

Kumar Ram Rajan Singh
Ag No 24 (SBD)/2020-21

PWD Road to Baghathar Choukhatiya
Nijuwara.

Schedule XLV Form No. 134.

R. W. D. (w) Jajmai

DIVISION

Khaira.

SUB-DIVISION

Measurement Book

MB-2654

1st on A/c 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 measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- PWD Road to Baghakhar					
Choukhutiya Nijh wara					
Agency:- Kumar Ram Ranjan					
Singh villa + Po - Jithingori					
PS - Khajira Dist - Tumai					
Agreement No:- 24 (SBD) / 2020-21					
Date of Commencement:- 24-07-2020					
Date of completion:- 23-07-2021					

Measurement

- ① providing and fixing of work-benchmark pillars do-do

all compse job ← 1.2400 km

- ② clearing and grubbing

Road land do-do all compse.

$$1 \times 3 \times 30.00 \times 3.50 = 315.00 \text{ m}^3$$

$$1 \times 2 \times 30.00 \times 3.50 = 210.00 \text{ m}^3$$

$$1 \times 4 \times 30.00 \times 3.50 = 420.00 \text{ m}^3$$

$$1 \times 4 \times 30.00 \times 3.50 = 420.00 \text{ m}^3$$

$$1 \times 5 \times 30.00 \times 3.50 = 525.00 \text{ m}^3$$

$$1 \times 10 \times 30.00 \times 3.50 = 1050.00 \text{ m}^3$$

$$1 \times 5 \times 30.00 \times 3.50 = 525.00 \text{ m}^3$$

$$1 \times 5 \times 30.00 \times 3.50 = 525.00 \text{ m}^3$$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 5 X 20.0 X 3.50 =					525.00 m ³
1 X 3 X 30.0 X 3.50 =					315.00 m ³
1 X 1 X 20.0 X 3.50 =					70.00 m ³
					4900.00 m ³
					0.49 Hq

③ Construction of Embankment with material obtained by borrow pits do-do on complete job

S/No.	Ch	Area	Mean	Dist.	Volume
1	0	0.250	—	—	—
2	100	0.300	0.275	100	27.500
3	200	0.150	0.225	100	22.500
4	300	0.220	0.185	100	18.500
5	400	0.650	0.435	100	43.500
6	500	0.710	0.680	100	68.000
7	600	0.480	0.595	100	59.500
8	700	0.660	0.570	100	57.000
9	800	0.840	0.750	100	75.000
10	870	0.780	0.810	70	56.700
11	900	0.000	0.390	30	11.700
12	998	0.690	0.735	0	0.000
12	1100	0.640	0.665	102	67.830
13	1200	0.440	0.540	100	54.000
14	1300	0.780	0.610	100	61.000
15	1400	0.630	0.720	100	72.000
			Qty	=	694.730 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ for 100 m lead (55%)					
					Qty = 382.10 m ³
④ for 100 m lead (45%)					
					Qty = 312.63 m ³
⑤ Construction of subgrade and contour shoulder do all course rev.					
1x2x	30.00	7.1+8.5		x0.30 = 140.4 m ³	
		2			
1x3x	30.00	7.0+8.6		x0.30 = 210.6 m ³	
		2			
1x5x	30.00	7.5+8.1		x0.30 = 351.0 m ³	
		2			
1x5x	30.00	6.9+8.7		x0.30 = 351.0 m ³	
		2			
1x4x	30.00	7.5+8.3		x0.30 = 280.8 m ³	
		2			
1x5x	30.00	7.3+8.3		x0.30 = 351.0 m ³	
		2			
1x5x	30.00	7.2+8.4		x0.30 = 351.0 m ³	
		2			
1x4x	30.00	7.6+8.0		x0.30 = 280.8 m ³	
		2			
1x3x	30.00	6.9+8.7		x0.30 = 210.6 m ³	
		2			
1x4x	30.00	7.2+8.4		x0.30 = 280.8 m ³	
		2			

Continuation

Qty = 2808.0 m³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1x2x 30.w x 4.050 x 0.200 =					48.6 m ³
1x1x30.w x $\frac{4.050 + 4.455}{2}$ x 0.200 =					25.515 m ³
1x2x 30.w x 4.050 x 0.200 =					48.6 m ³
				Qty =	981.72 m ³
(13) Construction of G.S.B					
Gr-1 do-do all comp & job					
cc portion					
1x3x30.w x $\frac{3.75}{2}$ x 0.100 =					33.75 m ³
1x1x30.w x $\frac{3.75 + 4.25}{2}$ x 0.100 =					12.00 m ³
1x2x30.w x 3.75 x 0.100 =					22.5 m ³
1x1x20.w x 3.75 x 0.100 =					7.5 m ³
				Qty =	75.75 m ³

(14) providing laying spreading and compacting W.B.M Gr-3					
do-do all comp & job					
1x2x 30.w x 3.75 x 0.075 =					16.875 m ³
1x5x 30.w x 3.75 x 0.075 =					42.188 m ³
1x5x 30.w x 3.75 x 0.075 =					42.187 m ³
1x1x30.w x $\frac{3.75 + 4.626}{2}$ x 0.075 =					9.423 m ³
1x5x 30.w x 3.75 x 0.075 =					42.188 m ³
1x5x 30.w x 3.75 x 0.075 =					42.188 m ³
1x1x30.w x $\frac{3.75 + 4.626}{2}$ x 0.075 =					9.423 m ³
1x5x 30.w x 3.75 x 0.075 =					42.187 m ³
1x5x 30.w x 3.75 x 0.075 =					42.187 m ³
1x1x30.w x $\frac{3.75 + 4.626}{2}$ x 0.075 =					9.423 m ³
1x5x 30.w x 3.75 x 0.075 =					42.187 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1X1X30.00X3.75+4.606				X0.0752	9.423m ³
1X5X30.00X3.75X0.0752					42.187m ³
1X1X20.00X3.75X0.0752					5.625m ³
				Qty =	397.691m ³

(15) providing and fixing of
typical m m G Sy in formatory
sign board with 1000 do
-do all compse job. — 3.0000.

(16) Cement Concrete Parapet
Construction of Un-reinforced
Plain Cement thickness
do-do all compse job

1X1X30.00X3.75X0.160					18.00m ³
1X1X30.00X3.75X0.160					18.00m ³
1X1X30.00X3.80+3.95				X0.160	18.6m ³
1X1X30.00X3.75X0.160					18.00m ³
1X1X30.00X3.75X0.160					18.00m ³
1X1X30.00X3.80+3.95				X0.160	18.6m ³
1X1X20.00X3.75X0.160					12.00m ³
				Qty =	121.20m ³

By

5/7/2021

AD

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) providing and fixing of working benchmarks pillar do-dall					
complete job					
Qty vide item no- 1					
P.No- 1 T.M.B = 1.400 Km					
@ 32726520 / Km					Rs 45817 = w
(2) Clearing and grubbing Road land do-dall complete.					
Qty vide item no- 2					
P.No- 2 T.M.B = 0.49 Hq					
@ 51133760 / Hq					Rs 25056 = w
(3/4) Construction of Embankment with material obtained from borrow pits for 1000 m lead do-dall complete job					
Qty vide item no- 3					
P.No- 3 T.M.B = 382.10 m ³					
@ 175 = 220 / m ³					Rs 66952 = w
(4/5) Construction of Embankment with material obtained from borrow pits for 100 m lead do-dall complete job					
Qty vide item No- 4					
P.No- 3 T.M.B = 312.63 m ³					
@ 135 = 120 / m ³					Rs 42243 = w

Continuation

→ Rs 180068 = w

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Rf		Rg	18006820
(5/7) Construction of Subgrade and earthen shoulders with approved material do-do all qty vide item No-5 P.No-3 T.M.B = 2808.0 m ³ @ 176860/m ³ Rg 49662320					
(6/16) providing and laying of a reinforced cement concrete pipe duct do-do all Comp. qty vide item No-6 P.No-4 T.M.B = 30.0 m @ 1585 = 490/m Rg 4756520					
(7/31) Earthen work in excavation for foundation of structures do-do all comp job qty vide item No-7 P.No-4 T.M.B = 29.798 m ³ @ 294730/m ³ Rg 878220					
(8/32) providing m/s (see 1:2:5:5) as leveling course in foundation do-do all comp job qty vide item No-8 P.No-4 T.M.B = 4.595 m ³ @ 4847580/m ³ Rg 2227520					

Continuation

4 Rg 75531320

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
13 9 providing laying, Spreading and compacting stone aggregate.			88 -	Ra 2	68097520
WBM or-3 do-do all comp.					
Qty vide item No- 14					
P.No-7 T.M. B=3			97.69	m ³	
@ 2087 = 180 / m ³				Ra	83005320
14 30 providing fixing of typical mm G.S. infirming sign board.					
do-do all complete job					
Qty vide item No- 15					
P.No-7 T.M. B=			3.00	No.	
@ 9321 = 030 / m ³			321 = 030		
				Ra	2796320
15 19 construction of un-ramp - road plain cement thickening.					
as per design do-do all em.					
Qty vide item no- 16					
P.No-7 T.M. B=1			21.20	m ³	
@ 7131 = 240 / m ³				Ra	86430620
Total				Ra	440329720
Add 12% G.S. +				Ra	52839620
Add 14% labour. Cey				Ra	4403320
Total				Ra	497572620
10% below				Ra	49757320
Comp				Total.	Ra 447815320
5/7/2011					

5/7/2011 continuation

J.R

 9/10/11
 AC