Schedule XLV-Form No. 134

Temporary Restoration of Road from
Toy To Ikkra Millik Road

RWD. Kishanganj-2 DIVISION

RWD. Dighalbank SUB-DIVISION

MEASUREMENT BOOK

NO. 1521

प्रमाणित किया जाता है कि इस मापि पुस्त म कु।
(एक सौ) मुद्रित दोहरे पृष्ट है। जो श्री राम.....
सहायक अभियंता,ग्रा०का०वि०कार्य अवर प्रमण्डल
के नाम से निर्गत किया जाता है।

कार्यपालक अ
ग्रा०का०वि०ख०
किशनगंज-2

2/7/21

Sch. XLV—Form No. 134

RWD. Kishanganj-2 DIVISION

RWD. Dighalbank SUB-DIVISION

Measurement Book

No. [redacted]1521

Name of Officer _____

_____

Date of first entry _____

Date of last entry _____

1

Name fo 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	

Name of Work :- Restoration work for the road T04 to Pitra Mallik road after flood damaged.

Agency :- Ashok Kumar.

D/E = 05-08-2021

1. P/ Brick bat in filling -do- -do- all. c.d.f.b.

1 × 25.0 × {(4.60+5.0+4.30+3.70)/4 + 5.20}/2 × (0.90+0.80+0.70)/3 = 96.00 m³.

1 × 30.0 × {(4.30+4.0+3.80+3.60)/4 + 4.73}/2 × (1.0+0.80+0.60)/3 = 103.86 m³.

1 × 27.0 × {(4.80+4.20+3.60+3.30)/4 + 4.75}/2 × (1.10+0.70+0.60)/3 = 93.96 "

1 × 30.0 {(4.70+4.50+3.90)/3 + 5.33}/2 × (1.20+0.90+0.80)/3 = 140.62 "

1 × 24.0 × {(4.5+4.3+3.80)/3 + 5.00}/2 × (0.90+0.80+0.70)/3 = 88.32 "

1 × 25.0 × {(4.10+3.80+3.60)/3 + 4.77}/2 × (1.30+0.80+0.60)/3 = 100.37 "

1 × 14.0 × {(4.0+3.80+2.60)/3 + 4.37}/2 × (1.0+0.90+0.80)/3 = 49.37 "

672.50 m³.

2. P/ L/Sand filling -do- all c.d.f.b.

1 × 25.0 × {(4.60+5.0+4.30+3.70)/4 + 6.47}/2 × (2.90+1.90+1.40)/3 = 280.81 m³

1 × 30.0 × {(4.30+4.0+3.80+3.60) + 5.63}/2 × (2.30+1.70+1.10)/3 = 243.78 m³.

1 × 27.0 × {(4.80+4.20+3.60+3.30)/4 + 6.18}/2 × (2.60+2.30+1.80)/3 = 305.42 m³

Continuation

1 × 30.0 × {(4.70+5.0+3.90)/3 + 6.03}/2 × (2.20+1.90+0.90)/3 = 260.00 m³

1090.01 m³.

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	=	1090.01 m³
1 x 24.0 x {(4.50+4.30+3.80)/3 + 5.90}/2 x (2.50+1.70+0.90)/3					206.04 "
1 x 25.0 x {(4.10+3.80+2.60)/3 + 5.87}/2 x (2.30+2.0+1.80)/3					= 246.54 "
1 x 14.0 x {(4.0+3.50+2.60)/3 + 5.27}/2 x (2.40+2.10+0.90)/3					110.12 "
					1652.71 m³
~~Deduct for HP~~				(-)	17.81 m³
					1634.90 m³
(3) P/laying RCC Pipe NP3 1000mm dia as per all – c.d of B.					
	2 x	3 x	2.50	=	15.0 m.

~~sd~~ 05-08-21
J.E

sd 05/8/21
AE

(1) P/BK bat in filling c.d of B.					
1 x 27.0 x {(4.00+3.40+3.0)/3 + 4.30}/2 x (1.10+0.90+0.60)/3					= 87.38 m³
1 x 30.0 x {(3.50+3.30+2.60)/3 + 4.13}/2 x (1.20+0.80)/2					= 108.95 m³
1 x 24.0 x {(3.20+3.00+2.90)/3 + 3.93}/2 x (1.30+0.80+0.60)/3					= 75.20 m³
1 x 25.0 x {(3.90+3.40+3.20)/3 + 4.50}/2 x (1.10+1.0+0.90)/3					= 100.00 m³
1 x 14.0 x {(3.50+3.20+2.40)/3 + 4.00}/2 x (1.20+1.0+0.70)/3					= 47.59 m³
					419.12 m³
(2) P/local sand filling c.d of B.					
1 x 27.0 x {(4.00+3.40+3.0)/3 + 4.53}/2 x (1.20+1.10+0.90)/3					= 115.20 m³
1 x 30.0 x {(3.50+3.30+2.60)/3 + 3.77}/2 x (0.70+0.60+0.40)/3					= 65.55 m³
					180.75 m³

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B/F =					180.75 m³.
1 × 24.0 × {(3.20 + 3.00 + 2.90)/3 + 3.90}/2 × (1.10 + 0.90 + 0.70)/3 =					72.078 m³.
1 × 25.0 × {(3.90 + 3.40 + 3.20)/3 + 4.50}/2 × (1.30 + 0.90 + 0.80)/3 =					100.10 m³.
1 × 14.0 × {(3.50 + 3.20 + 2.40)/3 + 4.17}/2 × (1.40 + 1.10 + 0.90)/3					= 57.12 m³
					409.94 m³.
(3) P/F. C. bag filled with 4/sand —do— all c. 305.					
1 × 25.0 × (0.50 + 1.10 + 1.10 + 0.30)/4 × (1.30 + 1.40 + 1.0)/3					= 23.125 m³
1 × 30.0 × (0.50 + 0.90 + 1.10)/3 × (1.0 + 1.60 + 1.90)/3					= 26.50 m³
1 × 27.0 × (0.50 + 0.80 + 1.0)/3 × (1.70 + 1.80 + 0.70)/3					= 21.933 m³.
1 × 30.0 × (0.50 + 1.40 + 1.20 + 0.50)/4 × (1.0 + 1.60 + 1.10)/3					= 33.30 m³.
1 × 24.0 × (0.50 + 0.70 + 1.0)/3 × (1.0 + 1.30 + 1.60)/3					= 18.90 m³
1 × 25.0 × (0.50 + 0.70 + 1.0)/3 × (1.20 + 1.40 + 0.70)/3					= 19.433 m³
1 × 14.0 × (0.50 + 0.70 + 1.10)/3 × (1.50 + 1.0 + 0.60)/3					= 11.[illegible] m³
1 Bag = 0.034 m³.					= 154.958 m³
No. of Bags = 154.958 ÷ 0.034					= 4558 Nos.
(4) P/ Bamboo piles 62 mm to 75 mm dia including cutting & making proper shoes etc. —do— all c. 305.					
1 × 25.0 + 1 × 30.0 + 1 × 27.0 + 1 × 30.0 + + 1 × 24.0 + 1 × 25.0 + 1 × 14.0					= 175.00 m
Total length = 175.0/0.30 × 2.50 + 1 =					1459.0 m.

(5) ~~S/P/ P. bamboo runner of 62 mm~~ to 75 mm dia —do— all c. 305

Continuation

175.00 × 5.00 = 875.00 m

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6) S/P/F Bamboo woven chachri with 20 swg G.I. —do— t.a.o.s.					
	175.00 × 1.50			=	262.50 m²
Sd/- 12/10/21 J.E.		Sd/- 12/10/21 AE			
(1). P/L sand filling —do— t.a.o.s.					
1 × 15.0 × {(4.0+3.40+3.0)/3 + 4.63}/2 × (1.40+1.30+0.80)/3				=	70.88 m³
1 × 22.0 × {(3.50+3.30+2.60)/3 + 3.37}/2 × (1.60+1.40+0.70)/3				=	101.84 m³
1 × 26.0 × {(3.20+3.10+2.90)/3 + 4.70}/2 × (1.30+1.20+1.10)/3				=	109.66 m³
1 × 24.0 × {(3.90+3.40+3.20)/3 + 4.10}/2 × (1.40+0.80+0.90)/3				=	94.24 m³
1 × 12.0 × {(3.50+3.20+2.40)/3 + 4.07}/2 × (1.30+1.20+0.60)/3				=	44.02 m³
					420.64 m³
Sd/- 25/10/21 J.E.		Sd/- 25/10/21 AE			

ABSTRACT OF COST.

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1). P/L sand in filling - c. sob					
T.M.B. Page 2 item(2) =			1634.90 m^3		
" " (3) " (2) =			409.94 m^3.		
" " (4) " (1) =			420.64 m^3		
			2465.48 m^3		
		@	514.43/- %		12,68,317=00
2) P/ Laying RCC pipes of 1000 mm dia -do- all - c. sob.					
T.M.B. Page 2 item(3) = 15.00 M					
		@	4425.070/- %		66376=00.
3) P/ Brick Bats in filling -do- c.sob					
T.M.B. Page (1) item(1) =			672.50 m^3		
" " (2) " (1) =			419.12 m^3		
			1091.62 m^3		
		@	2168.720/- %		23,67,418=
4) P/ E.C. Bags filled with sand -do- all - c.sob.					
T.M.B. Page (3) item (1) = 4558 Nos					
		@	38.03/- %		173341=00.
5) P/ Bamboo piles of 62mm to 75mm dia -do- c.sob.					
T.M.B. Page(3) item(4) = 1459.00 m.					
		@	55.40/-		80,829=00

Continuation

Rs. 39,56,281=

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F	Rs.	39,56,281=
6) S/P/F Bamboo runner of					
62mm to 75mm dia -do- r. 5oft.					
T.M.B. Page 3 item(5) = 875.00 m					
			@ 30.87/-	Rs.	27011 =
7) S/P/F Bamboo woven chachri					
-do- -do- all- r. 5oft.					
T.M.B. Page 4 item(6) = 262.50 m²					
		@ 474.850/-		Rs.	1,24,648=
					41,07,940=
Adding GST 12%			(+)	Rs.	492953=
" L/cess 1%			(+)	Rs.	41079 =
" Sarojnoropetee			(+)	Rs.	151900 =
				Rs.	47,93,872=

25/10/21
J.E.

25/10/21
AE

16/11/21

Continuation