

en

Dihl PMGSY Road to kuswaha tols

Agreement No. - 47 SBD of 20-21 dt
28/06/20

MEASUREMENT BOOK

SUB-DIVISION

Bhitha

DIVISION

Bagaha-2

BIHAR P. W. D.

Schedule XLV-Form No. 134

Bhitha

~~28/06/20~~
~~28/06/20~~

Name to 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 at the commencement of the measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work: Const. of road from Diki					
PMGSY road to kurwaha talga					
Agency: H.P. Ram Engineering Works,					
Valmiki Nagar, West Champaran					
Agreement No. 47 SDO of 20.21 dt 28/06/20					
Agreement Amount: ₹ 8622338 =					
Date of Start: 28/06/2020					
Date of Completion: 27/06/2021					
Revised measurement					

1 Clearing and grading road

$$2 \times 33 \times 3000 \times 1.50$$

$$= 2970.00$$

$$2 \times 1 \times 15.00 \times 1.50$$

$$= 45.00$$

$$\text{Total} = 3015 \text{ m}^2$$

$$\text{Say} = 0.30 \text{ HA}$$

2 Const. of working Bench mark = 1.010 km

3 Const. of reference Pillar = 1.000 km

4 Construction of Embankment

$$28 \times 30.00 \times \left(\frac{8+8}{2} - \frac{4+6}{2} \right) \times 0.25 = 367.50 \text{ m}^2$$

$$1 \times 15.00 \times \left(\frac{8+8}{2} - \frac{4+6}{2} \right) \times 0.20 = 5.55 \text{ m}^2$$

$$\text{Total} = 373.05 \text{ m}^2$$

Construction of embankment... 1st

$$\text{up to 1000 m (30\% of total)} = 111.92 \text{ m}^2$$

Const. of embankment... 2nd up to

$$100 \text{ m (7\% of total)} = 26.13 \text{ m}^2$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

1. To Reveal mensur

1. Construction of subgrade and
earth shoulder

$$28 \times 30 \text{ m} \times 7.48 \times 0.32 = 2010.62 \text{ m}^3$$

$$1 \times 15 \text{ m} \times 7.48 \times 0.32 = 35.90 \text{ m}^3$$

In ce portion
(side of shoulder) $2 \times 5 \times 30 \text{ m} \times 1.5 \times 1.75 = 79.01 \text{ m}^3$

$$\text{Total} = 2125.53 \text{ m}^3$$

2. Excavation for road way

$$2 \times 5 \times 30 \text{ m} \times 0.375 \times 0.75 = 19.69 \text{ m}^3$$

3. Construction of granular
sub-base in P.C.C. portion

$$2 \times 5 \times 30 \text{ m} \times 0.375 \times 0.10 = 11.25 \text{ m}^3$$

4. Construction of 10/13 M-Gr-12
in P.C.C. portion

$$2 \times 5 \times 30 \text{ m} \times 0.375 \times 0.05 = 8.44 \text{ m}^3$$

5. Construction of unreinforced, plain

Cement Concrete

$$2 \times 5 \times 30 \text{ m} \times 2.75 \times 0.160 = 90.00 \text{ m}^3$$

By: J. K.
02/07/2020

J. K.

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Leard measure</u>					
1 Laying brick work 1/2 on prepared surface					
					$2 \times 5 \times 30 \times 0.175 = 112.50 \text{ m}^2$
<u>Measured by</u>					
	08/08/2015				
	DE				
<u>Material Statement</u>					
1 Earth work $\approx 2498.58 \text{ m}^3$ (Rs. 1.71/m ³)					
2 Stone metal in GSB					

$$3 = 591.19 \text{ m}^3 \text{ (Rs. 516.44/m}^3\text{)}$$

$$4 \text{ Crushed Sand} = 252.27 \text{ m}^3 \text{ (Rs. 188.4/m}^3\text{)}$$

$$5 \text{ Stone metal in WBM Gr-18}$$

$$= 301.18 \text{ m}^3 \text{ (Rs. 458.22/m}^3\text{)}$$

$$6 \text{ Stone Screening in WBM Gr-18}$$

$$= 59.74 \text{ m}^3 \text{ (Rs. 345.54/m}^3\text{)}$$

$$7 \text{ Stone Chip} = 81 \text{ m}^3 \text{ (Rs. 550.85/m}^3\text{)}$$

$$8 \text{ Course Sand} = 40.50 \text{ m}^3 \text{ (Rs. 614.17/m}^3\text{)}$$

$$9 \text{ Cement} = 21.50 \text{ t (Rs. 5002.4/t)}$$

$$10 \text{ Barren} = 112.50 \text{ m}^2$$

Measured by

08/08/2015

DE

Abstract of Cost

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 Construction of Working Bench					
main side TMB page no 1 =					
1.010 km @ Rs. 11821.98/km Rs. 11940.20					
2/2 Construction of reference filler					
vide TMB page no 1 =					
1.010 km @ Rs. 13240.20/km Rs. 13273.20					
2/2 Clearing and grubbing road land vide TMB page					
no. 1 = 0.3049 @ Rs. 51133.76					
for Rs.					Rs. 15340.20
4/4 Construction of embankment with approved material					
with lead up to 1000 m vide					
TMB page no. 1 = 111.92 m ³ @					
Rs. 202.52/m ³ Rs. 22666.20					
5/5 Construction of sub grade and earthen shoulder vide					
TMB page no. 2 = 2125.53 m ²					
@ Rs. 204.16/m ² Rs. 433948.20					
6/6 Construction of embankment with lead up to 100 m					
vide TMB page no 1 = 261.13 m ²					
@ Rs. 167.41/m ² Rs. 43716.20					
7/7 Excavation for road/away					
vide TMB page no 2 = 19.69 m ²					
@ Rs. 74.16/m ² Rs. 1460.20					

Continuation Total Rs. 2

542443.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8/8 Laying bricks along laying on prepared surface vide TMB page no. 4 = 112.50 m ² @ Rs. 472.42/m ²					Rs. 53148 = 0
9/9 Construction of granular sub-grade vide TMB page no. 2 = 11.25 m ²					
vide TMB page no. 2 = 62.55 m ²					
Total 702.80 m ² @ Rs. 3782.35/m ²					Rs. 2662722 = 0
10/10 Providing, laying, spreading and compacting 150 mm B.M. 60 mm					
vide TMB page no. 2 = 8.44 m ³					
vide TMB page no. 3 = 240.47 m ³					

Total = 248.91 m³@ Rs. 4631.82/m³ Rs. 1152909 = 0

11/14 Construction of unreinforced plain cement concrete vide TMB page no. 2 = 90.00 m ²					
@ Rs. 8187.80/m ²					Rs. 736902 = 0

12/25 Providing & fixing MMGSY sign board vide TMB page no. 3 = 2 nos. @ Rs. 11751.62/Each					Rs. 23503 = 0
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13/24 Providing and fixing maintenance board vide TMB page 3 = 2 nos. @ Rs. 11751.62/Each					Rs. 23503 = 0
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Total Rs. 5195130 = 0

15

$$\frac{52}{15}$$

647