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Schedule XLV-Form No. 134

PHD KATIHAH-MANIHARI ROAD LALBAHA
CHWIK TO SLJ (RATANPUR)

_____**DIVISION**

MANIHARI

_____**SUB-DIVISION**

MEASUREMENT BOOK

313
5/10/20

Name to work— 1

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— Repaving of Road

Kaliha—Manihari Road Talbaga

Chowk to SIJ (RATNAPUR)

Agency— Departmental

Year— F.D.R Part A (2022)

Length— 3.341 KM

Item no 1— Providing of laying

of Brick Bats— E11

Calculation of Brick Bats

$$1 \text{ NO} \times 1.70 \times \frac{2.10 + 1.00 + 1.40}{2} \times \frac{2.50 + 1.0}{2} = 5.36 \text{ m}^3$$

$$1 \text{ NO} \times 4.70 \times \frac{1.40 + 0.90 + 1.45}{3} \times \frac{1.60 + 1.50 + 0.60}{3} = 5.91 \text{ m}^3$$

$$1 \text{ NO} \times 3.50 \times \frac{1.50 + 1.00 + 1.00}{3} \times \frac{1.50 + 1.00}{2} = 4.94 \text{ m}^3$$

$$1 \text{ NO} \times 11.50 \times \frac{1.90 + 2.10 + 1.80}{3} \times \frac{1.50 + 1.30}{2} = 35.59 \text{ m}^3$$

$$1 \text{ NO} \times 5.50 \times \frac{0.70 + 0.60}{2} \times \frac{1.50 + 1.20}{2} = 5.57 \text{ m}^3$$

$$1 \text{ NO} \times 13.90 \times \frac{1.00 + 1.0 + 1.30}{3} \times \frac{2.10 + 1.20}{2} = 33.87 \text{ m}^3$$

$$1 \text{ NO} \times 12.00 \times \frac{1.40 + 1.10 + 1.50}{3} \times \frac{2.20 + 2.50}{2} = 37.60 \text{ m}^3$$

$$1 \text{ NO} \times 10.50 \times \frac{1.30 + 0.60}{2} \times \frac{1.20 + 0.700}{2} = 10.49 \text{ m}^3$$

$$1 \text{ NO} \times 8.00 \times \frac{2.50 + 2.40}{2} \times \frac{2.20 + 1.50}{2} = 31.36 \text{ m}^3$$

$$1 \text{ NO} \times 4.00 \times \frac{1.10 + 1.50}{2} \times \frac{1.80 + 2.100}{2} = 8.06 \text{ m}^3$$

$$2 \text{ NO} \times 4.00 \times \frac{1.40 + 0.90}{2} \times \frac{2.10 + 1.900}{2} = 13.40 \text{ m}^3$$

$$2 \text{ NO} \times 4.00 \times \frac{1.25 + 1.50}{2} \times \frac{1.20 + 2.000}{2} = 17.60 \text{ m}^3$$

$$1 \text{ NO} \times 5.00 \times \frac{0.40 + 0.60}{2} \times \frac{1.80 + 2.200}{2} = 5.75 \text{ m}^3$$

$$1 \text{ NO} \times 18.00 \times \frac{1.60 + 1.70 + 1.70}{3} \times \frac{1.90 + 2.10}{2} = 57.16 \text{ m}^3$$

$$1 \text{ NO} \times 2.00 \times \frac{0.40 + 0.45}{2} \times \frac{1.20 + 1.500}{2} = 1.15 \text{ m}^3$$

$$1 \text{ NO} \times 4.90 \times \frac{1.50 + 0.60 + 0.70}{3} \times \frac{1.80 + 1.90}{2} = 8.09 \text{ m}^3$$

$$1 \text{ NO} \times 5.40 \times \frac{2.00 + 1.50}{2} \times \frac{1.95 + 2.100}{2} = 19.14 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 NO X 30.00 X	$\frac{1.50+0.60+1.20}{2}$	$\frac{1.90+1.00+1.15}{2}$			64.35 m ³
2 NO X 30.00 X	$\frac{1.50+0.60+1.20}{2}$	$\frac{1.90+1.00+1.15}{2}$			106.70 m ³
1 NO X 25.00 X	$\frac{2.10+1.30+1.90}{2}$	$\frac{2.10+2.05}{2}$			74.35 m ³
1 NO X 2.00 X	$\frac{2.10+1.50}{2}$	$\frac{2.00+1.50}{2}$			8.10 m ³
1 NO X 2.50 X	$\frac{1.50+1.20}{2}$	$\frac{2.00+2.50}{2}$			7.59 m ³
1 NO X 15.00 X	$\frac{2.50+2.40}{2}$	$\frac{2.40+2.30}{2}$			86.36 m ³
1 NO X 2.00 X	$\frac{1.00+1.50}{2}$	$\frac{2.50+1.90}{2}$			5.50 m ³
1 NO X 2.00 X	$\frac{2.50+2.10}{2}$	$\frac{1.90+1.60}{2}$			8.05 m ³
1 NO X 3.00 X	$\frac{0.60+0.45}{2}$	$\frac{1.00+0.60}{2}$			1.26 m ³
1 NO X 3.00 X	$\frac{0.60+0.45}{2}$	$\frac{2.10+1.65}{2}$			2.95 m ³
1 NO X 10.00 X	$\frac{1.50+1.20}{2}$	$\frac{2.00+2.00}{2}$			28.35 m ³
1 NO X 30.00 X	$\frac{1.60+1.10+1.0}{2}$	$\frac{2.00+2.10}{2}$			86.10 m ³
1 NO X 30.00 X	$\frac{1.60+1.10+1.0}{2}$	$\frac{1.60+2.10+1.90}{2}$			85.40 m ³
1 NO X 9.30 X	$\frac{1.00+1.0}{2}$	$\frac{1.00+1.20+0.90}{2}$			10.42 m ³
1 NO X 6.00 X	$\frac{1.40+1.15}{2}$	$\frac{1.70+1.10+1.0}{2}$			8.31 m ³
1 NO X 8.00 X	$\frac{1.50+1.20}{2}$	$\frac{2.00+1.20+1.090}{2}$			6.48 m ³
1 NO X 1.50 X	$\frac{1.50+1.30}{2}$	$\frac{1.30+1.20}{2}$			2.14 m ³
1 NO X 1.00 X	$\frac{1.00+0.90}{2}$	$\frac{1.00+0.80}{2}$			0.18 m ³
1 NO X 2.80 X	$\frac{1.80+1.50}{2}$	$\frac{1.00+0.80}{2}$			2.24 m ³
1 NO X 9.40 X	$\frac{1.50+1.60+1.80}{3}$	$\frac{1.30+1.20+1.10}{3}$			18.42 m ³
1 NO X 1.50 X	$\frac{1.50+0.80+0.90}{2}$	$\frac{0.60}{2}$			0.77 m ³
1 NO X 4.50 X	$\frac{1.50+1.20}{2}$	$\frac{0.30+1.10+1.20}{3}$			5.29 m ³
1 NO X 3.00 X	$\frac{0.30+0.45}{2}$				1.24 m ³
1 NO X 2.00 X	$\frac{1.20+1.10}{2}$	$\frac{0.30+0.45+0.40}{3}$			13.13 m ³
1 NO X 21.00 X	$\frac{1.20+1.80+1.30}{3}$	$\frac{0.45+0.90+1.30}{3}$			91.23 m ³
1 NO X 2.70 X	$\frac{1.40+1.10}{2}$	$\frac{1.30}{2}$			4.39 m ³
1 NO X 12.70 X	$\frac{1.10+1.00+0.90+1.10}{2}$				13.34 m ³
1 NO X 59.50 X	$\frac{1.10+1.20+1.30+1.60+1.10}{2}$				78.69 m ³
1 NO X 96.00 X	$\frac{2.10+2.40+2.50+2.10}{4}$	$\frac{2.30+1.40+1.20+1.30}{4}$			137.18 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 NO X 28.00 X $\frac{1.20+1.20}{2} \times \frac{1.80+1.80}{2}$	3				62.79 m ³
1 NO X 25.00 X $\frac{1.10+1.20}{2} \times \frac{1.90+1.40}{2}$	3				11.88 m ³
1 NO X 7.00 X $\frac{1.10+1.80}{2} \times \frac{1.40+1.40}{2}$	3				18.32 m ³
1 NO X 22.00 X $\frac{2.10+1.90}{2} \times \frac{2.20+1.10}{2} \times \frac{1.10+1.10}{2}$	3				40.01 m ³
1 NO X 17.00 X $\frac{0.90+0.90}{2} \times \frac{0.90+0.90}{2} \times \frac{0.90+1.10}{2}$	3				9.00 m ³
1 NO X 1.80 X 1.10 X 0.20					0.44 m ³
1 NO X 15.00 X $\frac{0.80+0.80}{2} \times \frac{0.90+0.60}{2} \times \frac{0.90+1.10}{2}$	4				3.19 m ³
1 NO X 2.00 X $\frac{1.10+1.20}{2} \times 1.0 \times 0.20$	2				0.46 m ³
1 NO X 5.00 X $\frac{1.10+1.20}{2} \times \frac{0.90+1.10}{2} \times 0.20$	2				2.16 m ³
2 NO X 8.50 X $\frac{1.10+1.10}{2} \times \frac{0.60+0.40}{2}$	2				5.36 m ³
Total					1358.47 m ³
<u>Deduction</u>					
1 NO X 10.70 X $\frac{1.10+0.80}{2} \times \frac{1.00+1.20}{2}$	3				9.42 m ³
1 NO X 13.70 X $\frac{0.80+0.60}{2} \times \frac{1.10+1.00}{2}$	2				8.22 m ³
1 NO X 30.00 X $\frac{0.70+0.60}{2} \times \frac{1.10+1.10}{2}$	2				23.43 m ³
1 NO X 4.70 X $\frac{0.70+0.45}{2} \times \frac{1.10+1.10}{2}$	2				3.57 m ³
1 NO X 3.50 X $\frac{0.80+0.70}{2} \times \frac{1.20+0.90}{2}$	2				3.12 m ³
1 NO X 5.50 X $\frac{0.95+0.70}{2} \times \frac{0.90+1.00}{2}$	2				1.96 m ³
2 NO X 30.00 X $\frac{1.00+0.80}{2} \times \frac{1.20+1.20}{2}$	2				59.40 m ³
1 NO X 25.00 X $\frac{1.70+0.90}{2} \times \frac{1.20+1.10}{2}$	2				40.25 m ³
1 NO X 15.00 X $\frac{1.20+1.20}{2} \times \frac{1.10+1.10}{2}$	2				22.28 m ³
1 NO X 11.50 X $\frac{1.20+2.10+1.70}{3} \times \frac{1.20+1.20}{2}$	3				23.96 m ³
1 NO X 18.00 X $\frac{1.00+1.20}{2} \times \frac{1.50+1.70}{2}$	2				33.66 m ³
1 NO X 30.00 X $\frac{1.10+1.10}{2} \times \frac{0.70+0.70}{2}$	2				27.00 m ³
Total					256.45 m ³
Say					-256.45 m ³

Continuation

Continuation