

Agency - Ring Singh

Mali pd. to Sanjaykhab.  
Schedule XLV - Form No. 13A;

Maharaj

for the day

DIHAR P.W.D.

E.E. R.W.D. Allahabad

DIVISION

A.E. Nabijnagar

AND DIVISION

WASUNDAWAT BOOK

No. 2684

Certified That This M.B. Contain (100)  
Pages By Printers Matching And Issued  
To Sri. Dinesh Kumar Singh A.E. R.W.D  
Work Sub-Div. Nabinagar

YK Singh  
10/7/20  
Executive Engineer  
Rural Works Division, rd  
Work Division Aurangabad  
10/7/20

Schedule KLV - Form No. 134.

E.E. A. Singh DIVISION.

A.E. Nabinagar SUB-DIVISION.

MEASUREMENT BOOK.

2684

231322

Sri Dinesh Kumar Singh A.E. Nabinagar

Date of issue

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 |                  |
|             | 1st on A/c Bill               |   |   |                  |

Name of Work - Nabinaagar Mukha to Surgakhet  
 Order No. H.M. 6184

Agency - Rina Singh, Village Sonbaria  
 Obra Arrangin Badol

Agreement No - 748 BD / 2020-21

Agreement Value - Rs 6356627.00

Date of Work Start - 31/02/2020

Date of completion - 30/04/2021

Rate - 17.50 per sq. m. & Rate

### Measurement

① Digging and filling of

Working Bench Mark

Rate - d. 125

$$1 \times 2 = 2 \text{ M}$$

③ clearing and grubbing

road Canal - d. 125

$$2 \times 18 \times 30 \times 3.6 \text{ m} = 3888 \text{ m}^2$$

$$2 \times 3 \times 30 \times 3.6 \text{ m} = 648 \text{ m}^2$$

$$2 \times 4 \times 30 \times 3.6 \text{ m} = 864 \text{ m}^2$$

$$2 \times 2 \times 25 \times 3.7 \text{ m} = 370 \text{ m}^2$$

$$2 \times 6 \times 30 \times 3.6 \text{ m} = 1296 \text{ m}^2$$

$$7066 \text{ m}^2$$

$$= 0.71 \text{ M}^2$$

⑤ Construction of G.R. road H.P. Canal

Continuation

| Particulars                                                  | Details of actual measurement |   |   |   | Contents of area     |
|--------------------------------------------------------------|-------------------------------|---|---|---|----------------------|
|                                                              | No.                           | L | B | D |                      |
| (31) E.P.W. in excavation for<br>perimeter of Ditch at d-21  |                               |   |   |   |                      |
| H.W. 2x 2x 3.90m x 1.15m x 1.50m = 26.91 M <sup>3</sup>      |                               |   |   |   |                      |
| Balms 2x 2x 5.350m x 1.150m x 3.6m = 4.49 M <sup>3</sup>     |                               |   |   |   |                      |
|                                                              |                               |   |   |   | 31.40 M <sup>3</sup> |
| (32) Laying P.C.C. M.S. ground<br>(1:2:5) in foundation - d- |                               |   |   |   |                      |
| H.W. 2x 3.90m x 1.15m x 0.15m = 2.69 M <sup>3</sup>          |                               |   |   |   |                      |
| B.P. 2x 2x 5.35m x 1.15m x 0.150 = 3.05 M <sup>3</sup>       |                               |   |   |   |                      |
|                                                              |                               |   |   |   | 5.7 M <sup>3</sup>   |
| (33) Laying P.C.C. M.S.<br>in 2nd - 3rd floor - d-21         |                               |   |   |   |                      |
| H.W. 2x 2x 3.60m x 0.700m x 2.78m = 28.02                    |                               |   |   |   |                      |
| 2x 2x 3.60m x 0.40m x 0.600m = 3.45 M <sup>3</sup>           |                               |   |   |   |                      |

|                                                                     |  |  |  |  |                      |
|---------------------------------------------------------------------|--|--|--|--|----------------------|
|                                                                     |  |  |  |  | 31.48 M <sup>3</sup> |
| Less for<br>P.R. 2x 0.7857m x 0.27m x 0.520m = 0.574 M <sup>3</sup> |  |  |  |  |                      |
|                                                                     |  |  |  |  | 30.90 M <sup>3</sup> |
|                                                                     |  |  |  |  | 30.34 M <sup>3</sup> |

|                                                                                  |  |  |  |  |  |
|----------------------------------------------------------------------------------|--|--|--|--|--|
| (34) Laying and laying P.C.C.<br>size 11/2 of 60mm dia<br>for H.P. column - d-21 |  |  |  |  |  |
| 2x 3x 2.5m = 15.00 M <sup>3</sup>                                                |  |  |  |  |  |

|                                                                                                   |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------|--|--|--|--|--|
| (35) Laying and laying P.C.C.<br>size of 20mm dia<br>- d-21 for 4x 4x 2.5m = 40.00 M <sup>3</sup> |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------|--|--|--|--|--|

Construction of 20mm dia H.P. column

|                                                    |  |  |  |  |  |
|----------------------------------------------------|--|--|--|--|--|
| (36) E.W. in excavation for<br>of 2nd floor - d-21 |  |  |  |  |  |
|----------------------------------------------------|--|--|--|--|--|

Continuation

| Particulars                      | Details of actual measurement |        |        |   | Contents of area      |
|----------------------------------|-------------------------------|--------|--------|---|-----------------------|
|                                  | No.                           | L      | B      | D |                       |
| H.W                              | 2x6.45                        | x1.40  | x1.50m |   | 27.090                |
| Below Ridge                      | 1x4.85                        | x1.55  | x0.25m |   | 2.74                  |
|                                  |                               |        |        |   | 29.8043               |
| (37) Landing R.C. M.S. (1:2:5:5) |                               |        |        |   |                       |
| as landing in table - d. B.I.    |                               |        |        |   |                       |
| H.W                              | 2x6.45                        | x1.40  | x0.15  |   | 2.709 M <sup>2</sup>  |
| Below Ridge                      | 1x4.85                        | x1.55  | x0.25m |   | 1.910 M <sup>2</sup>  |
|                                  |                               |        |        |   | 4.6 M <sup>2</sup>    |
| (38) Landing R.C. M.S. (1:2:5:5) |                               |        |        |   |                       |
| Main 8 M.S. structure - B.I.     |                               |        |        |   |                       |
| H.W                              | 2x6.15                        | x0.825 | x3.18  |   | 32.269 M <sup>2</sup> |
| Below Ridge                      | 2x6.15                        | x0.41  | x0.500 |   | 3.026 M <sup>2</sup>  |
|                                  |                               |        |        |   | 35.295 M <sup>2</sup> |
| less for fire                    | 2x0.785                       | x1.225 | x0.622 |   | 1.478 M <sup>2</sup>  |

|                                           |     |        |  |  |                               |
|-------------------------------------------|-----|--------|--|--|-------------------------------|
|                                           |     |        |  |  | 33.817 M <sup>2</sup>         |
|                                           |     |        |  |  | But last 33.74 M <sup>2</sup> |
| (39) Landing and Landing R.C.             |     |        |  |  |                               |
| Ridge M.P. 4160 m <sup>2</sup>            |     |        |  |  |                               |
| for H.B. Calm - d - B.I.                  |     |        |  |  |                               |
|                                           | 1x3 | x2.50m |  |  | 7.50 M <sup>2</sup>           |
| (40) Landing and Landing R.C.             |     |        |  |  |                               |
| Typical M.P. G.S.V. Infrastructure        |     |        |  |  |                               |
| Ridge R.C. - d - B.I.                     |     |        |  |  |                               |
|                                           | 1x2 | No     |  |  | 2 No                          |
| (41) Landing 2 R.C. R.C. R.C.             |     |        |  |  |                               |
| Ridge - d - d - B.I.                      |     |        |  |  |                               |
|                                           | 1x1 |        |  |  | 1 No                          |
| (42) Construction of embankment           |     |        |  |  |                               |
| with applied width of 1000 m <sup>2</sup> |     |        |  |  |                               |
| at 1000 m <sup>2</sup> Calcutta           |     |        |  |  |                               |

Continuation

| S.No | C/A | Particulars | Date of actual measurement |      |      | Constant of area |
|------|-----|-------------|----------------------------|------|------|------------------|
|      |     |             | No.                        | I    | II   |                  |
|      |     | (ft)        | Area                       | Area | Area | Value (sq ft)    |
| 1    | 0   | 1.410       |                            |      |      |                  |
| 2    | 50  | 1.356       | 1.492                      | 50   |      | 74.1504          |
| 3    | 100 | 1.073       | 1.315                      | 50   |      | 65.725           |
| 4    | 150 | 1.007       | 1.040                      | 50   |      | 52.00            |
| 5    | 200 | 0.919       | 0.963                      | 50   |      | 48.150           |
| 6    | 250 | 1.146       | 1.032                      | 50   |      | 51.575           |
| 7    | 300 | 0.962       | 1.053                      | 50   |      | 52.650           |
| 8    | 350 | 1.143       | 1.053                      | 50   |      | 52.625           |
| 9    | 400 | 0.839       | 0.991                      | 50   |      | 49.550           |
| 10   | 450 | 1.040       | 0.940                      | 50   |      | 46.975           |
| 11   | 500 | 0.906       | 0.973                      | 50   |      | 48.650           |
| 12   | 550 | 1.069       | 0.988                      | 50   |      | 49.375           |
| 13   | 600 | 1.165       | 1.117                      | 50   |      | 55.850           |

|    |     |       |       |    |  |           |
|----|-----|-------|-------|----|--|-----------|
| 14 | 650 | 0.775 | 0.970 | 50 |  | 48.5004   |
| 15 | 700 | 0.807 | 0.791 | 50 |  | 39.550    |
| 16 | 750 | 0.848 | 0.828 | 50 |  | 41.375    |
| 17 | 800 | 1.632 | 1.240 | 50 |  | 62.000    |
| 18 | 850 | 1.193 | 1.413 | 50 |  | 70.625    |
| 19 | 900 | 1.276 | 1.255 | 50 |  | 61.725    |
| 20 | 950 | 1.073 | 1.175 | 50 |  | 58.725    |
|    |     |       |       |    |  | 1029.7754 |

Load 4 ft to 100 m = 163.4043

Load 4 ft to 1000 m = 566.3843

⑨ Considering area of sub-ground to be 24.4444

26 x 30 m x 7.276 m (10) x 0.30 m = 1702.58

1 x 20 m x 7.276 m (10) x 0.20 m = 43.65

1746.234

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| Particulars                                                                       | Dimensions of actual measurement |   |   |   | Quantity of work      |
|-----------------------------------------------------------------------------------|----------------------------------|---|---|---|-----------------------|
|                                                                                   | No.                              | L | B | H |                       |
| Main structure                                                                    |                                  |   |   |   |                       |
| ⑨ Providing concrete for column in soil - do (including) - 1.00m                  |                                  |   |   |   |                       |
| $2 \times 7 \times 30 \times 0.75 \text{ m} = 15.75 \text{ m}^3$                  |                                  |   |   |   |                       |
| ⑤ Construction of concrete - do deposited at 1.1k - do                            |                                  |   |   |   |                       |
| 60% of the No. ④                                                                  |                                  |   |   |   |                       |
| $= 15.75 \times 60\% = 9.45 \text{ m}^3$                                          |                                  |   |   |   |                       |
| ⑩ Construction of ground in - do G.I.C. 7/2 - do -                                |                                  |   |   |   |                       |
| In B.T. Part $2 \times 30 \times 4.10 \times 0.20 \text{ m} = 639.60 \text{ m}^3$ |                                  |   |   |   |                       |
| $1 \times 20 \times 4.50 \times 0.20 \text{ m} = 18.00 \text{ m}^3$               |                                  |   |   |   |                       |
| Local $2 \times 3 \times 30 \times 0.20 \text{ m} = 6.75 \text{ m}^3$             |                                  |   |   |   |                       |
| $2 \times 3 \times 30 \times 0.20 \text{ m} = 6.75 \text{ m}^3$                   |                                  |   |   |   |                       |
| $1 \times 3 \times 10 \times 4.30 \text{ m} = 12.00 \text{ m}^3$                  |                                  |   |   |   |                       |
|                                                                                   |                                  |   |   |   | 658.10 m <sup>3</sup> |
|                                                                                   |                                  |   |   |   | 658.10 m <sup>3</sup> |
|                                                                                   |                                  |   |   |   | 658.10 m <sup>3</sup> |
| ⑪ Linking/ground/land and Compaction - do W.B.M. 7-3                              |                                  |   |   |   |                       |
| - do do C.I.                                                                      |                                  |   |   |   |                       |
| (A) In B.T. Part                                                                  |                                  |   |   |   |                       |
| $2 \times 30 \times 3.80 \text{ m} = 2850.00 \text{ m}^2$                         |                                  |   |   |   |                       |
| $1 \times 3 \times 10 \times 4.10 \text{ m} = 123.00 \text{ m}^2$                 |                                  |   |   |   |                       |
| $1 \times 1 \times 20 \times 4.40 \text{ m} = 88.00 \text{ m}^2$                  |                                  |   |   |   |                       |
| (A) 3061.00 m <sup>2</sup>                                                        |                                  |   |   |   |                       |
| Volume = $3061.00 \text{ m}^2 \times 0.075 \text{ m} = 229.57 \text{ m}^3$        |                                  |   |   |   |                       |
| Local $6 \times 30 \times 3.75 \times 0.75 \text{ m} = 50.62 \text{ m}^3$         |                                  |   |   |   |                       |
| $3 \times 10 \times 4.20 \times 0.75 \text{ m} = 9.45 \text{ m}^3$                |                                  |   |   |   |                       |
|                                                                                   |                                  |   |   |   | 289.64 m <sup>3</sup> |
|                                                                                   |                                  |   |   |   | 229.57 m <sup>3</sup> |

Continuation

| Particulars                           | Details of actual measurement |   |      |   | Quantity of area     |
|---------------------------------------|-------------------------------|---|------|---|----------------------|
|                                       | No                            | L | B    | D |                      |
| (R) Constellation of walling shoulder |                               |   |      |   |                      |
| - d -                                 |                               |   | 1.41 | 1 |                      |
| 2x26x20m x 1.182m (V) x 0.075m        |                               |   |      |   |                      |
| 2x1x20m x 1.182m (V) x 0.075m         |                               |   |      |   |                      |
|                                       |                               |   |      |   | 138.29m <sup>2</sup> |
|                                       |                               |   |      |   | 3.55                 |
| 2x26x20m x 1.388m (V) x 0.20m         |                               |   |      |   | 433.05               |
| 2x1x20m x 1.388m (V) x 0.20m          |                               |   |      |   | 11.10m <sup>2</sup>  |
| 2x3x20m x 1.40m (V) x 0.20m           |                               |   |      |   | 50.40m <sup>2</sup>  |
|                                       |                               |   |      |   | 625.29m <sup>2</sup> |
| Sum:                                  |                               |   |      |   |                      |
| 541.21                                |                               |   |      |   |                      |
| S.R.                                  |                               |   |      |   |                      |

|                                          |  |
|------------------------------------------|--|
| Estimate of Bill                         |  |
| Abstract of cost                         |  |
| (1) Drilling and filling of              |  |
| Winky Bm Billings - d. 1.41              |  |
| Hydrate T.M.B. No. (1)                   |  |
| = 2.11m                                  |  |
| @ 2957.88/m <sup>2</sup> - R- 7916 = 0   |  |
| (2) clearing and grubbing                |  |
| red soil - d. 1.41                       |  |
| Hydrate T.M.B. No. (1)                   |  |
| = 0.71m                                  |  |
| @ 51133 = 76/m <sup>2</sup> R- 36305 = 0 |  |
| (3) Drilling - d. Box culvert            |  |
| Hydrate T.M.B. No. (5) 15.2m             |  |
| @ 74216/m <sup>2</sup> - R- 1168 = 0     |  |

Continuation

| Particulars                                                                                                                                     | Details of actual measurement |   |   |   | Contents of area |
|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---|---|---|------------------|
|                                                                                                                                                 | No.                           | L | B | D |                  |
| ⑥ Construction embankment<br>- d-rip side of alkil - 4 -<br>align T.M.D.R. No. ⑤<br>= 9.45 m <sup>2</sup>                                       |                               |   |   |   |                  |
| ⑦ 26 = 11/m <sup>2</sup> - R - 247 =                                                                                                            |                               |   |   |   |                  |
| ⑥ Construction embankment<br>- d-rip between P.D. d-rip<br>level - 100 m<br>align T.M.D.R. No. ⑤<br>483.40 m <sup>2</sup> 525.29 m <sup>2</sup> |                               |   |   |   |                  |
| ⑦ 131 = 0.7/m <sup>2</sup> - R - 60719 = 0                                                                                                      |                               |   |   |   |                  |
| ⑦ Construction embankment<br>between P.D. - d-rip - 100 m<br>align T.M.D.R. No. ④<br>= 566.58 m <sup>2</sup>                                    |                               |   |   |   |                  |
| ⑦ 174 = 94/m <sup>2</sup> - R - 99083 =                                                                                                         |                               |   |   |   |                  |
| ⑧ Construction embankment<br>shoulder - d-rip<br>align T.M.D.R. No. ⑥<br>= 625.29 m <sup>2</sup>                                                |                               |   |   |   |                  |
| ⑦ 176 = 58/m <sup>2</sup> - R - 110414 = 0                                                                                                      |                               |   |   |   |                  |
| ⑨ Construction sub-grade<br>eastern shoulder d-rip<br>align T.M.D.R. No. ④<br>= 1663.46 m <sup>2</sup>                                          |                               |   |   |   |                  |
| ⑦ 141 = 17/m <sup>2</sup> - R - 235678 =                                                                                                        |                               |   |   |   |                  |
| ⑩ Land d-rip G.S.D. No.<br>- d-rip - 100 m<br>align T.M.D.R. No. ⑤<br>658.00 m <sup>2</sup> 686.45 m <sup>2</sup>                               |                               |   |   |   |                  |
| ⑦ 2739238/m <sup>2</sup> - R - 1880530 = 0                                                                                                      |                               |   |   |   |                  |

Continuation R-18,025125





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