Certified that this M.B Containts 100 (One hundred) Nos of Machine Pages & issued to Sri DINESH CHOUDHARY A.E, R.W.D, works Sub Division DANAPUR.

20/7/20

Executive Engineer
Rural Works Department
Works Division, Danapur

20/7/20

M.B. issued to
Sri Chaturbhuj Mandal
J.E. R.W.D works
Sub Divn Danapur

20/07/20
A.E

Sch. XLV - Form No. 134

EXECUTIVE ENGINEER
DANAPUR DIVISION

DANAPUR SUB-DIVISION

Measurement Book

No. 1361

Name of Officer _____

_____

Date of first entry _____

Date of last entry _____

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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 :- Emergent Repair of Road from Mukhya Khagaul Road Batala to Adampur Mukhesi Tak Ki ore Jane Wali Road					
Authority - EE, RWD, Works Division, Danapur					
Head :- FDR					
Record Entry					
Date of Entry :- 21.07.20					
Date of Measurement :- 21.07.20					
eH20/0075M					
(1) Prov and laying Brick Bat					
8.00 X	$\frac{7.90+4.20}{2}$			X 0.250	
				= 12.10 m³	
22.00 X	$\frac{4.20+3.75}{2}$			X 0.200	
				= 17.49 m³	

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		3.75+4.20			
15.00 X		———	X 0.200		
		2			
			=	15.84 m³	
		4.20+3.75			
15.00 X		———	X 0.180		
		2			
			=	11.40 m³	
		3.75+3.60			
15.00 X		———	X 0.200		
		2			
			=	13.78 m³	
				70.61 m³	
21/07/20			21/07/20		

Record Entry —

Date of Entry — 22.07.20

Date of Measurement — 22.07.20

CH = 75 to 135 M.

① Prov. and laying Brick Bat

		3.60+3.75			
15.00 X		———	X 0.300		
		2			
			=	16.53 m³	
		3.75+4.20			
20.00 X		———	X 0.300		
		2			
			=	23.85 m³	
		4.20+3.75			
10.00 X		———	X 0.300		
		2			
			=	11.92 m³	

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15.00 X 3.75 X 0.300 = 16.87 m³					
					69.17 m³
22/07/20			22/07/20		
I					

Record Entry

Date of Entry:- 23.07.20

Date of Measurement:- 23.07.20

CH = 135 to 210 M

(1) Prov. and laying brick Bat

$15.00 \times \frac{3.75+3.20}{2} \times 0.280$

$= 14.59 m^3$

$15.00 \times \frac{3.20+3.50}{2} \times 14$

$15.00 \times \frac{3.20+3.50}{2} \times 0.290 = 14.57 m^3$

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15.00 X		$\frac{3.50+3.30}{2}$		X 0.290	
					= 14.79 m³
30.00 X		$\frac{3.70+3.75}{2}$		X 0.250	
					= 26.43 m³
					70.38 m³
	23/07/20			23/07/20	

Record Entry:—

Date of Entry:— 24.07.20

Date of Measurement:— 24.07.20.

eH = 210 702701M

① prov. and laying Brick Bat

13.00 X 3.75 X 0.260 = 12.67 m³

9.00 X $\frac{3.75+4.10}{2}$ X 0.310

= 10.95 m³

8.00 X $\frac{4.10+4.00}{2}$ X 0.300

= 9.72 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	4.70+3.50				
15.00X		3	X0.320		
				=18.00 mt	
			=18.48 mt		
	3.50+4.20				
15.00X		3	X0.320		
			=18.48 mt		
			69.82 mt		
24/07/20			24/7/20		
	I.V.				

Record Entry

Date of Entry:- 25.07.20

Date of Measurement:- 25.07.20

CH = 2.70 to 3.30 M

① Prov. and laying brick bat

4.20+4.60

10.00X — 3 X 0.300

= 13.20 mt

4.60+4.20

20.00X — 3 X 0.300

= 26.40 mt

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Sch. XLV-Form No. 134

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

15.00 x (4.20 + 3.75) / 2 x 0.310

= 18.48 "

15.00 x 3.75 x 0.310 = 17.43 m³

75.51 m³

25/07/20

Record Entry:-

Date of Entry - 26/07/20

Date of Meas. - 26/07/20

CH = 330 M to 405 M

(1) Prov. and laying Brick Bat

15.00 x (3.75 + 3.30) / 2 x 0.210

= 11.10 m³

15.00 x (3.30 + 3.75) / 2 x 0.240

= 12.69 m³

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
30.00 X 3.75 X 0.240					
			= 27.00 m³		
15.00 X (3.75+3.60)/2 X 0.240					
			= 13.23 m³		
			64.02 m³		
26/07/20			26/07/20		

Record Entry:

Date of Entry:- 27.07.20

Date of Measurement:- 27.07.20.

CH = 405 to 480 M

① Prov. and laying Brick Bat

15.00 X (3.60+3.75)/2 X 0.240

= 13.23 m³

15.00 X (3.75+3.60)/2 X 0.240

= 11.57 m³

15.00 X 3.60 X 0.240 = 11.34 m³

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		3.60+3.50			
30.00X		—	2X0.270		
			= 28.75 m³		
					64.89 m³
27/07/20			27/07/20		

Record Entry

Date of Measurment :- 28/07/20

Entered Entry :- 28/07/20.

eM = 480 to 551 M.

(1) Prov. and laying Brick Bat

		3.50+3.77			
15.00X		—	3X0.270		
			= 14.68 m³		
		2.75+3.50			
15.00X		—	3X0.240		
			= 13.04 "		
		3.50+4.20			
15.00X		—	3X0.240		
			= 13.86 "		
15.00X	4.20X0.240 = 15.12 m³				

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		4.20+6.90			
15.00 X			2 X 0.180		
			= 14.98 "		
					71.68 m³
28/07/20					
J.B.		28/7/20			
			AE		

Record Entry

Date of Entry:- 29.07.20

Date of Measurement:- 29.07.20.

CH = 555M to 630M

(1) Prov. and laying Brick Bat

6.90+3.80

15.00 X ——— 2 X 0.180

= 14.44 m³

3.80+4.10

15.00 X ——— 2 X 0.180

= 10.53 "

4.10+3.75

15.00 X ——— 2 X 0.180

10.46 m³

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15.00 X 3.75 X 0.210 = 11.81 m³					
15.00 X (3.75 + 3.10) / 2 X 0.210					
			=	11.41 m³	
				58.65 m³	
29/07/20 J.E.			29/07/20 AE		

Record Entry

Date of Entry - 30/07/20

Date of Measurement - 30/07/20

eH = 630 to 720 M

(1) Prov. and laying Brick Bat

3 X 30.00 X 3.75 X 0.210

= 70.87 m³

30/07/20 J.E.

30/07/20 AE

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Record Entry				
Date of Entry			31/07/20		
Date of Measurement			31/07/20		
CH = 720 to 825 M					
(1) Prov. and laying Brick Bat					
30.00 X 3.75 X 0.180 = 20.25 m³					
7.00 X 3.75 X 0.180 = 4.72 "					
8.00 X 3.75 X 0.180 = 5.40 "					
4.00 X 3.50 X 0.180 = 2.52 "					
15.00 X (3.50+3.75)/2 X 0.130					
= 7.06 m³					
15.00 X (3.75+4.10)/2 X 0.130					
= 7.55 m³					
15.00 X (4.10+4.20)/2 X 0.160					
= 9.84 m³					
57.34 m³					
31/07/20 J.E.			31/07/20 AE		

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry					
Date of Entry			01/08/20		
Date of Measurement			01/08/20		
CH = 825 to 975 H					
① prov. and laying Brick flat					
		4.20 + 3.75			
15.00 X		2	X 0.160		
			= 9.54 m³		
10.00 X	3.75 X 0.160 = 6.00 "				
		3.75 + 3.60			
5.00 X		2	X 0.160		
			= 2.94 m³		
		3.60 + 3.70			
5.00 X		2	X 0.150		
			= 2.73 m³		
		3.70 + 3.50			
5.00 X		2	X 0.150		
			= 2.70 m³		
		3.50 + 3.75			
5.00 X		2	X 0.150		
			= 2.71 m³		
		3.75 + 3.00			
13.00 X		2	X 0.150		
			= 6.58 m³		
		2.80 + 3.70			
6.00 X		2	X 0.120		
			= 2.34 m³		
		3.70 + 3.70			
6.00 X		2	X 0.120 = 2.48 m³		

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4.00 X 3.60 X 0.120 = 1.72 cum					
4.00 X $\frac{1.60+1.80}{2}$ X 0.150 = 1.02 cum					
4.00 X $\frac{3.50+3.80}{2}$ X 0.150					
= 2.19 cum					
5.00 X 3.80 X 0.150 = 2.85 cum					
5.00 X $\frac{3.80+3.60}{2}$ X 0.200					
= 3.70 cum					
7.00 X $\frac{3.60+4.60}{2}$ X 0.300					
= 8.61 cum					
8.00 X $\frac{4.60+4.00}{2}$ X 0.330					
= 11.35 cum					
15.00 X $\frac{4.00+5.00}{2}$ X 0.330					
= 22.27 cum					
				91.73 cum	
01/08/20 J.E.			01/08/20 AE		

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Record Entry					
Date of Entry :- 02/08/20					
Date of Measurement :- 02/08/20					
CH = 9.75 M to 10.20 M					
(1) Prov. and laying Brick Bat					
10.00 X 5.00 X 0.330 = 16.50 cum					
5.00 X	4.30 + 3.80 / 2	X 0.390			
			= 7.89 cum		
15.00 X	3.80 + 4.80 / 2	X 0.390			
			= 25.15 cum		
15.00 X	4.80 + 4.20 / 2	X 0.480 = 32.40 cum			
				81.94 cum	
02/08/20 J.E.		02/08/20			
Record Entry					
Date of Entry :- 03/08/20					
Date of Measurement :- 03/08/20					
CH = 10.20 to 10.53 M					
(1) Prov. and laying Brick Bat					

Continuation

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	4.20 + 2.80				
30.00 X			2 X 0.420		
			=	50.40 mt	
3.80 +					
3.00 X					
3.00 X 3.80 X 0.420 = 4.78 mt					
				55.18 mt	
03/08/20			03/08/20		
03					

Continuation

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1st on A/C Bill

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of WORK:- Emergent Repair of Road from Mukhya Khagaul Road Batala to Adampur Mushari Tak ki ore Janewali Road.					
Authority:- EE, RWD, Works Division, Danapur					
Head:- FDR					

Further Measurement:-

NIL

26/11/20
J.E.

26/11/20
A.E.

Continuation

Abstract of cost

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1) providing and laying brick Bat including all complete as per specification and direction of E/I.					
on (1)	P –	(2)	70.6	m³	
on (1)	P –	(3)	69.17	"	
on (1)	P –	(4)	70.38	"	
on (1)	P –	(5)	69.82	"	
on (1)	P –	(6)	75.51	"	
on (1)	P –	(7)	~~64.89~~	"	64.02 m³
on (1)	P –	(8)	64.89	m³	
on (1)	P –	(9)	71.68	m³	
on (1)	P –	(10)	58.65	"	
on (1)	P –	(10)	70.87	"	
on (1)	P –	(11)	57.34	"	
on (1)	P –	(12)	91.73	"	
on (1)	P –	(14)	81.94	"	
on (1)	P –	(15)	55.18	"	
			971.79	m³	
compacted quantity					
			$\frac{100}{120}$		
= 971.79 ×					
= 809.82 m³					
@ Rs. 2288 = 16	m³		Rs.		18,52,998=00
			C.O. Rs.		18,52,998=00

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	B.F.	Rs.	18,52,998=00		
		Rs.	18,52,998=00		
Add 12% GST		Rs.	2,22,360=00		
Add 1% Labour cost			Rs. 18,530=00		
Add seigionaage			Rs. 1,03,204=00		
		Rs.	21,97,092=00		
seigionaage					
Qty = 971.79 m^3					
@ Rs. 1062=00/m^3			Rs. 10,32,041=00		(A)
10% of (A) =			Rs. 1,03,204=00.		
26/11/20 J.E.		26/11/20			

Material Statement

(1) Brick Bat ~~809.82 m^3~~
971.79 m^3

26/11/20 J.E.

26/11/20

Continuation