BARSOI

MMSNY

Schedule XLV-Form No. 134

RCC CULVERT OVER NALA TO WARDS GOBINDPUR-KABRISTAN ROAD

DIVISION

R.W.D. BARSOI.

Barsoi

Below 20%

SUB-DIVISION

JAY SINGH PASWAN

Ag. No- 111F2/2017-18

-853-

Measurement Book

TO 7 PAMRA TO BALRAMPUR SIMA

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
CH – 2245 F.D.R					
Name of work – Restoration of work TO7 Pamra To Babampur Sima.					
Agency – Departmental					
Supplier –					
Authority –					
Date of start –					
Date of Completion –					
Date of entry – 25.3.24					

Record Measurement

(1) P/r Brick Bats including spreading, Laying and Compacting with CI Rammer

$1 \times 6.90 \times \frac{(2.05+3.7)}{2} \times \frac{(1.60+1.70)}{2}$

$= 32.73 M^3$

$1 \times 4.70 \times \frac{(0.80+1.65)}{2} \times \frac{(0.90+0.80)}{2}$

$= 4.89 M^3$

$1 \times 6.70 \times \frac{(1.65+3.05)}{2} \times \frac{(1.3+1.5)}{2}$

$= 22.04 M^3$

$1 \times 13.80 \times \frac{(1.70+2.83)}{2} \times \frac{(0.90+1.30+1.20)}{3}$

Continuation

Particulars	Details of measurement				Contents of area
	No.	L.	B.	D.	
1 X 5.0 X		$\frac{(1.75+3.0)}{2}$	X	$\frac{(1.20+1.30)}{2}$	
				= 14.81 M^3	
1 X 5.40 X		$\frac{(1.45+2.15)}{2}$	X	$\frac{(0.60+0.80)}{2}$	
				= 6.80 M^3	
1 X 6.0 X		$\frac{(1.85+2.60)}{2}$	X	$\frac{(0.70+0.60)}{2}$	
				= 10.01 M^3	
1 X 5.0		$\frac{(1.50+2.10)}{2}$	X	0.6 =	5.40 M

1 X 7.50 X		$\frac{(1.55+2.7)}{2}$	X	$\frac{(1.20+1.10)}{2}$	
				2	18.33 M^3
1 X 6.20 X		$\frac{(1.55+2.80)}{2}$	X	$\frac{(1.10+1.40)}{2}$	
				=	16.86 M
1 X 7.0 X		$\frac{(1.40+2.20)}{2}$	X	$\frac{(0.90+0.70)}{2}$	
				=	10.08 M
1 X 8.0 X		$\frac{(1.38+1.91)}{2}$	X	$\frac{(0.50+0.60)}{2}$	
				=	7.02 M
1 X 7.20 X		$\frac{(1.13+1.93)}{2}$	X	$\frac{(0.90+0.70+0.85)}{3}$	
				=	8.81 M^3

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1 X 7.10	X (1.20 + 1.90) / 2	X	(0.60 + 0.30 + 0.80) / 3		
				= 7.70 M³	
1 X 5.0	X (1.05 + 1.38) / 2	X	(0.30 + 0.25) / 2		
				= 1.97 M³	
1 X 3.80	X (1.05 + 1.35) / 2	X	(0.30 + 0.35) / 2		
				= 1.48 M³	
1 X 15.0	X (1.13 + 1.84) / 2	X	(0.60 + 0.30 + 0.25 + 0.80) / 4		
				= 15.82 M³	
1 X 10.40	X (1.35 + 2.10) / 2	X	(0.80 + 0.70 + 0.90 + 0.60) / 4		
				= 13.46 M³	
1 X 19.20	X (1.50 + 2.25) / 2	X	(0.30 + 0.80) / 2		
				= 27.0 M³	
1 X 12.20	X (1.53 + 2.28) / 2	X	(0.70 + 0.80) / 2		
				= 17.93 M³	
1 X 10.10	X (1.38 + 2.25) / 2	X	(0.40 + 1.0 + 1.2 + 0.9) / 4		
				= 16.04 M³	

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1	x 9.10	x (2.03+2.73)/2		x 0.70	= 15.16 M³
1	x 6.40	x (1.45+2.10)/2		x (0.50+0.50)/2	= 2.38 M³
1	x 9.60	x (1.15+1.75)/2		x (0.60+0.70+0.50)/3	= 8.35 M³
1	x 7.50	x (1.15+1.75)/2		x (0.60+0.70+0.50)/3	= 6.53 M³
1	x 6.0	x (2.65+2.90)/2		x (0.30+0.20)/2	= 4.16 "
1	x 28.50	x (1.53+2.13)/2		x 0.60	= 31.29 M³
1	x 5.0	x (0.35+0.58)/2		x (0.20+0.25)/2	= 0.52 M³
1	x 8.0	x (1.63+2.40)/2		x 0.75	= 12.36 M³
1	x 5.90	x (1.50+2.30)/2		x 0.80	= 8.97 "
1	x 19.50	x (1.95+2.15)/2		x 0.70	= 24.57 "

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1 X 22.0		X (2.0 + 2.32) / 2		X (0.30 + 0.35 + 0.90) / 3	= 15.05 M³
1 X 24.0		X (1.05 + 11.18) / 2		X 0.92	= 12.90 M³
1 X 16.0		X (0.75 + 0.10) / 2		X (0.30 + 0.70) / 2	= 5.18 M³
1 X 10.0		X (1.15 + 1.90) / 2		X (0.60 + 0.90) / 2	= 11.44 M³
1 X 20		X (1.40 + 2.15) / 2		X (0.60 + 0.90) / 2	= 26.63 M³
1 X 8.0		X (4.75 + 6.88) / 2		X 1.60	= 49.62 M³
1 X 34.0		X (1.44 + 2.20) / 2		X (0.60 + 0.70 + 0.90 + 1.0) / 4	= 47.03 M³
1 X 9.20		X (1.90 + 2.50) / 2		X 0.60	= 12.74

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1 X 5.50		$\frac{(2.35+3.50)}{2}$		X 1.15	= 18.50 M³
1 X 8.30		$\frac{(1.65+2.15)}{2}$		X 0.50	= 7.77 M³
1 X 15.80		$\frac{(1.15+1.60)}{2}$		$\frac{(0.10+0.60+0.35)}{3}$	= 9.78 M³
1 X 14 X		$\frac{(1.55+2.20+1.40+2.05)}{4}$ X $\frac{(0.70+0.60)}{2}$			= 15.06 M³
1 X 27.0		$\frac{(1.26+1.94)}{2}$		$\frac{(0.30+0.60+0.80+1.10)}{4}$	= 29.16 M³
1 X 10.50		$\frac{(1.77+3.57)}{2}$		$\frac{(1.20+1.10+1.30)}{3}$	= 50.46 M³
1 X 12.10		$\frac{(1.55+1.88)}{2}$		X 0.35	= 10.20 M³
1 X 29.50		$\frac{(1.75+2.65)}{2}$		$\frac{(1.20+1.0+0.8+0.6)}{4}$	= 58.41 M³
1 X 18.80		$\frac{(1.40+1.88)}{2}$		$\frac{(0.50+0.60+0.3)}{3}$	= 14.27 M³

Continuation

Particulars	Details of actual measurements				Contents of area
	No.	L.	B.	D.	
1 x 8.0 x (1.15+1.60)/2 x (0.30+0.60)/2					= 4.955 m³
1 x 14.80 x (1.7+2.20)/2 x 0.50					= 14.43 "
1 x 5.60 x (1.25+1.75)/2 x (0.30+0.60)/2					= 6.27 m³
1 x 14.10 x (1.27+1.97)/2 x (0.85+0.60)/2					= 15.99 m³
1 x 16.70 x (1.53+2.37)/2 x (0.90+1.0+1.20)/3					= 28.32 m³
1 x 5.0 x (3.50+4.30)/2 x 0.40					= 7.80 "
1 x 6.0 x (1.65+1.85)/2 x 0.20					= 2.10 "
1 x 9.50 x (1.40+1.60)/2 x 0.20					= 2.85 "
1 x 30.50 x (0.75+2.05)/2 x (1.20+1.4+1.5)/3					= 55.51 m³
1 x 14.0 x (1.25+1.80)/2 x (0.50+0.60)/2					= 9.22 m³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 X 9.20		X (6.87 + 2.33) / 2			
			X (1.50 + 1.60 + 1.30) / 3		
				=	21.57M³
1 X 17.20		X (0.82 + 1.32) / 2		X 0.50	
				=	9.20 M³
1 X 8.0		X (1.33 + 1.98) / 2		X (0.60 + 0.70) / 2	
				=	8.61 M³

1 X 5.90		X (1.33 + 1.98) / 2		X (0.60 + 0.70) / 2	
				=	6.35M³
1 X 9.00		X (1.33 + 1.98) / 2		X (0.60 + 0.70) / 2	
				=	9.68M³
1 X 23.0		X (1.15 + 3.30) / 2		X (1.80 + 2.50) / 2	
				=	110.03M³
1 X 19.60		X (1.20 + 1.90) / 2		X (0.70 + 0.90 + 0.50) / 3	
				=	21.27M³

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1 X 7.0 X (1.20+1.90)/2				x (0.30+0.90+0.50)/3	7.60 m²
				Total-	1154.8 m²

(2) Labour for driving 62 mm to 75 mm dia Bamboo piles

1 X 370.10 m = 370.10 m

No's of Bamboo

370.10 / 0.30 x 4 = 4935 Nos

(3) Supplying, fitting and fixing of Bamboo 62 mm to 75 mm dia runners fixed at every vertical pile

4 X 370.10 = 1480.4 m

(4) Supplying, fitting and fixing in position split Bamboo woven chamchory

370.10 m X 1.50 m = 555.15 m²

Continuation