

W/ROAD:- Takuli (To) To Chaihpur-Charehara

MR - 3054.

Schedule XLV-Form No. 134

M.B NO - 809

R.W.D - MADHAWRA

Block - PANAPUR

DIVISION

PANAPUR

SUB-DIVISION

AGENCY:- LALAN. KUMAR

Measurement Book

1.

Name of work -

Situation of work -

Execution of work -

Date of measurement -

Date of measurement -
No. and date of agreement

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:- <u>1st On Afr Bdr</u> <u>from Pakule (T.B) To</u> <u>Champhurchariha</u>					
Agency:- <u>Lalam kumars</u> .					
Agg No:- <u>15/MR/MRD/2020-21</u> <u>3024</u>					
Date of start:- <u>23.09.2020</u>					
Date of comp:- <u>22.06.2021</u>					
Accnts - <u>9583086.12</u>					

① Cleaning and Grubbing
of Road land etc

$$2 \times (9.50 + 7.30 + 26.50) \times 1.00 = 86.60$$

an 01866 Hae

(2) Construction of self-grafted CS_n graft terpolymer with acryl malonate

~~Thickness of 15 mm~~

$$961 \text{ km} - 20 \times 1.50 \times 1.00 = 30.40 \text{ m}^2$$

$$12 \times 1.25 \times 1.40 = 21.00 \text{ m}^3$$

$$200 - 18 \times 1.25 \times 1.50 = 33.75 \text{ l.l}$$

$$16 \times 1.42 \times 1.50 = 24.48$$

$$\text{Sol. } 15 \times 1.40 \times 1.50 = 22.50 \text{ m.}$$

Continuation

Sch. XLV_Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
"	14	$1.25 \times 1.50 = 26.25 \text{ m}^2$			
alb-	24	$1.00 \times 1.50 = 36.00 \text{ m}^2$			
Stk -	12	$1.00 \times 1.50 = 12.00 \text{ m}^2$			
					$199.50 \text{ m}^2 \text{ (A)}$

Thickness of 150 mm:

Pst	$12 \times 2.40 \times 1.50 = 36.00 \text{ m}^2$
	$8 \times 2.40 \times 2.0 = 32.00 \text{ m}^2$
	$10 \times 1.25 \times 1.50 = 12.50 \text{ m}^2$
2D	$14 \times 2.40 \times 2.0 = 56.00 \text{ m}^2$
	$10 \times 2.40 \times 1.50 = 30.00 \text{ m}^2$
3DP	$15 \times 2.40 \times 2.0 = 60.00 \text{ m}^2$
	$16 \times 1.25 \times 1.50 = 20.00 \text{ m}^2$
4DP	$18 \times 2.40 \times 1.50 = 54.00 \text{ m}^2$
2	

Stk -	$6 \times 2.40 \times 2.0 = 24.00 \text{ m}^2$
	$32.450 \text{ m}^2 \text{ (B)}$

Thickness of 100 mm:

Pst -	$15 \times 1.50 \times 2.00 = 45.00 \text{ m}^2$
"	$20 \times 1.25 \times 1.50 = 37.50 \text{ m}^2$
2D	$22 \times 2.40 \times 1.50 = 66.00 \text{ m}^2$
"	$10 \times 1.50 \times 2.00 = 30.00 \text{ m}^2$
"	$2 \times 2.40 \times 2.00 = 8.00 \text{ m}^2$
3DP	$16 \times 1.50 \times 2.00 = 48.00 \text{ m}^2$
	$10 \times 2.40 \times 2.00 = 40.00 \text{ m}^2$
	$8 \times 3.00 \times 1.50 = 6.00 \text{ m}^2$
4DP	$18 \times 2.40 \times 1.50 = 54.00 \text{ m}^2$
5th	$12 \times 2.40 \times 2.00 = 48.00 \text{ m}^2$

Continuation $372.50 \text{ m}^2 \text{ (A)}$

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Qty -	199.50	m^2	$\times 0.175$	= 34.9143	
	324.50	m^2	$\times 0.180$	= 48.67 "	
	372.50	m^2	$\times 0.180$	= 37.25 "	
				1	
				120.83 m^3	

③ Bricklaying & laying walls
Con-2 40 m² approx

G.S.B Area

$$(199.50 + 324.50 + 372.50) \times 1.022 = 914.43 \text{ m}^2$$

only walls 2 sides

Rate:	$24 \times 2.00 \times 1.50 = 72.00$
	$13 \times 2.00 \times 2.00 = 52.00$
	$20 \times 2.00 \times 1.00 = 40.00$
	$12 \times 1.25 \times 1.00 = 15.00$
	$6 \times 1.00 \times 1.50 = 9.00$
Rate:	$30 \times 2.00 \times 1.50 = 90.00$
	$15 \times 2.00 \times 2.00 = 60.00$
	$20 \times 1.00 \times 1.50 = 30.00$
	$4 \times 1.00 \times 1.25 = 5.00$
Rate:	$25 \times 2.00 \times 1.50 = 75.00$
	$18 \times 2.00 \times 2.00 = 72.00$
	$16 \times 1.25 \times 2.00 = 40.00$
Rate:	$22 \times 2.00 \times 1.50 = 66.00$
Rate:	$17 \times 2.00 \times 2.00 = 68.00$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$24 \times 1.25 \times 1.10 = 30.00 \text{ m}^2$
					$1.8 \times 1.10 \times 1.50 = 27.00 \text{ m}^2$
					$1665.43 \text{ m}^2 (\text{A})$

Qty - $1665.43 \text{ m}^2 \times 0.075 = 124.91 \text{ cu m}$

Qty limit after 10% = 124.91 cu m

(4) Boarding and Laying

worm cm³

only worm cm² Area

$= 1665.43 \times 1.02 = 1698.74 \text{ cu m}$

only worm cm³ Area

BT - $17 \times 2.10 \times 2.50 = 85.00 \text{ m}^2$

$14 \times 2.10 \times 1.50 = 42.00 \text{ m}^2$

$24 \times 1.10 \times 1.50 = 36.00 \text{ m}^2$

$10 \times 2.10 \times 2.10 = 42.00 \text{ m}^2$

20 $18 \times 2.10 \times 2.10 = 72.00 \text{ m}^2$

$12 \times 2.10 \times 2.50 = 60.00 \text{ m}^2$

$22 \times 2.10 \times 1.50 = 66.00 \text{ m}^2$

3rd $16 \times 2.10 \times 2.10 = 80.00 \text{ m}^2$

$15 \times 1.50 \times 2.10 = 45.00 \text{ m}^2$

$18 \times 2.10 \times 2.10 = 72.00 \text{ m}^2$

4th $13 \times 2.10 \times 1.50 = 39.00 \text{ m}^2$

5th $15 \times 2.10 \times 2.10 = 75.00 \text{ m}^2$

$25 \times 2.10 \times 2.10 = 100.00 \text{ m}^2$

$2510.74 \text{ m}^2 (\text{A})$

Qty - $2510.74 \text{ m}^2 \times 0.075 = 188.30 \text{ cu m}$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) <u>Bracing and applying</u> <u>Prime Coats</u>					
Area of Sides					
27m & (14)	=	2510.74 m ²			
(6) <u>Bracing and applying</u> <u>Tack Coat</u>					
Area Same as (4)	=	2510.74 m ²			
(7) <u>Bracing and laying</u> 20mm Thick MS					
Area Same as (4)	=	2510.74 m ²			
(8) <u>Bracing and applying</u> tack Coat					
$(950+730+2650) \times 3.75 = 16237.50 \text{ m}^2$					
(9) <u>Providing and laying</u> 25 mm thick STBEC					
$(950+730+2650) \times 3.75 = 16237.50 \text{ m}^2$					
$\text{Qty} = 16237.50 \text{ m}^2 \times 0.025 = 405.91 \text{ m}^3$					
(10) <u>Cost of Subgrade construction</u> shoulder					
$2(950+730+2650) \times 0.70 \times 0.30 = 1818.60 \text{ m}^3$					
Let's - $2 \times 12.12 \times 0.70 \times 0.30 = 5.04 \text{ m}^3$					
$2 \times 25 \times 0.70 \times 0.30 = 10.50 \text{ m}^3$					
$1818.60 + 5.04 + 10.50 = 1823.14 \text{ m}^3$					

Sch. XLV Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Providing and applying hot applied thermoplastic compound form road markings					
					$2(9.50 + 7.30 + 2.60) \times 100 = 866.00\text{m}^2$
(12) Boarding and fixing of ordinary kerb — 05 Nos					
(13) Boarding and fixing of 200 mm kerb — 18 Nos					
(14) Boarding and fixing of Boundary Rollin — 36 Nos					
(15) Boarding and fixing of 400 mm board					
					$2 \times 1.20 \times 0.80 = 1.92 \text{ m}^2$
(16) Boarding and fixing of Traffic sign board					
(17) 600 mm equilateral triangular — 48 Nos					
(22) 600mm dia Circular — 48 Nos					
(222) 600mm x 450mm rectangular — 17 Nos					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) planting of trees by the Receipts solo -					= 21 Nos
(18) framing and painting of typical legs + centre + maintenance Board -					04 Nos
(19) framing work in ceiling					
					$2 \times 3.00 \times 0.40 \times 0.60 = 1.44 \text{ m}^3$
					$2 \times 1.15 \times 0.40 \times 0.60 = 1.99 \text{ m}^3$
					$2 \times 6.00 \times 0.40 \times 0.60 = 2.88 \text{ m}^3$
					$2 \times 6.00 \times 0.40 \times 0.50 = 2.40 \text{ m}^3$
					$\sum 8.71 \text{ m}^3$
					Quantity of plaster required = 8.64 m^3
(20) framing plaster in all (1=4 nos. rooms)					
					$2 \times 2 \times 3.00 \times 0.600 = 7.20 \text{ m}^3$
					$1 \times 2 \times 3.00 \times 0.400 = 2.40 \text{ m}^3$
					$2 \times 2 \times 4.15 \times 0.600 = 9.96 \text{ m}^3$
					$1 \times 2 \times 4.15 \times 0.400 = 3.32 \text{ m}^3$
					$2 \times 2 \times 6.00 \times 0.600 = 14.40 \text{ m}^3$
					$1 \times 2 \times 6.00 \times 0.400 = 4.80 \text{ m}^3$
					$2 \times 2 \times 6.00 \times 0.600 = 14.40 \text{ m}^3$
					$1 \times 2 \times 6.00 \times 0.400 = 4.80 \text{ m}^3$
					$\sum 61.28 \text{ m}^3$

Continuation

Area of no plaster = 60.48 m^2

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

(2) Bricklaying & concrete work
coat on new Surface

$$\text{Area, Vol 2nd (20)} = 61.28 \text{ m}^2$$

$$2 \times 2 \times 6.40 \times 1.00 = 24.00 \text{ m}^2$$

$$2 \times 2 \times 6.40 \times 1.40 = 33.60 \text{ m}^2$$

$$2 \times 2 \times 6.40 \times 1.40 = 24.00 \text{ m}^2$$

$$\text{Total} \cancel{= 142.88 \text{ m}^2}$$

Certified
5/10/2021
GE

AP
06/10/21
AE

Abstract of cost

① Clearing and Grubbing
of R.L.W.

2+① P- 1

0.866 Hac (2) 6 49496.70/Hef 42864.0

② Constr. of G&B gr- II

2+② P- 224

120.83 DB (2) 2492.41/Hef 301158.0

③ Brick and laying w/3m
(m²)

14x③ P-324

124.45 m² @ 4710.78/m² 586257.0

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ Plow and laying up					
W-2mm Cr-3					
2d-④ P-5					
188.30 m ² @Rs 1192.23/m ² Rs 789397.00					
⑤ Boarding and applying					
Prime wall					
2d-⑤ P-5					
2510.74 m ² @Rs 41.29/m ² Rs 103668.00					
⑥ Plow and applying Tack coule					
2d-⑥ P-5					
2510.74 m ² @Rs 19.00/m ² Rs 35150.00					
⑦ Plow and laying up 20mm + shell 14.5.5					
2d-⑦ P-5					
2510.74 m ² @Rs 229.69/m ² Rs 576692.00					
⑧ Boarding and applying Tacke coule					
1d-⑧ P-5					
16237.50 m ² @Rs 11.79/m ² Rs 190628.00					
⑨ Plow and laying up 25mm + shell 14.5.5					
2d-⑨ P-5					
105.94 m ² @Rs 11287.46/m ² Rs 4582032.00					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) Cost of Subgrade and earth embankments					
24-(10) P.G					
1803.06 m ² @ Rs 176.75/m ² Rs	318671.00				
(11) Forward cutting of Road margin roads					
24-(11) P.G					
866.00 m ² @ Rs 735.00/m ² Rs	6368.56/-				
(12) Road and paving of 1 km P.A					
1000 m P.A @ (12) P.G					
05 Nos @ Rs 2396.95/each Rs	11985.00				
(13) Forward cutting of 200 m P.A					
14-(13) P.G					
18 Nos @ Rs 651.40/each Rs	11752.00				
(14) Forward cutting of Boundary Wall					
24-(14) P.G					
36 Nos @ Rs 515.43/each Rs	18555.00				
(15) Forward cutting of earth walls					
14-(15) P.G					
1.92 m ² @ Rs 12419.13/m ² Rs	23845.40				
(16) Road and paving of traffic sum bus					
14-(16) P.G					
600 m x 0.9 m x 0.6 m					
48 Nos @ Rs 3705.32/each Rs	177855.00				
Continuation					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(52) 600 mm dia Cylindrical mud brick					
08 Nos @ 4304.67 each	30437/-				
(52) 600 mm x 480 mm Reel mud brick					
17 Nos @ 75.55 each	62484/-				
(17) Planting of Tree by the Road Side					
24 (17) P-7					
211 Nos @ 800.30 each	168863/-				
(18) Banana Plant of typical leaf + root + matured plant					
24 (18) P-7					
04 Nos @ 94.3897 each	37756/-				
(19) Pave road in area (1130)					
24 (19) P-7					
8.64 m ² @ 5102.61/m ²	41087/-				
(20) Boundary Hedges 04					
8' W, 10' (20) P-7					
60.48 m ² @ 155.19/m ²	9386/-				
(21) Room Painting two Coat on new Surface					
24 (21) P-8					
142.88 m ² @ 95.63/m ²	13,664/-				
	R.P	87740.62/-			

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.R	B774	062-0	
>Add 1st. An-Loss	(+) 6	8774	1-0		
Add 12th. AnGST	(+) 6	10528	87-0		
				1	
	R1	9914	690-0		
Less 3.59 y. An-Btm					
Route	(+) 5	35597	3-0		
	R2	955871	7-0		
Meter					
5-10-2021		06110121			
R2		AE			