

~~Mukesh Kumar~~

MUKESH KUMAR

Mukesh Kumar  
Ag No - 77 (SBD)/2020-21

Kharsari PNG Sy Road To Kharsari Alphonkhyak  
Toka Angwarbani

Schedule XLV From N. 134

P.W.D.

Head - M M Gust (SC)

R. W. D (w) Jamui

DIVISION

JAMUI

SUB DIVISION

# MEASUREMENT BOOK

2861

1st on A/c Bell

Name of work - 1

Situation of work -

Agency by which work is executed -

Date of measurement

No. and date of agreement

(These four lines should be repeated and the commencement of the measurement relating to each work.)

| Particulars                                                        | Details of actual measurement |    |    |    | Contents or area |
|--------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                    | No.                           | L. | B. | D. |                  |
| Name of work:- Construction of Road                                |                               |    |    |    |                  |
| From Khamsari PMGSY Road to                                        |                               |    |    |    |                  |
| Khamsari Apsamkhya to Arjuni                                       |                               |    |    |    |                  |
| under PMGSY                                                        |                               |    |    |    |                  |
| Agency:- Mukesh Kumar, At-VIP Colony                               |                               |    |    |    |                  |
| Beltoni, P.O.A.P.+Dist-Tamuli                                      |                               |    |    |    |                  |
| Agreement No - 77(SB2)/2020-21                                     |                               |    |    |    |                  |
| Date of commencement - 19/03/2021                                  |                               |    |    |    |                  |
| Date of completion - 18/03/2022                                    |                               |    |    |    |                  |
| Detail/p                                                           |                               |    |    |    |                  |
| (1) Excavation work for foundation of structures - do etc all      |                               |    |    |    |                  |
| Complete job                                                       |                               |    |    |    |                  |
| H/W - $4 \times 2 \times 3.90 \times 1.50 \times 1.50 = 53.82 m^3$ |                               |    |    |    |                  |
| Below pipe - $4 \times 5.350 \times 1.130 \times 0.365 = 8.82 m^3$ |                               |    |    |    |                  |
| Total =                                                            |                               |    |    |    | $62.64 m^3$      |
| (2) P/R P-CC M-15 for foundation                                   |                               |    |    |    |                  |
| as levelling course etc                                            |                               |    |    |    |                  |
| etc - all Complete job                                             |                               |    |    |    |                  |
| H/W - $4 \times 2 \times 3.90 \times 1.50 \times 0.150 = 5.38 m^3$ |                               |    |    |    |                  |
| D/pipe - $4 \times 5.311 \times 1.130 \times 0.250 = 6.00 m^3$     |                               |    |    |    |                  |
| Total =                                                            |                               |    |    |    | $11.38 m^3$      |

(Continuation)



## Sch. XLV- Form No. 134

| Particulars | Details of actual measurement |       |       |     | Contents or area |
|-------------|-------------------------------|-------|-------|-----|------------------|
|             | No.                           | L.    | B.    | D.  |                  |
| 10.         | 200                           | 4.050 | 4.100 | 100 | 410.000          |
| 11.         | 300                           | 4.080 | 4.065 | 100 | 408.500          |
| 12.         | 400                           | 4.040 | 4.060 | 100 | 408.000          |
| 13.         | 500                           | 4.110 | 4.075 | 100 | 407.500          |
| 14.         | 600                           | 4.090 | 4.100 | 100 | 410.000          |
| 15.         | 700                           | 3.470 | 3.780 | 100 | 378.000          |
| 16.         | 800                           | 4.630 | 4.050 | 100 | 405.000          |
| 17.         | 900                           | 4.640 | 4.635 | 100 | 463.500          |
| 18.         | 971                           | 4.760 | 4.700 | 71  | 333.70           |
|             |                               |       |       | (B) | 4036.700         |

$$\text{Total (A+B)} = (1558.135 + 4036.700) = 5594.835 \text{ m}^2$$

Allowed -  $5500 \text{ m}^2$  width G.S.B -  
 Less G.S.B Qty @  $105.41 \text{ m}^2 = 4248.59 \text{ m}^2$   
 E/W in subgrade

(6) (i)  $1100.0 \times 7.80 \times 0.30 = 2574.00 \text{ m}^2$  (i)

E/W in embankment and B/shoulder

Qty -  $\text{Total E/W} - \text{Subgrade}$   
 $4248.59 - 2574.00$   
 $= 1674.59 \text{ m}^2$

(ii) B/shoulder Qty - B.F. portion

$2 \times 1100.0 \times 1.490 \times 0.200 = 655.60 \text{ m}^2$  (A)

C.C. portion -

$2 \times 400.0 \times 1.220 \times 0.100 = 156.16 \text{ m}^2$  (B)

Total = (A+B) =  $811.76 \text{ m}^2$  (ii)

(iii) E/W in embank =  $(1674.59 - 811.76) \text{ m}^2$

$= 862.83 \text{ m}^2$  (iii)

(A) For 1000 m length:  $862.83 \times 2\%$  =  $224.32 \text{ m}^2$  (A)

(B) For 1000 m length:  $862.83 \times 7\%$  =  $603.98 \text{ m}^2$  (B)

(6A) Setting up p/c/lane work embankment etc.  
 Qty -  $1 \times 1500.00 \text{ m} = 1.5 \text{ km}$

(Continuation)

| Particulars                        | Details of actual measurement |    |    |    | Contents or area                              |
|------------------------------------|-------------------------------|----|----|----|-----------------------------------------------|
|                                    | No.                           | L. | B. | D. |                                               |
| 30 30.0 x 4.15 x 0.200 ~           |                               |    |    |    | 72.900m <sup>3</sup><br>145.800m <sup>3</sup> |
| 10 10.0 x 4.15 x 0.200 ~           |                               |    |    |    | 8.10m <sup>3</sup><br>8.10m <sup>3</sup>      |
| <u>C.L. footage</u>                |                               |    |    |    |                                               |
| 20 30.0 x 3.75 x 0.100 ~           |                               |    |    |    | 33.75m <sup>3</sup>                           |
| 30 30.0 x 3.75 x 0.100 ~           |                               |    |    |    | 33.75m <sup>3</sup>                           |
| 20 30.0 x 3.75 x 0.100 ~           |                               |    |    |    | 22.50m <sup>3</sup>                           |
| 50 30.0 x 3.75 x 0.100 ~           |                               |    |    |    | 56.25m <sup>3</sup>                           |
| 10 10.0 x 3.75 x 0.100 ~           |                               |    |    |    | 3.75m <sup>3</sup>                            |
| B.F. portion for parapet to be cut |                               |    |    |    |                                               |
| 10 15.0 x 6.0 + 4.05 x 0.200 ~     |                               |    |    |    | 15.07m <sup>3</sup>                           |
|                                    |                               |    |    |    |                                               |
| 60 30.0 x 4.15 x 0.200 ~           |                               |    |    |    | 145.80m <sup>3</sup>                          |
| 50 30.0 x 4.15 x 0.200 ~           |                               |    |    |    | 121.50m <sup>3</sup>                          |
| 80 30.0 x 4.15 x 0.200 ~           |                               |    |    |    | 194.40m <sup>3</sup>                          |
| 70 30.0 x 4.15 x 0.200 ~           |                               |    |    |    | 170.10m <sup>3</sup>                          |
| 50 30.0 x 4.15 x 0.200 ~           |                               |    |    |    | 121.50m <sup>3</sup>                          |
| 10 28.0 x 4.15 x 0.200 ~           |                               |    |    |    | 22.68m <sup>3</sup>                           |
|                                    |                               |    |    |    | Total = 1208.57m <sup>3</sup>                 |
|                                    |                               |    |    |    | Total = 1046.57m <sup>3</sup>                 |

(12) Dr and laying of R.C

pipa duct across the road

at 300mm dia at all

complete job

Qty ~ 60 3 x 2.50 = 45.00m

(13) Clearing and grubbing work

work done at all locations

(Continuation)

# Abstract of Cost

7

Sch. XLV- Form No. 134

| Particulars                                                                | Details of actual measurement |    |    |    | Contents or area |
|----------------------------------------------------------------------------|-------------------------------|----|----|----|------------------|
|                                                                            | No.                           | L. | B. | D. |                  |
| (1) Plr and fixing working bench<br>mark pillars etc - all<br>complete job |                               |    |    |    |                  |
| Qty - V.T.M.B. Page (3) Item No -                                          |                               |    |    |    |                  |
| (6A) = 1.50 km @ Rs 322.89 = 48405=00                                      |                               |    |    |    |                  |
| (2) Clearing and grubbing road<br>land etc - all complete job              |                               |    |    |    |                  |
| Qty - V.T.M.B. Page (2) Item No -                                          |                               |    |    |    |                  |
| (4A) = 0.525 Ha                                                            |                               |    |    |    |                  |
| @ Rs 5113.32/Ha = 26845=00                                                 |                               |    |    |    |                  |
| (3/4) Construction of embankment<br>with approved material                 |                               |    |    |    |                  |
| Excav 1000 m. etc.                                                         |                               |    |    |    |                  |
| Qty - V.T.M.B. Page No (4) Item                                            |                               |    |    |    |                  |
| No (7) = 224.32 m <sup>3</sup>                                             |                               |    |    |    |                  |
| @ Rs 175 = 22/m <sup>3</sup> = 39305=00                                    |                               |    |    |    |                  |
| (4/5) Const of embankment<br>with Excav - 100m etc                         |                               |    |    |    |                  |
| Qty - V.T.M.B. Page (4) Item                                               |                               |    |    |    |                  |
| No (8) = 638.47 m <sup>3</sup>                                             |                               |    |    |    |                  |
| @ Rs 135 = 12/m <sup>3</sup> = 86270=00                                    |                               |    |    |    |                  |
| (5/6) Construction of subgrade<br>shoulder etc all complete job            |                               |    |    |    |                  |
| Qty - V.T.M.B. Page No (4) Item                                            |                               |    |    |    |                  |
| No (10) = 811.76 m <sup>3</sup>                                            |                               |    |    |    |                  |
| @ Rs 176 = 86/m <sup>3</sup> = 1,48,568=00                                 |                               |    |    |    |                  |

(Continuation)

Rs 3,44,393=00



