

1026 Panchampur To 4 to Kariya (VR 26)

**Schedule XLV Form No. 134.**

Page N. MR-N/23-24/Tekari-8

E. E. R. W. D

TIKARI  
DIVISION

A. E. R. W. D

2012  
SUB-DIVISION

1097

**Measurement Book**

अरिमा २, कि०

# 1st and final bill

1

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 measurement relating to each work)

| Particulars             | Details of actual measurement |            |        |        | Contents of area |
|-------------------------|-------------------------------|------------|--------|--------|------------------|
|                         | No.                           | L.         | B.     | D.     |                  |
| Name of work-           | L026                          | Panchampur | TO4    |        |                  |
|                         |                               | to         | Kariya | (VR26) |                  |
| Agency-                 | Akhilesh Singh                |            |        |        |                  |
| Agreement no-           | 401BD/3054MR-NMP-18/2024-25   |            |        |        |                  |
| Date of start of work-  | 26/06/2024                    |            |        |        |                  |
| Date of completion-     | 25/03/2025                    |            |        |        |                  |
| Actual completion date- | 15/01/25                      |            |        |        |                  |
|                         |                               |            |        |        |                  |
|                         |                               |            |        |        |                  |
|                         |                               |            |        |        |                  |

## Measurement

1. clearing and grubbing  
 road land — do —

$$2 \times 56 \times 30 \times 0.750 = 2520 \text{ m}^2$$

$$\frac{2520}{10000} = 0.252 \text{ hect}$$

$$\therefore \text{cont} = 0.252 \text{ hect}$$

2. const. of subgrade &  
 earthen shoulders  
 — do —

$$2 \times 56 \times 30 \times 0.750 \times 0.35 = 882 \text{ m}^3$$

$$\text{Limit to } 859.50 \text{ m}^3$$

(i) For 1000 m lead

$$20\% \text{ of } 859.50 = 171.90 \text{ m}^3$$

(ii) For 100 m lead

$$80\% \text{ of } 859.50 = 687.60 \text{ m}^3$$

Continuation



| Particulars                                                     | Details of actual measurement      |      |      |    | Contents of area       |
|-----------------------------------------------------------------|------------------------------------|------|------|----|------------------------|
|                                                                 | No.                                | L.   | B.   | D. |                        |
| ③ const. of granular sub-base by providing well graded material |                                    |      |      |    |                        |
|                                                                 |                                    |      |      |    |                        |
|                                                                 | 9                                  | 7.20 | 1.10 | =  | 71.28 m <sup>2</sup>   |
|                                                                 | 12                                 | 6.75 | 0.90 | =  | 72.90 m <sup>2</sup>   |
|                                                                 | 10                                 | 6.90 | 1.0  | =  | 69 m <sup>2</sup>      |
|                                                                 | 12                                 | 6.50 | 1.10 | =  | 85.80 m <sup>2</sup>   |
|                                                                 | 9                                  | 7.8  | 1.20 | =  | 84.24 m <sup>2</sup>   |
|                                                                 | 12                                 | 8.50 | 0.80 | =  | 81.60 m <sup>2</sup>   |
|                                                                 | 14                                 | 7.50 | 1.30 | =  | 136.50 m <sup>2</sup>  |
|                                                                 | 10                                 | 11.0 | 1.15 | =  | 126.50 m <sup>2</sup>  |
|                                                                 | 8                                  | 12.0 | 0.75 | =  | 72 m <sup>2</sup>      |
|                                                                 | 2                                  | 6.75 | 0.95 | =  | 12.825 m <sup>2</sup>  |
|                                                                 | Total                              |      |      |    | 812.645 m <sup>2</sup> |
|                                                                 | limit to                           |      |      |    | 804                    |
| ∴ Total quantity                                                |                                    |      |      |    |                        |
|                                                                 | = 812.645 m <sup>2</sup> × 0.175 m |      |      |    |                        |
|                                                                 | = 142.212 m <sup>3</sup>           |      |      |    |                        |
|                                                                 | limit to 140.811 m <sup>3</sup>    |      |      |    |                        |
|                                                                 | ∴ amt = 140.811 m <sup>3</sup>     |      |      |    |                        |
| ④ WBM gr-II, Providing                                          |                                    |      |      |    |                        |
| laying, spreading and                                           |                                    |      |      |    |                        |
| compacting stone aggregates                                     |                                    |      |      |    |                        |
| do                                                              |                                    |      |      |    |                        |

P. T. V  
Continuation

| Particulars                               | Details of actual measurement |    |       |    | Contents of area       |
|-------------------------------------------|-------------------------------|----|-------|----|------------------------|
|                                           | No.                           | L. | B.    | D. |                        |
| 9X                                        | 7.20                          | X  | 1.10  | =  | 71.28m <sup>2</sup>    |
| 12X                                       | 6.75                          | X  | 0.90  | =  | 72.90m <sup>2</sup>    |
| 10X                                       | 6.90                          | X  | 1.0   | =  | 69m <sup>2</sup>       |
| 12X                                       | 6.50                          | X  | 1.10  | =  | 85.80m <sup>2</sup>    |
| 9X                                        | 7.8                           | X  | 1.20  | =  | 84.24m <sup>2</sup>    |
| 12X                                       | 8.50                          | X  | 0.80  | =  | 81.60m <sup>2</sup>    |
| 14X                                       | 7.50                          | X  | 1.30  | =  | 136.50m <sup>2</sup>   |
| 10X                                       | 11.0                          | X  | 1.15  | =  | 126.50m <sup>2</sup>   |
| 8X                                        | 12.0                          | X  | 0.75  | =  | 72m <sup>2</sup>       |
| 2X                                        | 6.75                          | X  | 0.95  | =  | 12.825m <sup>2</sup>   |
| 5X                                        | 6.50                          | X  | 1.20  | =  | 39.0m <sup>2</sup>     |
| 4X                                        | 8.0                           | X  | 0.75  | =  | 24m <sup>2</sup>       |
| 12X                                       | 7.40                          | X  | 1.30  | =  | 115.44m <sup>2</sup>   |
| 6X                                        | 6.70                          | X  | 1.0   | =  | 40.20m <sup>2</sup>    |
| 3X                                        | 6.90                          | X  | 0.60  | =  | 12.42m <sup>2</sup>    |
|                                           |                               |    | Total |    | 1003.505m <sup>2</sup> |
| ∴ Total quantity                          |                               |    |       |    |                        |
| = 1003.505 X 0.075 = 75.262m <sup>3</sup> |                               |    |       |    |                        |
| Limit to 74.942m <sup>3</sup>             |                               |    |       |    |                        |
| ∴ ent = 74.942m <sup>3</sup>              |                               |    |       |    |                        |
| 5) WBM gr-III, Providing,                 |                               |    |       |    |                        |
| Laying, spreading                         |                               |    |       |    |                        |
| and compacting stone                      |                               |    |       |    |                        |
| aggregates - do.                          |                               |    |       |    |                        |
| 9X                                        | 7.20                          | X  | 1.10  | =  | 71.28m <sup>2</sup>    |
| 12X                                       | 6.75                          | X  | 0.90  | =  | 72.90m <sup>2</sup>    |
| 10X                                       | 6.90                          | X  | 1.0   | =  | 69m <sup>2</sup>       |
| 12X                                       | 6.50                          | X  | 1.10  | =  | 85.80m <sup>2</sup>    |

Continuation

P.T.O

| Particulars                    | Details of actual measurement |    |    |       | Contents of area       |
|--------------------------------|-------------------------------|----|----|-------|------------------------|
|                                | No.                           | L. | B. | D.    |                        |
| 99 X 7.8 X 1.20 =              |                               |    |    |       | 84.24m <sup>2</sup>    |
| 12 X 8.50 X 0.80 =             |                               |    |    |       | 81.60m <sup>2</sup>    |
| 14 X 7.50 X 1.30 =             |                               |    |    |       | 136.50m <sup>2</sup>   |
| 10 X 11.0 X 1.15 =             |                               |    |    |       | 126.50m <sup>2</sup>   |
| 8 X 12.0 X 0.75 =              |                               |    |    |       | 72m <sup>2</sup>       |
| 2 X 6.75 X 0.95 =              |                               |    |    |       | 12.825m <sup>2</sup>   |
| 5 X 6.50 X 1.20 =              |                               |    |    |       | 39.0m <sup>2</sup>     |
| 4 X 8.0 X 0.75 =               |                               |    |    |       | 24m <sup>2</sup>       |
| 12 X 7.40 X 1.30 =             |                               |    |    |       | 115.44m <sup>2</sup>   |
| 6 X 6.70 X 1.0 =               |                               |    |    |       | 40.20m <sup>2</sup>    |
| 3 X 6.90 X 0.60 =              |                               |    |    |       | 12.42m <sup>2</sup>    |
| 6 X 10.85 X 1.75 =             |                               |    |    |       | 113.93m <sup>2</sup>   |
| 5 X 13.30 X 1.65 =             |                               |    |    |       | 109.39m <sup>2</sup>   |
| 6 X 12.25 X 2.14 =             |                               |    |    |       | 156.92m <sup>2</sup>   |
| 4 X 16.80 X 1.75 =             |                               |    |    |       | 117.60m <sup>2</sup>   |
| 6 X 9.45 X 1.75 =              |                               |    |    |       | 99.23m <sup>2</sup>    |
| 3 X 21.70 X 2.14 =             |                               |    |    |       | 138.99m <sup>2</sup>   |
| 5 X                            |                               |    |    |       |                        |
| 10 X 11.75 X 1.70 =            |                               |    |    |       | 199.75m <sup>2</sup>   |
| 4 X 9.80 X 1.40 =              |                               |    |    |       | 54.88m <sup>2</sup>    |
|                                |                               |    |    | Total | 1994.195m <sup>2</sup> |
| ∴ Total quantity               |                               |    |    |       |                        |
| = 1994.195 X 0.075             |                               |    |    |       |                        |
| = 149.564m <sup>3</sup>        |                               |    |    |       |                        |
| Limit to 149.016m <sup>3</sup> |                               |    |    |       |                        |
| ∴ ent =                        |                               |    |    |       | 149.016m <sup>3</sup>  |

Continuation

| Particulars                                                     | Details of actual measurement |                        |    |    | Contents of area               |
|-----------------------------------------------------------------|-------------------------------|------------------------|----|----|--------------------------------|
|                                                                 | No.                           | L.                     | B. | D. |                                |
| ⑥ Prime coat                                                    |                               |                        |    |    |                                |
| Providing and applying primer coat with Bitumen emulsion (SS-1) |                               |                        |    |    |                                |
| do                                                              |                               |                        |    |    |                                |
| Area used for prime coat is same as area used in WBM            |                               |                        |    |    |                                |
| 98-II vide TMB                                                  |                               |                        |    |    |                                |
| Page-④                                                          |                               |                        |    |    |                                |
| =                                                               |                               | 149.016 m <sup>3</sup> |    |    |                                |
|                                                                 |                               | 0.075 m                |    |    |                                |
| =                                                               |                               | 1986.88 m <sup>2</sup> |    |    |                                |
|                                                                 |                               |                        |    |    |                                |
|                                                                 |                               |                        |    |    | ∴ amt = 1986.88 m <sup>2</sup> |
| ⑦ Tack coat                                                     |                               |                        |    |    |                                |
| Providing and applying tack coat with bitumen emulsion (RS-1)   |                               |                        |    |    |                                |
| do                                                              |                               |                        |    |    |                                |
| 56 × 30 × 3.75 =                                                |                               |                        |    |    | 6300 m <sup>2</sup>            |
| extra widening 2.5 × 6 × 25 × 0.50 =                            |                               |                        |    |    | 75 m <sup>2</sup>              |
| Total                                                           |                               |                        |    |    | 6375 m <sup>2</sup>            |
| ⑧ SDBC, providing and laying semiclastic bituminous concrete    |                               |                        |    |    |                                |
| do                                                              |                               |                        |    |    |                                |
| 56 × 30 × 3.75 × 0.025 =                                        |                               |                        |    |    | 157.50 m <sup>3</sup>          |
| 6 × 25 × 0.50 × 0.025 =                                         |                               |                        |    |    | 1.875 m <sup>3</sup>           |
| Continuation                                                    |                               |                        |    |    |                                |
| Total                                                           |                               |                        |    |    | 159.375 m <sup>3</sup>         |

| Particulars                                                                                                 | Details of actual measurement |        |      |       | Contents of area    |
|-------------------------------------------------------------------------------------------------------------|-------------------------------|--------|------|-------|---------------------|
|                                                                                                             | No.                           | L.     | B.   | D.    |                     |
| (9) Supply and providing<br>NH 3 300 mm dia<br>kerosene pipe - do -                                         |                               |        |      |       |                     |
|                                                                                                             | 218                           | 2.50 m |      |       | 52.50 m             |
| (10) Kilometer stone                                                                                        |                               |        |      |       |                     |
| (i) 1 km stone - do -                                                                                       |                               |        |      |       |                     |
|                                                                                                             |                               |        |      | ent = | 2 No.               |
| (ii) 200 m stone - do -                                                                                     |                               |        |      |       |                     |
|                                                                                                             |                               |        |      | ent = | 9 No.               |
| (11) Providing and erecting<br>direction and place<br>identification sign<br>- do -                         |                               |        |      |       |                     |
|                                                                                                             | 2                             | 1.20   | 0.80 |       | 1.92 m <sup>2</sup> |
| (12) Providing and fixing<br>of retro-reflective<br>cautionary, mandatory<br>and informative sign<br>- do - |                               |        |      |       |                     |
| (i) 600 mm equilateral<br>triangle - do -                                                                   |                               |        |      |       |                     |
|                                                                                                             |                               |        |      | ent = | 5 No.               |
| (ii) 600 mm circular<br>board - do -                                                                        |                               |        |      |       |                     |
|                                                                                                             |                               |        |      | ent = | 2 No.               |
| (iii) 600 mm x 450 mm<br>rectangular board - do -                                                           |                               |        |      |       |                     |
|                                                                                                             |                               |        |      | ent = | 3 No.               |
| (iv) 700 mm side octagon<br>- do -                                                                          |                               |        |      |       |                     |
|                                                                                                             |                               |        |      | ent = | 1 No.               |

Continuation



# Abstract of cost

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| Particulars                                                                        | Details of actual measurement |    |    |    | Contents of area |
|------------------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                                    | No.                           | L. | B. | D. |                  |
| ① clearing & grubbing road land — do —                                             |                               |    |    |    |                  |
| amt = 0.252 hect                                                                   |                               |    |    |    |                  |
| P-① @ Rs 76926.08                                                                  |                               |    |    |    |                  |
|                                                                                    |                               |    |    |    | Rs 19385/-       |
| ② const. of subgrade & earthen shoulders — do —                                    |                               |    |    |    |                  |
| amt = 859.50 m <sup>3</sup> P-①                                                    |                               |    |    |    |                  |
| @ Rs —                                                                             |                               |    |    |    |                  |
| (i) For 1000 m lead                                                                |                               |    |    |    |                  |
| amt = 171.90 m <sup>3</sup>                                                        |                               |    |    |    |                  |
| vide. TMB P-①                                                                      |                               |    |    |    |                  |
| @ Rs 264.72                                                                        |                               |    |    |    |                  |
|                                                                                    |                               |    |    |    | Rs 45505/-       |
| (ii) For 100 m lead                                                                |                               |    |    |    |                  |
| amt = 687.60 m <sup>3</sup> P-①                                                    |                               |    |    |    |                  |
| @ Rs 173.51                                                                        |                               |    |    |    | Rs 119305/-      |
| ③ const. of granular subbase — do —                                                |                               |    |    |    |                  |
| amt = 140.811 m <sup>3</sup> P-②                                                   |                               |    |    |    |                  |
| @ Rs 1771.08                                                                       |                               |    |    |    | Rs 249387/-      |
| ④ WBm grade II, Providing laying, spreading and compacting stone aggregates — do — |                               |    |    |    |                  |

Continuation

P.T.O

| Particulars                                                       | Details of actual measurement |    |    |    | Contents of area |
|-------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                   | No.                           | L. | B. | D. |                  |
| ent = 74.942 P-(3)                                                |                               |    |    |    |                  |
| @ Rs 3307.52 =                                                    |                               |    |    |    | Rs 247872=       |
| (5) WBM gr. - III                                                 |                               |    |    |    |                  |
| Providing, laying, spreading and compacting stone aggregates - do |                               |    |    |    |                  |
| ent = 149.016 m <sup>3</sup> P-(4)                                |                               |    |    |    |                  |
| @ Rs 3293.19 =                                                    |                               |    |    |    | Rs 490738=       |
| (6) Prime coat                                                    |                               |    |    |    |                  |
| do                                                                |                               |    |    |    |                  |
| ent = 1986.88 m <sup>2</sup>                                      |                               |    |    |    |                  |
| P-(5) @ Rs 57.23 =                                                |                               |    |    |    | Rs 113689=       |
| (7) Tack coat                                                     |                               |    |    |    |                  |
| do                                                                |                               |    |    |    |                  |
| ent = 6375 m <sup>2</sup> P-(5)                                   |                               |    |    |    |                  |
| @ Rs 19.65 =                                                      |                               |    |    |    | Rs 125269=       |
| (8) SDBC, Providing and laying semi-dense bituminous concrete.    |                               |    |    |    |                  |
| do                                                                |                               |    |    |    |                  |
| ent = 159.375 m <sup>3</sup> P-(5)                                |                               |    |    |    |                  |
| @ Rs 12098.29 =                                                   |                               |    |    |    | Rs 1928165=      |
| (9) Supply and providing NP-3 300 mm dia. knee lift - do          |                               |    |    |    |                  |
| ent = 52.50 m P-(6)                                               |                               |    |    |    |                  |
| @ Rs 645.31 =                                                     |                               |    |    |    | Rs 33879=        |

Continuation

| Particulars                                                       | Details of actual measurement |    |    |    | Contents of area |
|-------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                   | No.                           | L. | B. | D. |                  |
| (10) Kilometer stone                                              |                               |    |    |    |                  |
| (i) Kilometer stone - do -                                        |                               |    |    |    |                  |
| ant = 2 No. P- (6)                                                |                               |    |    |    |                  |
| @ Rs 2739.33 = Rs 5479 =                                          |                               |    |    |    |                  |
| (ii) 200 m stone - do -                                           |                               |    |    |    |                  |
| ant = 9 No. P- (6)                                                |                               |    |    |    |                  |
| @ Rs 791.80 = Rs 7126 =                                           |                               |    |    |    |                  |
| (11) Providing & erecting direction and place identification sign |                               |    |    |    |                  |
| - do -                                                            |                               |    |    |    |                  |
| ant = 1.92 m <sup>2</sup> P- (6)                                  |                               |    |    |    |                  |
| @ Rs 14848.45 = Rs 28509 =                                        |                               |    |    |    |                  |

|                                                                                           |  |  |  |  |  |
|-------------------------------------------------------------------------------------------|--|--|--|--|--|
| (12) Providing & fixing of retro-reflectorised cautionary, mandatory and informatory sign |  |  |  |  |  |
| - do -                                                                                    |  |  |  |  |  |
| (i) 600 mm equilateral triangle - do -                                                    |  |  |  |  |  |
| ant = 5 No. P- (6)                                                                        |  |  |  |  |  |
| @ Rs 4326.35 = Rs 21632 =                                                                 |  |  |  |  |  |
| (ii) 600 mm circular board - do -                                                         |  |  |  |  |  |
| ant = 2 No. P- (6)                                                                        |  |  |  |  |  |
| @ Rs 4197.18 = Rs 8394 =                                                                  |  |  |  |  |  |

Continuation

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| Particulars                                                     | Details of actual measurement |    |       |    | Contents of area |
|-----------------------------------------------------------------|-------------------------------|----|-------|----|------------------|
|                                                                 | No.                           | L. | B.    | D. |                  |
| (10) Kilometer stone                                            |                               |    |       |    |                  |
| (i) Kilometer stone - do                                        |                               |    |       |    |                  |
|                                                                 |                               |    | P-(6) |    |                  |
|                                                                 |                               |    |       |    | 54792            |
| ent = 3                                                         |                               |    |       |    |                  |
| @ Rs 4052.65                                                    |                               |    |       |    | 121582           |
| (iv) 900 mm side octagon                                        |                               |    |       |    |                  |
| do                                                              |                               |    |       |    |                  |
| ent = 1 No. P-(6)                                               |                               |    |       |    |                  |
| @ Rs 8522.01 = Rs 8522                                          |                               |    |       |    |                  |
| (13) Planting of trees by the road side                         |                               |    |       |    |                  |
| do                                                              |                               |    |       |    |                  |
| ent = 96 No. P-(7)                                              |                               |    |       |    |                  |
| @ Rs 1305.10 = Rs 125290                                        |                               |    |       |    |                  |
| (14) Providing and Laying of hot applied Thermoplastic compound |                               |    |       |    |                  |
| do                                                              |                               |    |       |    |                  |
| ent = 336 m <sup>2</sup> P-(7)                                  |                               |    |       |    |                  |
| @ Rs 886.50 = Rs 297864                                         |                               |    |       |    |                  |
| (15) Providing & fixing of typical mmbsy                        |                               |    |       |    |                  |
| informatory sign board                                          |                               |    |       |    |                  |
| do                                                              |                               |    |       |    |                  |
| ent = 2 No. P-(7)                                               |                               |    |       |    |                  |
| @ Rs 10706.26 = Rs 21413                                        |                               |    |       |    |                  |

C/o Total Rs 3909581  
Continuation

Sch. XIV-Form No. 134

| Particulars                     | Details of actual measurement |    |       |    | Contents of area      |
|---------------------------------|-------------------------------|----|-------|----|-----------------------|
|                                 | No.                           | L. | B.    | D. |                       |
|                                 |                               |    | B/F   | Rs | 3909581=              |
|                                 |                               |    |       |    | /                     |
|                                 |                               |    | Total | Rs | 3909581=              |
| Add GST-18% (+)                 |                               |    |       | Rs | 703725=               |
| Add Labour cum 1% (+)           |                               |    |       | Rs | 39096=                |
| Add Scigniorage fee (+)         |                               |    |       | Rs | 56758=                |
|                                 |                               |    | Total | Rs | 4709160=              |
| Less 0.25% as per agreement (-) |                               |    |       | Rs | 11773=                |
|                                 |                               |    | Total | Rs | 4697387               |
| Gaining<br>15/10/25<br>JE       |                               |    |       |    | Agt<br>15/10/25<br>AF |
|                                 |                               |    |       |    | 15/10/25<br>15/10/25  |