

MR-3054 (new)

M.B.No- 671

24-25

Thebhai chowk se Pragsy Road To Shoshi

Schedule XLV-Form No. 134

ke Ghar Hote Hue Harijan Tola

यहिस. 21/2/27

DIVISION

3492 यहिस. 429501

SUB-DIVISION

Amit Kumar

Measurement Book

671

प्रमाणित किया जाना है कि इस
माप) पुल में 'अमरी' द्वारा दया
अंकित कुल - 100 (एक सौ) फीट है
जिसमें सहायक अभियंता, जामिया
कार्य विभाग, कार्य अवर प्रभुता,
परवत का निवास किया जाना है

Santosh/24
Executive Engineer
R.W.D. Works Div.
Bokri Gogri
8/8/24

Sch. XLV - Form No. 134

प्रभुता. 21/2/24 DIVISION
अवर प्रभुता. 42971 SUB-DIVISION

Measurement Book

671 No.

Name of officer _____

Date of first entry _____

Date of last entry _____

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Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
Vegetation - grass, blue grass					
Shrub -					
$2 \times 4 \times 30m \times 1m =$					$240m^2$
$2 \times 10 \times 30m \times 1m =$					$600m^2$
$2 \times 10 \times 30m \times 1m =$					$600m^2$
$2 \times 3 \times 30m \times 1m =$					$180m^2$
$2 \times 1 \times 10m \times 1m =$					$20m^2$
$2 \times 1 \times 20m \times 1m =$					$40m^2$
					$1680m^2$
in Hect = 0.168 Hect					
(2) Const. of granular					
Slab base for					
well graded material					
- - -					
$10 \times 3m \times 1.0m \times 0.10m$					$= 3.30m^3$
$12 \times 2m \times 1.50m \times 0.10m$					$= 3.60m^3$
$5 \times 2.20m \times 1.40m \times 0.10m$					$= 1.54m^3$
$8 \times 1.80m \times 1.40m \times 0.10m$					$= 1.68m^3$
$15 \times 2.15m \times 1.45m \times 0.10m$					$= 4.65m^3$
$11 \times 2m \times 1.40m \times 0.10m$					$= 3.08m^3$
Continuation					$17.88m^3$
					4.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
=			85	17.85m ²	
4 x 2.25m x 2.0m x 0.10m					
					= 1.80m ³
7 x 1.50m x 1.20m x 0.10m					
					= 1.26m ³
5 x 2.60m x 1.20m x 0.10m					
					= 1.56m ³
					22.50m ³

3) Pk, laying, spreading and consolidating Stone aggregate on 8000 sqm to width 3m

10 x 5m x 1.50m x 0.075m					
					= 5.62m ³
8 x 4m x 1.20m x 0.075m					
					= 2.88m ³
6 x 2.50m x 1.50m x 0.075m					
					= 1.69m ³
12 x 2.5m x 1.20m x 0.075m					
					= 2.16m ³
10 x 2.20m x 1.20m x 0.075m					
					= 2.06m ³
14 x 1.50m x 1.10m x 0.075m					
					= 1.73m ³
15 x 1.20m x 0.90m x 0.075m					
					= 1.22m ³

Continuation

17.36m³

to do

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		8.5	-	17	3.6 m ³
10 x 1.90m x 1.25m x 0.075m					= 1.78 m ³
16 x 0.90m x 0.80m x 0.075m					= 0.86 m ³
12 x 1.25m x 1.25m x 0.075m					= 1.35 m ³
11 x 1.20m x 0.90m x 0.075m					= 0.99 m ³
8 x 1.20m x 0.85m x 0.075m					= 0.61 m ³
12 x 1.25m x 0.95m x 0.075m					= 1.07 m ³
12 x 1.30m x 1.10m x 0.075m					= 1.29 m ³
					25.31 m ³

④ Construction of dry lean cement concrete sub base over a prepared sub grade with coarse and fine aggregate

10 x 2m x 1.25m x 0.075m					= 1.88 m ³
5 x 1.50m x 1.20m x 0.075m					= 0.68 m ³
7 x 2.10m x 1.25m x 0.075m					= 1.38 m ³

Continuation

3.94 m³
4.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			8.2	3.34	m ²
10 x 1.25m x 1.15m x 0.075m					
					= 1.08 m ³
15 x 1.15m x 0.90m x 0.075m					
					= 1.16 m ³
9 x 1.20m x 0.95m x 0.075m					
					= 0.77 m ³
12 x 1.65m x 1.00m x 0.075m					
					= 1.48 m ³
					8.44 m ³

5) const at 4m reinforced cement concrete pavement thickness as per design over a prepared surface
all comb. 00b

$$15m \times \frac{4.40 + 4 + 3.90}{3} \times 0.125m = 7.688m^3$$

$$15m \times \frac{3.90 + 3.85}{2} \times 0.125m = 7.266m^3$$

$$1 \times 10m \times 3.85m \times 0.125m = 4.62m^3$$

$$1 \times 11m \times \frac{3.85 + 4.14}{2} \times 0.125m = 5.493m^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4m x	1.14	3.38		0.125m	
		2			= 1.88m ³
6m x	3.38			0.125m	= 2.535m ³
15m x	3.38 + 3.50 + 3.70			0.125m	
		3			= 6.61m ³
15m x	5.70 + 4 + 5.40			0.125m	
		3			= 9.44m ³
15m x	5.40 + 4.20 + 3.35			0.125m	
		3			= 8.09m ³
15m x	3.35 + 3.50 + 3.75			0.125m	
		3			= 6.62m ³
15m x	3.75 + 3.5 + 3.10			0.125m	
		3			= 6.47m ³
15m x	3.10 + 3.20 + 3.0			0.125m	
		3			= 5.87m ³
18m x	3.10m			0.125m	
					= 6.20m ³
18m x	3.10 + 3.15 + 3.25			0.125m	
		3			= 6.33m ³
15m x	3.25 + 3.35 + 3.40			0.125m	
		3			= 6.25m ³
15m x	3.40 + 3.35 + 3.25			0.125m	
		3			= 6.19m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15m x 3.15m x 0.125m					3 = 5.91m
15m x 3.15 + 4.50 + 5.15m x 0.125m					3 = 8.00m ³
15m x 5.15 + 5 + 4m x 0.125m					3 = 8.84m ³
4m x 4 + 3.70m x 0.125m					2 = 1.92m
15m x 3.75 + 3.50 + 2.95m x 0.125m					3 = 6.38m ³
15m x 2.95 + 3.10m x 0.125m					2 = 5.67m ³
14m x 3.0m x 0.125m					= 4.125m ³
9m x 3.10 + 3.45m x 0.125m					2 = 3.68m ²
3.125m x 3.8					a - 1.237.95m ³
20.125m x 3.8					4 - 142.075m ³
(b) P/v and cutt by track					
Track coat cutt bituminious					
emulsion - cutt coat 20L					
15m x 4.90 + 3.75m					2 = 64.88m
2 x 30m x 3.75m					= 22.5m ²
1 x 15m x 3.75 + 3.70 + 3.75m					3 = 63.47m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$15m \times \frac{3.75 + 4.85}{2}m$					$64.50m^2$
$1 \times 30m \times 3.75m$					$112.50m^2$
$1 \times 23m \times 3.75m$					$86.25m^2$
$1 \times 15m \times \frac{3.75 + 3.70}{2}$					$55.88m^2$
$1 \times 15m \times \frac{3.70 + 4.85 + 3.75}{3}$					$61.50m^2$
$4 \times 30m \times 3.75m$					$450m^2$
$1 \times 15m \times \frac{3.75 + 3.85 + 3.72}{3}$					$56.60m^2$
$1 \times 30m \times 3.72m$					$111.60m^2$
$1 \times 19m \times \frac{3.72 + 3.75}{2}$					$44.82m^2$
$1 \times 13m \times 3.75m$					$48.75m^2$
$1 \times 30m \times \frac{3.75 + 3.70 + 3.65}{3}$					$111m^2$
$1 \times 10m \times \frac{3.65 + 3.75}{2}$					$37m^2$
$1 \times 30m \times 3.75m$					$112.50m^2$
$1 \times 13m \times 3.75m$					$48.75m^2$
$8m \times \frac{3.75 + 3.735}{2}$					$29.94m^2$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x 30.00 m x 3.735 m					= 224.10 m ²
1 x 15.00 m x 3.735 + 3.75 + 4.10					
					= 84.90 m ²
					2045.25 m ²

7) 1/2 and large semi
dense bituminous surface
- - - - - cut carb. 20%

Same qty in this pug

For (5) items (2) x

= 0.025 m

strike

2045.25 x 0.025 = 51.14 m³

8) Reinforced concrete

15 grade kon local

Stru - - - - - cut carb. 20%

(i) kon Stru - 2 m⁰

(ii) 200 mm Stru - 4 m⁰

9) Drain and Place Ident

ification sign with size

more than original - - - - - cut

carb. 20%

2 x 1.20 m x 0.80 m

= 1.92 m²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) L/r and fixing of retro reflectorized traffic sign cautionary, mandatory and informative sign as per S.R.C. 67 - - -					
(11) 600 mm Δ - 8 no					
(12) 600 mm $\bigcirc$ - 6 no					
(14) 600 mm x 450 mm $\square$ - 4 no					
(10) Thermoplastic Paint - 2 x 3 x 0.50 x 3 m					
Road Sand - 5 m x 2 = 10 no					
(11) Boundary Pillars					
R.C.C. 150 mm concrete bound clay pillars - all center					
at - 24 no					
(12) Planting of trees and their maintenance for one year - all center					
at - 2 no					
(13) Road marking with hot applied thermoplastic paint - all center					
C.C. Position					
2 x 10 x 30 mm x 0.10 m = 60 m ²					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
P.C. Paving					
$2 \times 10 \times 30 \text{ m} \times 0.10 \text{ m}$					$= 60 \text{ m}^2$
$2 \times 8 \times 30 \text{ m} \times 0.10 \text{ m}$					$= 48 \text{ m}^2$
$3 \times 4 \times 1.12 \text{ m} \times 0.15 \text{ m}$					$= 2 \text{ m}^2$
					$\underline{110 \text{ m}^2}$

(14) P.C. and fixing of tubular

manhole, P.C. and fixing of

board with lag of the

manhole - see contract

at - 8 m

(15) Brick masonry work

to cement mortar 1:3 m

particular excluding pointing

and plastering - see contract

sub

$2 \times 6 \text{ m} \times 0.40 \text{ m} \times 0.60 \text{ m}$

$= 2.88 \text{ m}^3$

(16) Plastering cement

mortar (1:4) on brick work

on substructure - see contract

sub

side face

$4 \times 0.60 \text{ m} \times 6 \text{ m} = 14.40 \text{ m}^2$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Top			B.F. 14	40m	
$2 \times 60m \times 0.40m$					$= 4.80m^2$
Front face					
$4 \times 0.40m \times 0.60m$					$= 0.96m^2$
					$20.16m^2$

(17) Painting two coats including primer coat after filling the surface —
cent 20

Same day painting

$20.16m^2 \times 2 = 40.32m^2$
 $= 20.16m^2$

(18) Construction of subgrade and Earthen shoulder with attached material —
— cent 20

$1 \times 5 \times 30m \times 1m \times 0.60m$

$= 90m^3$

$1 \times 5 \times 30m \times 0.60m \times 0.45m$

$= 40.50m^3$

$1 \times 2 \times 30m \times 0.60m \times 0.60m$

$= 21.60m^3$

$2 \times 5 \times 30m \times 0.60m \times 0.45m$

$= 81m^3$

$2 \times 6 \times 30m \times 0.60m \times 0.60m$

$= 129.60m^3$

$362.70m^3$

$362.70m^3$

24
19/02/25
J.E

Continuation

work has been completed as per Specification of drawing

24
19/02/25
J.E

Abstract of Cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) cleaning and grubbing road land — cut cost only					
at value in this P.M.B					
P.M.B (1) item no (1) =					
0.168 Hect @ 76926.08/1/2 = 12924 =					
(2) Const. of Subgrade and B/Shoulder = —					
— — — — — cut cost only					
at value in this P.M.B					
P.M.B (12) item no (2) = 360 — — — — —					
(2) 264.72/m ³ — 296014 =					
(3) Const. of granular sub-base by spreading well graded material					
— — — — — cut cost only					
at value in this P.M.B					
P.M.B (3) item no (3) = 22.50m ³					
(2) 2747.30/m ³ — 61814 =					
(4) W.O.M-3					
P.V. Basing spreading and compacting the aggregate of specific size + 0.075m					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
W.B.M. - as per comp. spec.					
old road in this M.S.					
P. no (2) item no (3) =					
$25.31 \text{ m}^3 @ 5499.12/\text{m}^3$					139183 =
(5) P/r and apply mg					
thick coat with bitumen					
emulsion - as per spec					
old road in this M.S.					
P. no (3) item no (4) =					
$= 20.45 \text{ m}^2 @ 5 \text{ m}^2$					
$@ 18.95/\text{m}^2$					38757 =
(6) P/r and laying (S.D					
-BC) semi dense bitum					
-ious concrete with					
100-120+PH batch					
type - as per spec					
old road in this M.S.					
P. no (9) item no (7) =					
$51.14 \text{ m}^3 @ 13099.92/\text{m}^3$					669881 =
(7) Const. of dry lean					
concrete sub base over					
on prepared subgrade					
- as per spec					
old road in this M.S. P. no (5)					
item no (4) = $8.44 \text{ m}^3 @ 5097.97/\text{m}^3$					43027 =

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(8) concrete unreinforced concrete pavement thickness as per design — — — — — at side in this P.S					
(9) Item no (5) = 142.04 m ³					
(2) 8601.79/m ³ — — — — —					1221766
(9) P.V km and 200 m Side					
at side in this P.S					
(9) Item no (8) P.V km Side — — — — —					
(2) 887.54/each — — — — —					57752
(11) 200 m Side — — — — —					4 no
(2) 806.21/each — — — — —					3225 =
10) 200 m and 200 m identification signs with Size more than 0.9 m ² — — — — — at side in this P.S					
P.no (9) Item no (9)					
= 1.92 m ²					
(2) 15049.24/m ² — — — — —					28895 =
1) P.V and driving at 200 m resignated traffic					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Engg. consultancy, rendering and information given					
— — — — —					
Est vide in chis m.s					
P.no (10) item no (10)					
② 600 mm Δ — 8 no					
② 4604.60/each — 3683.17					
(11) 600 mm ○ — 6 no					
② 6040.03/each — 36241.7					
(11) 600 mm x 450 mm — 1 no					
② 5853.15/each — 23573.2					
(10) Thermoplastic Paint					
3 m ²					
② 829.24/m ² — 2488.2					
(v) Road Strike — 10 no					
② 294.67/each — 2947.2					
(12) P.V Boundary Pillar					
R.C.C 1015 Grad — 4					
Cont. 203					
Est vide in chis m.s 9 no					
(10) item no (11) — 24 no					
② 788.92/each — 18934.2					
(13) Providing and laying					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
on hot applied thermoplastic compound 2-5 mm thick - on concrete					
Get value in this m/s P.no					
(10) and (11) i.e. no (13)					
(1) EC portion					
Qty - 60 m ²					
@ 948.66/m ²					56920
(11) BT portion					
184 m ² @ 829.21/m ²					152572
(14) P.u. and drying of concrete					89555
or secondary 87m band					
- on concrete 20%					
Get value in this m/s					
P.no (11) i.e. no (14)					
± 370					
@ 11567.72/each					34703
(15) Planting of trees by the road side					
in 0.60m dia. holes					
- on concrete					
Get value in this m/s					
P.no (10) i.e. no (12)					
2270 @ 1305.10/each					28712

Continuation

Continuation

Scanned with CamScanner

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					3217451 =
					3187008 =
below 0.08%					3217 =
at the same					3187 =
					3183821 =
					3214234 =

2k					
19/2/25					
J.E.					

Material Statement

E/cum - 362.20 m³W.C.B - 22.50 m³W.R. 15 - 25.31 m³D.C - 8.44 m³P.C.C - 142.04 m³S.D.B.C - 51.14 m³Track road - 2045.25 m²(i) E/cum - 362.20 m³@ 31.25/m³ - 10% - 1279 =(ii) 26.05 m³ - 9.45 m³ 852 =@ 901.46 m³ - 10% - 2394 =(iii) 9.5 m³ - 6.75 m³

@ 429.57 - 10 - 290

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2.36 mm bedu -			10.80 m ²		
@ 144.75/m ²					156
8.33 53 mm do 22.4					
@ 1100.04/m ²					3281
11.2 mm -			30.625 m ²		
@ 429.97/m ²					2612
f. con					
20 mm -			51.134 m ²		
@ 577.80/m ²					30432
20 mm @ 1207.76/m ²					
76.702 m ² @ 1207.76/m ²					92642
Scand -			63.918 m ²		
@ 577.80/m ²					36932
S. C.C					
Scand -			3.298 m ²		
@ 577.80/m ²					192
stone pgs -			7.59 m ²		
@ 901.46/m ²					6852
20 B.C					
Bitumen -			6.137 m ²		
white bitum -			430 kg		
9.5 - 4.25 mm -					
12.604 m ² @ 595.16/m ²					25362
4.75 sand bar -			30.645 m ²		
@ 429.97/m ²					13182

Continuation

269722

Continuation