

BEJURYA NH31 BAJAR LADON TO ADAMPUR
VIA DHARI TELTA MADHOPUR

Schedule XLV-Form No. 134

CHITRA

BARSOI

DIVISION

Bachampur

SUB-DIVISION

MEASUREMENT BOOK

M.B.No. 1697.

Certify that this M.B. contain
100/one hundred machine printed
pages issued to A.E.R.W.D. (ex)
Sub-division, Balrampur.

[Signature]
Executive Engineer
Rural Works Department
Works Division, Barsoi

Sch. XLV - Form No. 134

BARSOI DIVISION
Balrampur SUB-DIVISION

Measurement Book

No. 1697.

Name of officer _____

Date of first entry _____

Date of last entry _____

FDR - PART 'A'

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 measurement relating to each work)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work:- FDR/PART-'A'					
Temporary Restored					
Name of Road:- BIJURIYA NH31					
BAJARGAON TO ADAMPUR					
VIA DHADI TELTA					
MADHOPUR					
Agency:- Departmental Work					
Length:- 19.50 km					
Block:- Balrampur					
Record measurement					
Date of entry:-					
① Providing brick bats					
including spreading,					
laying Compacting with					
C.I. Hammer — El S.					
1 x 3.70m x $\frac{(1.20 + 1.30 + 2.79)}{2}$					
x $\frac{1.7 + 1.0 + 1.85 + 1.60}{4}$					11.49 m ³
1 x 13.60m x $\frac{(1.10 + 1.0 + 0.95 + 3.28)}{3}$					
x $\frac{1.60 + 1.80 + 1.85}{3}$					57.24 "
1 x 4.80m x $\frac{(1.8 + 1.75 + 1.10 + 2.10)}{3}$					
x $\frac{0.5 + 0.60}{2}$					4.82 "

Continuation

2
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 2.70 m	X	$\frac{0.70+1.80+0.30}{3}$		$+1.68/2$	
	X	$\frac{0.70+0.80}{2}$			= 2.64 m ²
1 X 6.40 m	X	$\frac{0.50+0.8+1.30+1.20}{4}$			
				$+1.88/2 \times 0.7+0.9+1.20$	= 8.45 "
1 X 4.20 m	X	$\frac{0.6+0.75+1.20+1.70}{3}$			
	X	$\frac{0.8+0.90}{2}$			= 4.55 "
1 X 8.0 m	X	$\frac{2.20+1.70+1.60}{3}$		$\times 0.40$	= 5.86 "
1 X 3.40 m	X	$\frac{1.50+0.95}{2}$		$\times \frac{0.5+0.90}{2}$	= 2.93 "
1 X 2.10 m	X	$\frac{1.30+1.25}{2}$		$+2.28/2$	
	X	$\frac{0.80+1.20}{2}$			= 3.74 "
1 X 8.0 m	X	$\frac{1.10+1.25+1.40+2.00}{3}$			
	X	$\frac{0.80+0.90}{2}$			= 10.71 "
1 X 5.00 m	X	$\frac{1.20+1.3+1.50+1.80}{3}$			
	X	$\frac{1.20+0.60}{2}$			= 4.50 "
1 X 10.00 m	X	$\frac{1.20+1.10+1.0+2.45}{3}$			
	X	$\frac{1.80+0.90}{2}$			= 23.96 "
1 X 35.00 m	X	$\frac{1.90+0.95}{2}$		$+3.26/2$	
	X	$\frac{1.50+1.7+2.30}{3}$			= 150.47 "
1 X 10.00 m	X	$\frac{1.10+1.2+1.10+2.87}{3}$			
	X	$\frac{1.50+1.8+1.90}{3}$			= 34.67 "
1 X 6.00 m	X	$\frac{2.0+2.10+2.20+2.83}{3}$			
	X	$\frac{0.6+0.9+0.70}{3}$			= 10.85 "
1 X 15.00 m	X	$\frac{1.20+1.10+1.30+3.33}{3}$			
	X	$\frac{2.40+2.10+1.90}{3}$			= 72.48 "
1 X 4.00 m	X	$\frac{1.30+1.25+1.20+2.85}{3}$			
	X	$\frac{1.50+1.60+1.70}{3}$			= 13.12 "

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 3.0 m X		$(1.10 + 1.0 + 0.95 + 2.68)/2$			
		$\frac{3}{3}$			
		X 1.7 + 1.8 + 1.50			= 9.25
		$\frac{3}{3}$			
1 X 2.0 m X		$(1.0 + 1.20 + 2.50)/2$			
		$\frac{2}{2}$			
		X 1.50 + 1.30			= 5.04
		$\frac{2}{2}$			
1 X 6.0 m X		$(1.10 + 1.0 + 0.90 + 2.63)/2$			
		$\frac{3}{3}$			
		X 1.60 + 1.5 + 1.8			= 17.79
		$\frac{3}{3}$			
1 X 11.0 m X		$(1.10 + 1.20 + 1.10 + 3.02)/2$			
		$\frac{3}{3}$			
		X 1.65 + 2.3 + 1.80			= 43.43
		$\frac{3}{3}$			
1 X 5.0 m X		$(1.20 + 1.0 + 0.90 + 2.43)/2$			
		$\frac{3}{3}$			
		X 1.20 + 1.60			= 12.11
		$\frac{2}{2}$			
1 X 11.0 m X		$(1.20 + 1.10 + 1.0 + 3.23)/2$			
		$\frac{3}{3}$			
		X 2.20 + 2.30 + 1.85			= 50.29
		$\frac{3}{3}$			
1 X 1.30 m X		$(1.10 + 1.20 + 1.10 + 2.48)/2$			
		$\frac{3}{3}$			
		X 1.20 + 1.50			= 3.17
		$\frac{2}{2}$			
1 X 9.50 m X		$(1.20 + 1.10 + 0.95 + 2.58)/2$			
		$\frac{3}{3}$			
		X 1.40 + 1.5 + 1.60			= 26.08
		$\frac{3}{3}$			
1 X 13.0 m X		$(1.50 + 1.6 + 1.30 + 3.57)/2$			
		$\frac{3}{3}$			
		X 2.15 + 2.45 + 1.70			= 68.80
		$\frac{3}{3}$			
1 X 3.0 m X		$(2.0 + 1.70 + 1.60 + 2.97)/2$			
		$\frac{3}{3}$			
		X 1.8 + 1.20 + 0.60			= 8.53
		$\frac{3}{3}$			
1 X 8.50 m X		$(1.10 + 1.20 + 0.70 + 2.40)/2$			
		$\frac{3}{3}$			
		X 1.50 + 1.40 + 1.30			= 20.23
		$\frac{3}{3}$			
1 X 17.50 m X		$(0.8 + 2.0 + 1.1 + 0.90 + 3.0)/2$			
		$\frac{4}{4}$			
		X 2.3 + 2.6 + 1.70			= 80.85
		$\frac{3}{3}$			
1 X 7.0 m X		$(0.9 + 1.10 + 1.85 + 0.90 + 2.7)/2$			
		$\frac{4}{4}$			
		X 1.50 + 1.8 + 1.30			= 20.98
		$\frac{3}{3}$			

Continuation

$$X \frac{1.50 + 1.8 + 1.30}{3} = 20.98$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 7.70m X	$(1.20 + 1.30 + 0.60 + 2.38) / 2$				
	X	$1.20 + 1.50 + 1.35$			17.72 m ²
1 X 10.0m X	$(1.10 + 1.00 + 0.95 + 2.93) / 2$				
	X	$2.10 + 1.95 + 1.70$			37.85 m ²
1 X 24.0m X	$(1.6 + 1.75 + 1.80 + 3.42) / 2$				
	X	$1.70 + 1.9 + 1.50$			104.86 m ²
1 X 2.0m X	$(1.20 + 1.0 + 2.50) / 2$				
		$1.20 + 1.60$			5.04 m ²
1 X 4.0m X	$(1.20 + 1.10 + 2.0) / 2$				
	X	$0.90 + 0.80$			5.36 m ²
1 X 3.50m X	$0.95 + 2.15$				6.51 m ²

1 X 5.50m X	$(1.70 + 1.80 + 2.70) / 2$				
	X	0.95 m			11.63 m ²
1 X 3.0m X	$(1.10 + 1.20 + 1.90) / 2$				3.43 m ²
1 X 3.0m X	$(2.40 + 1.60 + 2.65) / 2$				4.53 m ²
1 X 4.0m X	$(2.0 + 2.4 + 1.7 + 2.38) / 2$				
	X	0.95 m			9.46 m ²
1 X 6.0m X	$(2.0 + 1.8 + 2.10 + 2.87) / 2$				
	X	0.90 m			13.07 m ²
1 X 2.0m X	$(1.20 + 1.10 + 1.90) / 2$				
	X	0.75			2.29 m ²
1 X 7.0m X	$(1.20 + 0.90 + 2.40) / 2$				
	X	$1.20 + 1.50$			16.30 m ²
	Part - ①	0.47			1027.08 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 9.0 m	x	$\frac{1.20 + 0.90}{2}$	2.48	/2	
		$\frac{1.8 + 1.20 + 1.30}{3}$			22.77 m ²
1 x 4.0 m	x	$\frac{0.9 + 1.4 + 1.0 + 2.08}{3}$	/2		
	x	$\frac{1.20 + 1.0 + 0.75}{3}$			6.25 "
1 x 1.50 m	x	$\frac{0.95 + 1.75}{2}$	x 0.80		1.62 "
1 x 4.50 m	x	$\frac{0.8 + 1.3 + 0.80 + 1.62}{3}$	/2		
	x	0.65 m			3.79 "
1 x 2.60 m	x	$\frac{1.0 + 1.20 + 1.0 + 1.77}{3}$	/2		
	x	0.70 m			2.58 "
1 x 11.0 m	x	$\frac{0.8 + 1.4 + 1.6 + 1.0 + 2.75}{4}$	/2		
	x	$\frac{1.65 + 1.7 + 1.30}{3}$			33.67 "
1 x 4.20 m	x	$\frac{0.50 + 1.20 + 1.45}{2}$	/2		
	x	0.60 m			2.90 m ²
1 x 3.50 m	x	$\frac{0.9 + 1.20 + 0.90 + 1.70}{3}$	/2		
	x	0.70 m			3.31 "
1 x 7.10 m	x	$\frac{0.80 + 1.20 + 0.90 + 2.32}{3}$	/2		
	x	$\frac{1.20 + 1.50}{2}$			15.77 "
1 x 6.0 m	x	$\frac{0.80 + 1.0 + 0.9 + 0.60 + 2.38}{4}$	/2		
	x	$\frac{1.6 + 1.50}{2}$			14.93 "
1 x 7.0 m	x	$\frac{0.6 + 1.0 + 0.9 + 0.70 + 2.03}{4}$	/2		
	x	$\frac{1.20 + 1.30}{2}$			12.73 "
1 x 3.0 m	x	$\frac{0.6 + 0.9 + 1.0 + 0.50 + 1.55}{4}$	/2		
	x	0.80 m			2.76 "
1 x 4.20 m	x	$\frac{1.20 + 1.10 + 0.95 + 1.93}{3}$	/2		
	x	0.85 m			5.37 "

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 2.50m X	(1.0 + 1.20 + 0.80 + 1.9)	3		1/2	
			X 0.90m =		3.26 m ²
1 X 5.20m X	(1.60 + 1.7 + 2.30)	2		1/2	
			X 0.65m =		6.68 "
1 X 7.0m X	(3.8 + 4.0 + 3.90 + 4.65)	3		1/2	
			X 0.70 + 0.80 =		22.44 "
1 X 2.00m X	(1.50 + 0.70)	2			
			X 1.20m =		5.04 "
1 X 6.0m X	(1.10 + 1.2 + 1.80 + 2.28)	3		1/2	
			X 1.20 + 1.30 =		12.41 "
1 X 9.0m X	(1.10 + 1.20 + 1.10 + 2.83)	3		1/2	
			X 1.60 + 1.80 =		30.29 "
1 X 8.50m X	(1.20 + 1.10 + 0.85 + 2.55)	3		1/2	
			X 1.60 + 1.40 =		22.95 "
1 X 5.0m X	(1.10 + 1.20 + 1.20 + 1.82)	3		1/2	
			X 0.65m =		4.86 "
1 X 5.0m X	(0.85 + 1.0 + 0.90 + 1.67)	3		1/2	
			X 0.75m =		4.86 "
1 X 30.0m X	(1.20 + 0.85 + 1.2 + 1.0 + 3.66)	4		1/2	
			X 2.40 + 2.8 + 2.60 =		184.08 "
1 X 8.0m X	(1.10 + 0.95 + 2.38)	2		1/2	
			X 1.20 + 1.50 =		18.41 "
1 X 5.60m X	(1.0 + 1.10 + 0.60 + 1.75)	3		1/2	
			X 0.85m =		6.31 "
1 X 3.20m X	(1.20 + 1.3 + 1.0 + 1.77)	3		1/2	
			X 0.60m =		2.82 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 4.6m X	(1.30	+1.20	+1.90)	/2 X	
			0.65m	=	4.71m
1 X 3.80m X	(1.20	+0.85	+1.48)	/2	
			X 0.45m	=	2.15m
1 X 3.0m X	(1.10	+1.20	+1.85)	/2	
			X 0.70	=	3.15m
1 X 4.0m X	(1.10	+1.0	+1.65)	/2	
			X 0.80	=	3.24m
1 X 4.50m X	(0.8	+0.90	+1.35)	/2	
			X 0.50	=	2.48m
1 X 9.0m X	(1.60	+1.85	+1.50	+2.9)/2	
			X 1.20	=	25.59m
1 X 3.50m X	(0.90	+0.70	+1.97)	/2	
			X 1.50	=	5.66m
1 X 6.00m X	(1.10	+1.20	+0.90	+2.12)/2	
			X 0.90	=	10.05m
1 X 5.0m X	(1.0	+1.2	+0.60	+1.53)/2	
			X 0.60m	=	3.69m
1 X 12.0m X	(1.20	+0.85	+2.58)	/2	
			X 1.50	=	33.57m
1 X 7.0m X	(1.0	+0.85	+2.38)	/2	
			X 1.6	=	16.80m
1 X 2.80m X	(1.10	+1.0	+1.75)	/2	
			X 0.70m	=	2.74m
1 X 5.50m X	(0.95	+1.0	+1.63)	/2	
			X 0.65m	=	4.67m

Continuation

X 0.65m = 4.67m

Sch. XLV-Form No. 134

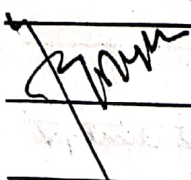
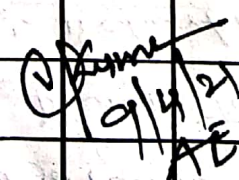
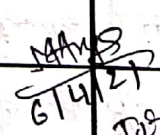
Particulars	Details of actual measurement				Contents of area
	No.	I.	B.	D.	
1 X 6.20 m	X	$(6.4 + 5.80 + 7.30)/2$			
		$\times 0.8 + 1.60$			49.85 "
1 X 30.0 m	X	$(1.20 + 0.85 + 1.0 + 2.82)/3$			
		$\times 1.8 + 2.0 + 1.6$			103.68 "
1 X 20.0 m	X	$(1.20 + 1.0 + 0.90 + 2.47)/3$			
		$\times 1.20 + 1.8 + 1.30$			50.17 "
1 X 3.50 m	X	$(0.95 + 1.0 + 2.31)/2$			
		$\times 1.30 + 1.40 + 1.30$			7.68 "
1 X 5.0 m	X	$(1.20 + 1.10 + 1.0 + 1.87)/2$			
		$\times 0.50 + 1.20 + 0.60$			5.69 "
1 X 3.50 m	X	$(1.2 + 1.20 + 1.83)/2$			
		$\times 0.90 + 0.6 + 0.40$			3.14 "
1 X 6.0 m	X	$(1.20 + 1.20 + 1.63)/2$			
		$\times 0.6 + 0.45 + 0.25$			3.25 "
1 X 2.0 m	X	$1.0 + 1.50$		$\times 0.50 m$	1.25 "
1 X 10.0 m	X	$(0.90 + 1.20 + 0.90 + 2.40)/3$			
		$\times 1.50 + 1.30$			23.80 "
1 X 9.0 m	X	$(1.30 + 0.85 + 0.60 + 2.04)/3$			
		$\times 0.4 + 1.7 + 1.60 + 0.80$			14.99 "
1 X 28.0 m	X	$(1.20 + 1.10 + 0.85 + 2.20)/3$			
		$\times 1.40 + 0.90$			52.33 "
1 X 11.50 m	X	$(1.20 + 1.30 + 1.93)/2$			
		$\times 0.75 + 0.60$			12.34 "
1 X 52.0 m	X	$(1.20 + 1.10 + 0.90 + 2.33)/3$			
Continuation					
		$\times 1.30 + 1.2 + 1.30$			111.97 "

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 19.0m X		$(\frac{1.20+1.0+0.85}{3} + 2.42)/2$			
		X $\frac{1.40+1.2+1.60}{3}$			45.75m ²
1 X 8.80m X		$(\frac{1.0+0.85}{2} + 1.98)/2$			
		X $\frac{0.90+1.20}{2}$			13.44m ²
1 X 7.80m X		$(\frac{0.9+0.95}{2} + 1.48)/2$			
		X $\frac{0.50+0.60}{2}$			5.17m ²
1 X 5.0m X		$(\frac{0.9+1.0}{2} + 1.80)/2$			
		X 0.85			5.84m ²
1 X 7.0m X		$(\frac{1.0+0.95+1.0}{3} + 2.13)/2$			
		X $\frac{1.60+1.80}{2}$			13.27m ²
1 X 10.50m X		$(\frac{0.9+1.20+0.90}{3} + 1.80)/2$			
		X $\frac{0.7+0.90}{2}$			11.76m ²
1 X 4.0m X		$(\frac{1.20+1.10}{2} + 2.40)/2$			
		X $\frac{1.20+1.30}{2}$			8.88m ²
1 X 3.50m X		$(\frac{0.90+0.80}{2} + 1.60)/2$			
		X $\frac{0.90+0.60}{2}$			3.22m ²
1 X 5.50m X		$(\frac{1.20+1.4+1.0+1.95}{3})/2$			
		X 0.75m			6.50m ²
1 X 3.40m X		$(\frac{1.40+1.20}{2} + 1.95)/2$			
		X 0.65m			3.59m ²
1 X 3.80m X		$(\frac{1.20+1.0}{2} + 1.65)/2$			
		X 0.55m			2.87m ²
1 X 5.50m X		$(\frac{1.10+1.20}{2} + 1.80)/2$			
		X 0.65m			5.27m ²
1 X 22.0m X		$(\frac{3.90+4.0+4.10+4.60}{3})/2$			
		X 0.60m			56.76m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 3.50m X	(1.10 + 1.0)	2	1.85	1/2	
			X 0.80m =		4.06 m ²
1 X 3.50m X	(0.90 + 0.85)	2	1.53	1/2	
			X 0.65m =		2.74 "
1 X 20.0m X	(0.90 + 0.75)	2	2.18	1/2	
			X 1.2 + 1.50		= 40.64 "
1 X 8.50m X	(1.10 + 1.20 + 0.80 + 2.22)	3		1/2	
			X 1.50 + 1.2 + 1.0 + 0.90		= 16.08 "
1 X 44.0m X	(4.50 + 4.30 + 4.60 + 4.20)	4			
			+ 5.70	1/2 X 1.3 + 1.10 + 1.50	288.86 "
1 X 9.50m X	(1.10 + 0.95)	2	12.79	1/2	
			X 1.90 + 2.10 + 1.30		= 32.08 "
1 X 6.0m X	(1.0 + 1.20)	2	2.03	1/2	
			X 1.30 + 1.50		= 8.48 "
1 X 8.0m X	(1.0 + 1.40)	2	2.75	1/2	
			X 1.80 + 1.80		= 25.84 "
1 X 26.0m X	(0.6 + 0.7 + 1.2 + 1.3 + 0.30)	4			
			+ 2.59	1/2 X 1.90 + 1.6 + 1.20	= 73.73 "
1 X 3.0m X	(4.6 + 4.90 + 3.80 + 5.90)	3		1/2	
			X 1.30 + 1.60 + 1.50		= 22.73 "
1 X 8.0m X	(0.6 + 1.20 + 0.75)	3		2.68	1/2
			X 1.30 + 1.50		= 22.18 "
1 X 30.0m X	(1.4 + 1.10 + 1.0)	3		3.43	1/2
			X 2.10 + 2.6 + 2.10		= 156.40 "
1 X 5.0m X	(3.80 + 3.75)	2		5.23	1/2
			X 1.50 + 1.40		= 32.66 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 5.50m	X	$\frac{1.0 + 1.0 + 0.90}{3}$		$+ 2.22$	$\frac{1}{2}$
	X	$\frac{1.20 + 1.30 + 1.25}{3}$			$= 10.97m^2$
1 X 3.80m	X	$\frac{4.40 + 4.20}{2}$		$+ 6.25$	$\frac{1}{2}$
	X	$\frac{2.0 + 1.90}{2}$			$= 39.09m^2$
1 X 6.40m	X	$\frac{4.40 + 4.10}{2}$		$+ 6.15$	$\frac{1}{2}$
	X	$\frac{1.20 + 1.30 + 1.40 + 1.70}{4}$		$+ 2.0$	$= 63.23m^2$
1 X 6.0m	X	$\frac{1.20 + 1.70}{2}$		$+ 2.72$	$\frac{1}{2}$
		$\frac{1.80 + 1.70 + 1.20}{3}$			$= 18.19m^2$
1 X 20.10m	X	$\frac{1.20 + 0.9 + 0.80 + 3.47}{4}$			$\frac{1}{2}$
	X	$\frac{2.60 + 2.8 + 2.10}{3}$			$= 111.56m^2$
1 X 6.30m	X	$\frac{1.10 + 1.40 + 2.10 + 4.98}{4}$			$\frac{1}{2}$
	X	$\frac{3.50 + 3.40 + 3.45}{3}$			$= 70.75m^2$
1 X 30.00m	X	$\frac{3.30 + 3.40 + 3.20}{3}$			
	$4.53 \frac{1}{2}$	$\frac{1.10 + 1.6 + 1.0}{3}$			$= 144.86m^2$
Part (2) -					$0.47 = 2378.93m^2$
  					

Abstract of Cost

12

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of Work:- FDR/Part A'					
Temporary Restored					
Name of Road:- Bijuriya NH31					
Bajargaon To Adampur					
Via Dhapi Telta madhopur					
Agency:- Departmental Work					
Length:- 19.500 Km					
Block:- Baisampur					
① providing brick bats					
including, laying					
Compacting with C.T.					
Hammer - E.L.T.					
1027.08 m ³ D.V.T.MBP - (4)					
2378.93 m ³ " P - (11)					
3406.01 m ³					
@ Rs. 1717.37/m ³ - Rs.					5849379.00
					128. 5849379.00
Add 12% GST (4)					Rs. 701925.00
Add 1% L. Cess (4)					Rs. 58494.00
Add 10% Scurage (4)					Rs. 303500.00
					Rs. 6913298.00
① Kuma					
6/04/21					
AE					
MAHS					
6/4/21					
JE					

Continuation