

Ch

Dih; PMGSY Road to kuswaha to/s

Agreement No. - 47 SBD of 20-21 dt

28/06/20

MEASUREMENT BOOK

Bhijha SUB-DIVISION

Bogha-2 DIVISION

BIHAR P.W.D.
Schedule XLV-Form No. 134

Entered 990 2022 6/22/2022

R.K. Haksig

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 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 Dih
PMGSY road to Kurwaha 2019

Agency: H.P. Road Engineering Works,
Varmiki Nagar, West Champaran

Agreement No. 47 SBD of 20.21 dt 28/06/20

Agreement Amount: ₹ 8622338 = ₹

Date of Start. 28/06/2020

Date of Completion: 27/06/2021

Record measurement

1 Clearing and grubbing road land

$$2 \times 33 \times 3000 \times 1.50 = 2970.00$$

$$2 \times 1 \times 15.00 \times 1.50 = 45.00$$

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

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

2 Const. of working Bench mark = 1.010 km

3 Const. of reference Pillar = 1.010 km

4 Construction of Embankment

$$28 \times 30.00 \times \left(\frac{6+8}{2} - \frac{4+6.0}{2} \right) \times 0.25 = 267.50 \text{ m}^3$$

$$1 \times 15.00 \times \left(\frac{8+10}{2} - \frac{5+10}{2} \right) \times 0.20 = 5.50 \text{ m}^3$$

$$\text{Total} = 323.00 \text{ m}^3$$

Construction of embankment ... level

up to 1000 m (20% of total) = 11.92 m³

Const. of embankment ... level w/ 20

100 m (7% of total) = 261.13 m³

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

1 Construction of subgrade and
earthen shoulder

$$28 \times 30.0 \times 2.48 \times 0.32 = 2010.62 \text{ m}^3$$

$$1 \times 15.4 \times 2.48 \times 0.32 = 35.90 \text{ m}^3$$

In depression
(Street shoulder) $2 \times 5 \times 30.0 \times 1.5 \times 1.75 = 22.5 \text{ m}^3$

$$\text{Total} = 2125.52 \text{ m}^3$$

2 Excavation for roadway

$$2 \times 5 \times 30.0 \times 0.375 \times 0.75 = 19.68 \text{ m}^3$$

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

$$2 \times 5 \times 30.0 \times 0.375 \times 0.10 = 11.25 \text{ m}^3$$

4 Construction of 1st BM - Grilli

in P.C.C. portion

$$2 \times 5 \times 30.0 \times 0.375 \times 0.05 = 8.44 \text{ m}^3$$

5 Construction of unreinforced, plain

Cement Concrete

$$2 \times 5 \times 30.0 \times 2.75 \times 0.160 = 90.0 \text{ m}^3$$

Niyash Ali
02/07/2020

J.E.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. Reused measure					
2. Construction of granular					
Sassoon m 18T basin					
$28 \times 20.00 \times 4.000 \times 0.200 = 680.000$					
$1 \times 15.00 \times 4.000 \times 0.200 = 12.00 \text{ m}^3$					
					$\text{Total } = 692.55 \text{ m}^3$
2 providing laying, strong and compacted coarse aggregate to asbestos Gravel					
$28 \times 20.00 \times 2.75 \times 0.025 = 236.25 \text{ m}^3$					
$1 \times 15.00 \times 2.75 \times 0.025 = 9.22 \text{ m}^3$					
					$\text{Total } = 240.47 \text{ m}^3$
3. Providing and fixing typical mm Grey sign board: 2 nos					
4. Providing and fixing typical Maintenance Board - 2 nos.					
<u>Neeladhari</u>					
06/08/2020					
Dr.					
<i>Below 10' feet</i>					
<i>10' to 15' feet</i>					
<i>15' to 20' feet</i>					
<i>20' to 25' feet</i>					
<i>25' to 30' feet</i>					
<i>30' to 35' feet</i>					
<i>35' to 40' feet</i>					
<i>40' to 45' feet</i>					
<i>45' to 50' feet</i>					
<i>50' to 55' feet</i>					
<i>55' to 60' feet</i>					
<i>60' to 65' feet</i>					
<i>65' to 70' feet</i>					
<i>70' to 75' feet</i>					
<i>75' to 80' feet</i>					
<i>80' to 85' feet</i>					
<i>85' to 90' feet</i>					
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<i>480' to 485' feet</i>					
<i>485' to 490' feet</i>					
<i>490' to 495' feet</i>					
<i>495' to 500' feet</i>					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 Record measured					
1 laying brick soleys 6x12 on prepared surface					
	2x5x30.0x0.175 = 112.50 m ²				
2 Allocated					
	08/08/2000				
	02				
3 Material statement					
1 Earth work = 2498.58 m ³ (Rs. At Rs. 1.71/m ³)					
2 Stone metal in Q.S.B					
	2 = 591.19 m ³ (Rs. 516.44/m ³)				
2 Crushed Sand = 252.37 m ³ (Rs. 188.4/m ³)					
3 Stone metal in W.R.M.Grid					
	= 301.18 m ² (Rs. 458.22/m ²)				
4 Stone Screening in W.R.M.Grid					
	= 59.74 m ² (Rs. 345.54/m ²)				
5 Stone Chip = 81 m ³ (Rs. 550.85/m ³)					
6 Course Sand = 40.50 m ² (Rs. 614.17/m ²)					
7 Cement = 21.50 t (Rs. 5002.4/t)					
8 Area = 112.50 m ²					
9 Allocated					
	08/08/2000				
	02				

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 Construction of Worley Beach					
main side TMB page no. 1 =					
1.010 km @ Rs. 11821.98 / km	Rs. 11940 =				
2 Construction of reference filter					
wide TMB page no. 1 =					
1.010 km @ Rs. 13240 =	Rs. 13272 =				
3 Clearing and grubbing					
road land side TMB page					
No. 1 = 0.3049 @ Rs. 51.33 =	Rs. 15340 =				
for Hs					
4 Construction of embankment					
with approved material					
with lead up to 1000 m wide					
TMB page no. 1 = 111.92 m ²	@				
Rs. 202.52 / m ²		Rs. 22666 =			
5 Construction of sub grade					
and earthen shoulder side					
TMB page no. 2 = 2125.53 m ²					
@ Rs. 204.16 / m ²		Rs. 433948 =			
6 Construction of embankment					
with lead up to 100 m					
wide TMB page no. 1 = 261.13 m ²					
@ Rs. 167.41 / m ²		Rs. 43716 =			
7 Excavation for road away					
wide TMB page no. 2 = 19.69 m ²					
@ Rs. 74.16 / m ²		m 1460 =			

Continuation Total Rs. 2

542442 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8 Laying brick & lime mortar prepared surface width TMB page no. 4 = 112.50 m ² @ Rs. 472.42 / m ²					Rs. 52148.00
9 Construction of granular base width TMB page no. 2 = 11.25 m ² width TMB page no. 2 = 692.55 m ² Total 702.80 m ² @ Rs. 2782.35 / m ²					Rs. 2662722.00
10 Providing, laying, spreading and compacting in BM 6 m ³ width TMB page no. 2 = 8.44 m ³ width TMB page no. 3 = 240.47 m ³ Total = 248.91 m ³ @ Rs. 4631.80 / m ³					Rs. 1152909.00
11 Construction of un-reinforced plain cement concrete side TMB page no. 2 = 90.00 m ² @ Rs. 8.187.80 / m ²					Rs. 736902.00
12 Providing & fixing MMGSS sign board width TMB page no. 3 = 2 m, @ Rs. 11751.62 / each					Rs. 23502.00
13 Providing and Fixing Maintenance board width TMB page 3 = 2 m, @ Rs. 11751.62 / each					Rs. 23502.00
					Total Rs. 5995130.00

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Court of you

B/R. R. 5195130

C/5

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Adel 12 x 937					Rs. 623416/-
Adel 1 x 933					Rs. 51951/-
Adel segregation fee					Rs. 61001/-
					Total Rs. 5931498/-
Less 0.03% cesses per annum					1779/-
Payer's name					Rs. 5929719/-
Nepal Ad					
08/08/2000					
Tk					
9400 31.8					
21.7					
558					
21.7					
125000					