

BIJURIYA NH31 BAJAR GAON TO ADAMPUR
VIA DHAPI TELTA MADHOPUR

Schedule XLV-Form No. 134 ^{CH TO FDR}

BARSOI

DIVISION

Bahampur

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. (G)
Sub-division, Balrampur.

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

[Signature]
4/9/2020

Sch. XLV - Form No. 134

BARSOI DIVISION
Balrampur SUB-DIVISION

Measurement Book
No. 1697.

Name of officer _____

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)

of the measurement relating to each work)					Contents of area
Particulars	Details of actual measurement				
	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 — E.I.					
1 x 3.70 m x	$\frac{1.20 + 1.30 + 2.79}{3}$				
	$\times \frac{1.7 + 1.0 + 1.85 + 1.60}{4}$				11.49 m ³
1 x 13.60 m x	$\frac{1.10 + 1.0 + 0.95 + 3.28}{3}$				
	$\times \frac{1.60 + 1.80 + 1.85}{3}$				57.24 "
1 x 4.80 m x	$\frac{1.8 + 1.75 + 1.10 + 2.10}{3}$				
	$\times \frac{0.5 + 0.60}{2}$				4.82 "
Continuation					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 2.70 m	X	$\frac{0.70+1.80+0.30}{3}$		$\frac{+1.68}{2}$	
	X	$\frac{0.70+0.80}{2}$			= 2.64 m ²
1 X 6.40 m	X	$\frac{0.50+0.8+1.30+1.20}{4}$			
				$\frac{+1.88}{2} \times \frac{0.7+0.9+1.20}{3}$	= 8.45 "
1 X 4.20 m	X	$\frac{0.6+0.75+1.20+1.70}{3}$		$\frac{+1.70}{2}$	
	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	$\frac{1.30+1.25}{2}$		$\frac{+2.28}{2}$	
	X	$\frac{0.80+1.20}{2}$			= 3.74 "
1 X 8.0 m	X	$\frac{1.10+1.25+1.40+2.00}{3}$		$\frac{+2.00}{2}$	
	X	$\frac{0.80+0.90}{2}$			= 10.71 "
1 X 5.00 m	X	$\frac{1.20+1.3+1.50+1.80}{3}$		$\frac{+1.80}{2}$	
	X	$\frac{1.20+0.60}{2}$			= 4.50 "
1 X 10.00 m	X	$\frac{1.20+1.10+1.0+2.45}{3}$		$\frac{+2.45}{2}$	
	X	$\frac{1.80+0.90}{2}$			= 23.96 "
1 X 35.0 m	X	$\frac{1.90+0.95}{2}$		$\frac{+3.26}{2}$	
	X	$\frac{1.50+1.7+2.30}{3}$			= 150.47 "
1 X 10.0 m	X	$\frac{1.10+1.2+1.10+2.87}{3}$		$\frac{+2.87}{2}$	
	X	$\frac{1.50+1.8+1.90}{3}$			= 34.67 "
1 X 6.0 m	X	$\frac{2.0+2.10+2.20+2.83}{3}$		$\frac{+2.83}{2}$	
	X	$\frac{0.6+0.9+0.70}{3}$			= 10.85 "
1 X 15.0 m	X	$\frac{1.20+1.10+1.30+3.33}{3}$		$\frac{+3.33}{2}$	
	X	$\frac{2.40+2.10+1.90}{3}$			= 72.48 "
1 X 4.0 m	X	$\frac{1.30+1.25+1.20+2.85}{3}$		$\frac{+2.85}{2}$	
Continuation					
	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 3.0m X	(1.10 + 1.0 + 0.95 + 2.63)/2				
	X 1.7 + 1.8 + 1.50				= 9.25
1 X 2.0m X	(1.0 + 1.20 + 2.50)/2				
	X 1.50 + 1.30				= 5.04
1 X 6.0m X	(1.10 + 1.0 + 0.90 + 2.63)/2				
	X 1.60 + 1.5 + 1.8				= 17.79
1 X 11.0m X	(1.10 + 1.20 + 1.10 + 3.02)/2				
	X 1.65 + 2.3 + 1.80				= 43.43
1 X 5.0m X	(1.20 + 1.0 + 0.90 + 2.43)/2				
	X 1.20 + 1.60				= 12.11
1 X 11.0m X	(1.20 + 1.10 + 1.0 + 3.22)/2				
	X 2.20 + 2.30 + 1.85				= 50.29
1 X 1.30m X	(1.10 + 1.20 + 1.10 + 2.48)/2				
	X 1.20 + 1.50				= 3.17
1 X 9.50m X	(1.20 + 1.10 + 0.95 + 2.58)/2				
	X 1.40 + 1.5 + 1.60				= 26.08
1 X 13.0m X	(1.50 + 1.6 + 1.30 + 3.57)/2				
	X 2.15 + 2.45 + 1.70				= 68.80
1 X 3.0m X	(2.0 + 1.70 + 1.60 + 2.97)/2				
	X 1.8 + 1.20 + 0.60				= 8.53
1 X 8.50m X	(1.10 + 1.20 + 0.70 + 2.40)/2				
	X 1.50 + 1.40 + 1.30				= 20.23
1 X 17.50m X	(0.8 + 2.0 + 1.1 + 0.90 + 3.0)/2				
	X 2.3 + 2.6 + 1.70				= 80.85
1 X 7.0m X	(0.9 + 1.10 + 1.85 + 0.90 + 2.72)/2				

Continuation

$$X \frac{1.50 + 1.8 + 1.30}{2} = 20.98$$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 7.70 m x	(1.20 + 1.30 + 0.60 + 2.38) / 2				
	x 1.20 + 1.5 + 1.35 =				17.72 m
1 x 10.0 m x	(1.10 + 1.0 + 0.95 + 2.93) / 2				
	x 2.10 + 1.95 + 1.70 =				37.85 m
1 x 24.0 m x	(1.6 + 1.75 + 1.80 + 3.42) / 2				
	x 1.70 + 1.9 + 1.50 =				104.86 m
1 x 2.0 m x	(1.20 + 1.0 + 2.50) / 2				
		1.20 + 1.60 =			5.04 m
1 x 4.0 m x	(1.20 + 1.10 + 2.0) / 2				
	x 0.90 + 0.80 =				5.36 m
1 x 3.50 m x	0.95 + 2.15 x 1.20 =				6.51 m

1 x 5.50 m x	(1.70 + 1.80 + 2.70) / 2				
	x 0.95 m =				11.63 m
1 x 3.0 m x	(1.10 + 1.20 + 1.90) / 2				
	x 0.75 =				3.43 m
1 x 3.0 m x	(2.40 + 1.60 + 2.65) / 2				
	x 0.65 =				4.53 m
1 x 4.0 m x	(2.0 + 2.4 + 1.7 + 2.93) / 2				
	x 0.95 m =				9.46 m
1 x 6.0 m x	(2.0 + 1.8 + 2.10 + 2.87) / 2				
	x 0.50 m =				13.07 m
1 x 2.0 m x	(1.20 + 1.10 + 1.90) / 2				
	x 0.75 =				2.29 m
1 x 7.0 m x	(1.20 + 0.90 + 2.40) / 2				
	x 1.20 + 1.50 =				16.30 m
	Part (1) 0.47 =				1027.08 m

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	L.	B. D.	
1 x 9.0 m	x	$\frac{1.20 + 0.90}{2}$	$\frac{+ 2.48}{2}$	
		$\frac{1.8 + 1.20 + 1.30}{3}$		22.77 m ²
1 x 4.0 m	x	$\frac{0.9 + 1.4 + 1.0}{3}$	$\frac{+ 2.08}{2}$	
	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	$\frac{0.8 + 1.3 + 0.80}{3}$	$\frac{+ 1.62}{2}$	
	x	0.65 m		3.79 "
1 x 2.60 m	x	$\frac{1.0 + 1.20 + 1.0}{3}$	$\frac{+ 1.70}{2}$	
	x	0.70 m		2.58 "
1 x 11.0 m	x	$\frac{0.8 + 1.40 + 1.6 + 1.0}{4}$		
	$\frac{2.75}{2}$	x	$\frac{1.65 + 1.7 + 1.30}{3}$	33.67 "
1 x 4.20 m	x	$\frac{0.50 + 1.20 + 1.45}{2}$		
	x	0.60 m		2.90 m ²
1 x 3.50 m	x	$\frac{0.9 + 1.20 + 0.90}{3}$		
	$\frac{1.70}{2}$	x	0.70 m	3.31 "
1 x 7.10 m	x	$\frac{0.80 + 1.20 + 0.90 + 2.30}{3}$		
	x	$\frac{1.20 + 1.50}{2}$		15.77 "
1 x 6.0 m	x	$\frac{0.80 + 1.0 + 0.9 + 0.60 + 2.38}{4}$		
	x	$\frac{1.6 + 1.50}{2}$		14.93 "
1 x 7.0 m	x	$\frac{0.6 + 1.0 + 0.9 + 0.70}{4}$		
	$\frac{2.08}{2}$	x	$\frac{1.20 + 1.30}{2}$	12.73 "
1 x 3.0 m	x	$\frac{0.6 + 0.9 + 1.0 + 0.50}{4}$		
	$\frac{1.55}{2}$	x	0.80 m	2.76 "
1 x 4.20 m	x	$\frac{1.20 + 1.0 + 0.95 + 1.93}{3}$		
		x	0.85 m	5.37 "

Continuation

6
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 2.50 m		$\frac{1.0 + 1.20 + 1.0 + 1.9}{3}$			
				x 0.90 m	= 3.26 "
1 x 5.20 m		$\frac{1.6 + 1.7 + 2.30}{2}$			
				x 0.65 m	= 6.68 "
1 x 7.0 m		$\frac{3.8 + 4.0 + 3.90 + 4.65}{3}$			
				x 0.70 + 0.80	= 22.44 "
1 x 2.0 m		$\frac{1.50 + 1.70}{2}$		x 1.20 m	= 5.04 "
1 x 6.0 m		$\frac{1.10 + 1.2 + 1.80 + 2.28}{3}$			
				x 1.20 + 1.30	= 12.41 "
1 x 9.0 m		$\frac{1.10 + 1.20 + 1.10 + 2.83}{3}$			
				x 1.60 + 1.80	= 30.89 "
1 x 8.50 m		$\frac{1.20 + 1.10 + 1.85 + 2.55}{3}$			
				x 1.60 + 1.40	= 22.95 "
1 x 5.0 m		$\frac{1.10 + 1.20 + 1.20 + 1.82}{3}$			
				x 0.65 m	= 4.86 "
1 x 5.0 m		$\frac{0.85 + 1.0 + 0.90 + 1.67}{3}$			
				x 0.75 m	= 4.86 "
1 x 30.0 m		$\frac{1.20 + 0.85 + 1.2 + 1.0 + 3.66}{4}$			
				x 2.40 + 2.8 + 2.60	= 184.08 "
1 x 8.0 m		$\frac{1.10 + 0.95 + 2.38}{2}$			
				x 1.20 + 1.50	= 18.41 "
1 x 5.60 m		$\frac{1.0 + 1.10 + 0.60 + 1.75}{3}$			
				x 0.85 m	= 6.31 "
1 x 3.20 m		$\frac{1.20 + 1.3 + 1.0 + 1.77}{3}$			
				x 0.60 m	= 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 ²
1 X 3.80m X	(1.20	+0.85	+1.48)	/2	
			X 0.45m	=	2.15m ²
1 X 3.0m X	(1.10	+1.20	+1.85)	/2	
			X 0.70	=	3.15m ²
1 X 4.0m X	(1.10	+1.0	+1.65)	/2	
			X 0.60	=	3.24m ²
1 X 4.50m X	(0.8	+0.90	+1.35)	/2	
			X 0.50	=	2.48m ²
1 X 9.0m X	(1.60	+1.85	+1.50	+2.9)/2	
			X 1.20	+1.30	= 25.59m ²
1 X 3.50m X	(0.90	+0.70	+1.97)	/2	
			X 1.50	+1.6	+0.40 = 5.66m ²
1 X 6.00m X	(1.10	+1.20	+0.90	+2.12)/2	
			X 0.90	+1.20	= 10.05m ²
1 X 5.0m X	(1.0	+1.2	+0.60	+1.53)/2	
			X 0.60m	=	3.69m ²
1 X 12.0m X	(1.20	+0.85	+2.58)	/2	
			X 1.50	+1.60	= 33.57m ²
1 X 7.0m X	(1.0	+0.85	+2.38)	/2	
			1.6	+1.30	= 16.80m ²
1 X 2.80m X	(1.10	+1.0	+1.75)	/2	
			X 0.70m	=	2.74m ²
1 X 5.50m X	(0.95	+1.0	+1.63)	/2	
Continuation					X 0.65m = 4.67m ²

Continuation

$$\times 0.65 \text{ m} = 4.6711$$

Particulars	Details of actual measurement				Contents of area
	No.	L	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	$(1.20 + 0.85 + 1.0 + 2.82) / 2$			
		$\times 1.8 + 2.0 + 1.6$			103.68 "
1 X 20.0 m	X	$(1.20 + 1.0 + 0.90 + 2.47) / 2$			
		$\times 1.20 + 1.8 + 1.39$			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	$\frac{1.0 + 1.50}{2}$	$\times 0.50 m$		1.25 "
1 X 10.0 m	X	$(0.90 + 1.20 + 0.90 + 2.40) / 2$			
		$\times 1.50 + 1.30$			23.80 "
1 X 9.0 m	X	$(1.30 + 0.85 + 0.60 + 2.04) / 2$			
		$\times 0.4 + 1.7 + 1.60 + 0.80$			14.99 "
1 X 28.0 m	X	$(1.20 + 1.10 + 0.85 + 2.20) / 2$			
		$\times 1.40 + 0.90$			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	$(1.20 + 1.10 + 0.90 + 2.33) / 2$			

Continuation

$$\times \frac{1.30 + 1.2 + 1.30}{3} = 111.97 "$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 19.0m X	(1.20 + 1.0 + 0.85 + 2.42)	3			2
	X	1.40 + 1.2 + 1.60	3		45.75 m ²
1 X 8.80m X	(1.0 + 0.85 + 1.98)	2			2
	X	0.90 + 1.20	2		13.44 m ²
1 X 7.80m X	(0.9 + 0.95 + 1.48)	2			2
	X	0.50 + 0.60	2		5.17 m ²
1 X 5.0m X	(0.9 + 1.0 + 1.80)	2			2 X 0.85 = 5.84 m ²
1 X 7.0m X	(1.0 + 0.95 + 1.0 + 2.18)	3			2
	X	1.60 + 0.80	2		13.27 m ²
1 X 10.50m X	(0.9 + 1.20 + 0.90 + 1.80)	3			2
	X	0.7 + 0.90	2		11.76 m ²

1 X 4.0m X	$(\frac{1.20 + 1.10}{2} + 2.40)/2$ X	
	$\frac{1.20 + 1.30}{2} =$	8.88 "
1 X 3.50m X	$(\frac{0.90 + 0.80}{2} + 1.60)/2$	
	X $\frac{0.90 + 0.60}{2} =$	3.22 "
1 X 5.50m X	$(\frac{1.20 + 1.4 + 1.0 + 1.95}{3})/2$	
	X 0.75m =	6.50 "
1 X 3.40m X	$(\frac{1.40 + 1.20}{2} + 1.95)/2$	
	X 0.65m =	3.59 "
1 X 3.80m X	$(\frac{1.20 + 1.0}{2} + 1.65)/2$	
	X 0.55m =	2.87 "
1 X 5.50m X	$(\frac{1.10 + 1.20}{2} + 1.80)/2$	
	X 0.65m =	5.27 "
1 X 22.0m X	$(\frac{3.90 + 4.0 + 4.10 + 4.60}{3})/2$	
	X 0.60m =	56.76 "

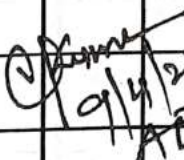
Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 3.50m x $(\frac{1.10+1.0}{2} + 1.85)/2$					
				X 0.80m =	4.06m ²
1 X 3.50m x $(\frac{0.90+0.85}{2} + 1.53)/2$					
				X 0.65m =	2.74 "
1 X 20.0m x $(\frac{0.90+0.75}{2} + 2.18)/2$					
				X $\frac{1.2+1.50}{2}$ =	40.64 "
1 X 8.50m x $(\frac{1.10+1.20+0.90+2.23}{3})/2$					
				X $\frac{1.50+1.2+1.0+0.90}{4}$ =	16.08 "
1 X 44.0m x $(\frac{4.50+4.30+4.60+4.20}{4} + 5.70)/2$					
				X $\frac{1.3+1.10+1.50}{3}$ =	288.86 "
1 X 9.50m x $(\frac{1.10+0.95}{2} + 2.79)/2$					
				X $\frac{1.90+2.10+1.30}{3}$ =	32.08 "
1 X 6.0m x $(\frac{1.0+1.20}{2} + 2.03)/2$					
				X $\frac{1.30+1.50}{2}$ =	8.48 "
1 X 8.0m x $(\frac{1.0+1.40}{2} + 2.75)/2$					
				X $\frac{1.60+1.80}{2}$ =	8.25.84 "
1 X 26.0m x $(\frac{0.6+0.7+1.2+1.3+0.30}{4} + 2.59)/2$					
				X $\frac{1.90+1.6+1.20}{3}$ =	73.73 "
1 X 3.0m x $(\frac{4.6+4.90+3.80+5.90}{3})/2$					
				X $\frac{1.30+1.60+1.50}{3}$ =	22.73 "
1 X 8.0m x $(\frac{0.6+1.20+0.75}{3} + 2.68)/2$					
				X $\frac{1.30+1.50}{2}$ =	22.18 "
1 X 30.0m x $(\frac{1.4+1.10+1.9+3.43}{3})/2$					
				X $\frac{2.10+2.6+2.10}{3}$ =	156.40 "
1 X 5.0m x $(\frac{3.80+3.75+5.23}{2})/2$					
				X $\frac{1.50+1.40}{2}$ =	32.66 "

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 5.50 m	x	$\frac{1.0 + 1.0 + 0.90}{3}$		$\frac{+ 2.22}{2}$	
	x	$\frac{1.20 + 1.30 + 1.25}{3}$			= 10.97 m
1 x 3.80 m	x	$\frac{4.40 + 4.20}{2}$		$\frac{+ 6.25}{2}$	
	x	$\frac{2.00 + 1.90}{2}$			= 39.09 m
1 x 6.40 m	x	$\frac{4.40 + 4.10}{2}$		$\frac{+ 6.15}{2}$	
	x	$\frac{1.20 + 1.30 + 1.40 + 1.70 + 2.0}{5}$			= 63.23 m
			4		
1 x 6.0 m	x	$\frac{1.20 + 1.10}{2}$		$\frac{+ 2.72}{2}$	
		$\frac{1.80 + 1.70 + 1.20}{3}$			= 18.13 m
1 x 20.10 m	x	$\frac{1.20 + 0.90 + 0.80}{3}$		$\frac{+ 3.47}{2}$	
	x	$\frac{2.60 + 2.80 + 2.10}{3}$			= 111.56 m

1 x 6.30 ~	x	$\frac{(1.10 + 1.40 + 2.10 + 4.98)}{3}$	
	x	$\frac{3.50 + 3.40 + 3.45}{3}$	= 70.75
1 x 30.00 ~	x	$\frac{(3.30 + 3.40 + 3.20)}{3}$	
		$4.53 \frac{1}{2} \times \frac{(1.10 + 1.6 + 1.0)}{3}$	= 144.86
Part (2) -			DAY = 2378.93
 9/4/21		 6/4/21	
		JES	
Continuation			