |                               |    |    |    | = 2.81m <sup>3</sup>   |
| 2 x 1 x 20.00m x 0.625m x 0.075m                         |                               |    |    |    | = 1.87m <sup>3</sup>   |
| Sides of C.C.                                            |                               |    |    |    |                        |
| 2 x 5 x 30.00m x 0.625m x 0.160m                         |                               |    |    |    | = 30.00m <sup>3</sup>  |
| 2 x 5 x 30.00m x 0.625m x 0.160m                         |                               |    |    |    | = 30.00m <sup>3</sup>  |
| 2 x 5 x 30.00m x 0.625m x 0.160m                         |                               |    |    |    | = 30.00m <sup>3</sup>  |
| 2 x 1 x 30.00m x 0.625m x 0.160m                         |                               |    |    |    | = 30.00m <sup>3</sup>  |
| 2 x 1 x 20.00m x 0.625m x 0.160m                         |                               |    |    |    | = 4.00m <sup>3</sup>   |
| Total                                                    |                               |    |    |    | = 209.36m <sup>3</sup> |
| (5) P.V & fixing of R.C.C MIS grade 100mm stones = 01 No |                               |    |    |    |                        |
| (6) P.V & fixing of R.C.C MIS grade 200mm stones = 02 No |                               |    |    |    |                        |

Continuation

| Particulars                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Details of actual measurement |    |    |    | Contents of area |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | No.                           | L. | B. | D. |                  |
| (7) Plv & fixing of Retro-reflective traffic sign board = 04 Nos                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                               |    |    |    |                  |
| (8) 900 mm equilateral & triangular (L & R Curve) = 02 Nos                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                               |    |    |    |                  |
| (9) 600 mm x 450 mm rectangular (Schal & plate) = 02 Nos                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                               |    |    |    |                  |
| (10) Plv & Laying of hot applied thermoplastic compound 2.5 mm thick<br>$(2 \times 5 \times 30.00 \text{ m} \times 0.10 \text{ m} = 30.00 \text{ m}^2)$<br>$(2 \times 5 \times 30.00 \text{ m} \times 0.10 \text{ m} = 30.00 \text{ m}^2)$<br>$(2 \times 5 \times 30.00 \text{ m} \times 0.10 \text{ m} = 30.00 \text{ m}^2)$<br>$(2 \times 1 \times 30.00 \text{ m} \times 0.10 \text{ m} = 6.00 \text{ m}^2)$<br>$(2 \times 1 \times 20.00 \text{ m} \times 0.10 \text{ m} = 4.00 \text{ m}^2)$<br>Total = 100.00 m <sup>2</sup> |                               |    |    |    |                  |
| (11) Plv & Laying of R.C.C pipe duct 300 mm dia = 1 x 3 x 2.50 m = 7.50 m                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |    |    |    |                  |
| (12) Plv & erecting direction & place identification traffic sign board = 01 No                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                               |    |    |    |                  |
| (13) Plv & fixing of typical message information board with logo = 04 Nos                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                               |    |    |    |                  |

  
05/04/22 Continuation  
(J.E)

| Particulars                                                                                     | Details of actual measurement |    |    |    | Contents of area |
|-------------------------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                                                 | No.                           | L. | B. | D. |                  |
| <u>Abstract of Cost</u>                                                                         |                               |    |    |    |                  |
| 1. PIV & fixing of working Benchmark pillar                                                     |                               |    |    |    |                  |
| 0.520 km, vide T.M.B.P-4                                                                        |                               |    |    |    |                  |
| (a) Rs 3612=11   km-Rs 1806=00                                                                  |                               |    |    |    |                  |
| 2/3 cleaning & grubbing of road land.                                                           |                               |    |    |    |                  |
| 0.30 Haul, vide T.M.B.P-4                                                                       |                               |    |    |    |                  |
| (a) Rs 51133=76   Haul-Rs 15,340=00                                                             |                               |    |    |    |                  |
| 3/4 Excavation for roadway in soil using manual means.                                          |                               |    |    |    |                  |
| 37.50 m <sup>3</sup> , vide T.M.B.P-4                                                           |                               |    |    |    |                  |
| (a) Rs 74=16   m <sup>3</sup> -Rs 2781=00                                                       |                               |    |    |    |                  |
| 4/5 Construction of embankment with material obtained from borrow pits with a lead upto 1000 m. |                               |    |    |    |                  |
| 312.50 m <sup>3</sup> , vide T.M.B.P-4                                                          |                               |    |    |    |                  |
| 29.24 m <sup>3</sup> , vide T.M.B.P-9                                                           |                               |    |    |    |                  |
| 341.74 m <sup>3</sup>                                                                           |                               |    |    |    |                  |
| (a) Rs 175=22   m <sup>3</sup> -Rs 59,880=00                                                    |                               |    |    |    |                  |
| 40 Rs 79,807=00                                                                                 |                               |    |    |    |                  |

Continuation

| Particulars    | Details of actual measurement |              |                             |    | Contents of area |
|----------------|-------------------------------|--------------|-----------------------------|----|------------------|
|                | No.                           | L.           | B.                          | D. |                  |
|                |                               |              | 31 ft, 13                   |    | 79,807 = 0       |
| $\frac{5}{7}$  |                               |              | Construction of granular    |    |                  |
|                |                               |              | Sub-base by partially       |    |                  |
|                |                               |              | crane graded material       |    |                  |
| 51.38          | m <sup>2</sup>                | vide Tmbl 4  |                             |    |                  |
|                |                               |              | ① 13 2874266/m <sup>2</sup> | B  | 147,957 = 0      |
| $\frac{6}{8}$  |                               |              | Plv, laying, spreading      |    |                  |
|                |                               |              | & Compacting of WBM-3       |    |                  |
| 141.49         | m <sup>2</sup>                | vide Tmbl 5  |                             |    |                  |
|                |                               |              | ① 13 3502249/m <sup>2</sup> | B  | 4,95,567 = 0     |
| $\frac{7}{78}$ |                               |              | Plv & fixing of typical     |    |                  |
|                |                               |              | masonry inframentary        |    |                  |
|                |                               |              | Sign board with logo        |    |                  |
| 02             | No.                           | vide Tmbl 5  |                             |    |                  |
| 04             | No.                           | vide Tmbl 11 |                             |    |                  |
| 06             | No.                           |              |                             |    |                  |
|                |                               |              | ① 13 10,845295/No-B         |    | 65,076 = 0       |
| $\frac{8}{2}$  |                               |              | Plv & fixing of reference   |    |                  |
|                |                               |              | pillars                     |    |                  |
| 0.580          | km                            | vide Tmbl 9  |                             |    |                  |
|                |                               |              | ① 13 1664263/km-B           |    | 832 = 0          |
| $\frac{9}{9}$  |                               |              | Construction of Un-rein.    |    |                  |
|                |                               |              | form plain cement concrete  |    |                  |
|                |                               |              | Formwork as per schedule    |    |                  |
|                |                               |              | specification,              |    |                  |
| 301.93         | m <sup>2</sup>                | vide Tmbl 9  |                             |    |                  |
|                |                               |              | ① 13 6900247/m <sup>2</sup> | B  | 20,83,459 = 0    |
|                |                               |              | ④ 13 28,72,698 =            |    | 0                |

Continuation

| Particulars         | Details of actual measurement                    |      |         |    | Contents of area |
|---------------------|--------------------------------------------------|------|---------|----|------------------|
|                     | No.                                              | L.   | B.      | D. |                  |
|                     |                                                  |      | 31F     | PS | 28,72,698 =<br>∞ |
| <del>10</del><br>6  | Construction of Sub-grade & earthen shoulder     |      |         |    |                  |
|                     | 209.36 m <sup>2</sup>                            | side | TMRP-10 |    |                  |
|                     | (a) RS 176 = 86/m <sup>2</sup>                   | B    |         |    | 37,027 = ∞       |
| <del>11</del><br>10 | Plr & fixing of R.C.C. 115 grade kilnmetz stones |      |         |    |                  |
|                     | 01 No.                                           | side | TMRP-10 |    |                  |
|                     | (a) RS 2206 = 80/10 - B                          |      |         |    | 2207 = ∞         |
| <del>12</del><br>11 | Plr & fixing of R.C.C. 115 grade 200mm strong    |      |         |    |                  |
|                     | 02 Nos.                                          | side | TMRP-10 |    |                  |
|                     | (a) RS 593 = 66/10 - B                           |      |         |    | 594 = ∞          |
| <del>13</del><br>12 | Plr & fixing of Retro-reflective traffic sign    |      |         |    |                  |
|                     | 04 Nos.                                          | side | TMRP-11 |    |                  |
|                     | (a) RS 4920 = 96/10 - B                          |      |         |    | 19684 = ∞        |
| <del>14</del><br>13 | 900 mm equilateral & triangle (L & R side)       |      |         |    |                  |
|                     | 02 Nos.                                          | side | TMRP-11 |    |                  |
|                     | (a) RS 5418 = 69/10 - B                          |      |         |    | 10,837 = ∞       |
|                     |                                                  |      | Clo     | PS | 29,43,047 =<br>∞ |

Continuation

Continuation

Continuation