

Schedule XLV-Form No. 134

Udakisheinganj DIVISION

Alamnagar SUB-DIVISION

MEASUREMENT BOOK

Certified that this M.B.
contains 01 to 100 pages
and issued to Sri
Tyant Kumar (A.E) P.W.D.
works sub division
Alamnagar.

12/6/21
उत्तर प्रदेश अधिमंडल
ग्रामीण कार्य विभाग
कार्य प्रमंडल, उदाकिशुनगर

Sch. XLV - Form No. 134

Udakishunganj DIVISION
Alamnagar SUB-DIVISION

Measurement Book

No. 893

Name of officer Tyant Kumar (A.E)

Date of first entry _____

Date of last entry _____

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.	
✓ Record Entry.					
N/A - Construction of Road from PWD Path Badheung To Taping Tola under MMGRS					
Agency - Chandan Singh Nayanagar Tola, Chhappatti Udakishungam					
Ag. No - 35 SD D of 2021-22					
D.O. Start - 05/04/21					
D.O. Comp - 04/04/22					
① setting out pillars and Bench Mark - self					
① - Bench Mark - 01 No					
② Reference pillars - 3.00 Nos.					
② clearing and grubbing road and - self					
$2 \times 26 \times 30.00 \times 3.50 =$					5460.00 m^2
$2 \times 25.00 \times 3.50 =$					175.00 m^2
					5635.00 m^2

Continuation

$\approx 0.56 \text{ Hectare}$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
③ E/W in excavation for structure -- self					
Home Pipe cut out - 2MM					
H.W -					
$2 \times 2 \times 6.450 \times 1.400 \times 1.500 =$					$54.18 M^3$
B/Pipe -					
$2 \times 1 \times 4.850 \times 1.530 \times 0.365 =$					$5.41 M^3$
					$59.59 M^3$
④ Prov. Dec M/s in levelling course - self					

H.W -					
$2 \times 2 \times 6.450 \times 1.400 \times 0.150 =$					$5.418 M^3$
B/Pipe -					
$2 \times 1 \times 4.931 \times 1.530 \times 0.250 =$					$3.772 M^3$
					$9.19 M^3$
$2 \times 1 \times 9.170 \times 0.400 =$					$7.336 M^3$

⑤ Prov. Dec M/s in substructure - self					
H.W -					
$2 \times 2 \times 6.150 \times 0.825 \times 3.180 =$					$64.538 M^3$
Damp cut -					
$2 \times 2 \times 6.150 \times 0.600 \times 0.600 =$					$5.904 M^3$
less for pipe -					
$2 \times 2 \times 0.7857 \times 1.23 \times 0.622 =$					$2.957 M^3$

Continuation

67.485

= 67.48 M³

05/12/21
JE

05/12/21
AB

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Prov. Rectangular pipe for culverts - E/W					
2x3x2.50 = 15.00 RM					
⑦ painting on parapet wall - each					
2x2x6.150x0.400 = 9.840 M ²					
2x4x6.150x0.600 = 29.52 M ²					
2x4x0.400x0.600 = 1.92 M ²					
					41.28 M ²
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
⑧ E/W calculation sheets for const of embankment as per enclosed - each					
CHN) Fill Area	Mean Area	Dist.	Fill Volume		
0-00	3.352				
50-00	3.626	3.488	50-00		174.400
100-00	3.986	3.805	50-00		190.250
150-00	3.425	3.706	50-00		185.275
200-00	2.236	2.831	50-00		141.525
250-00	2.328	2.282	50-00		114.100
300-00	2.428	2.378	50-00		118.900
350-00	4.128	3.278	50-00		163.900
400-00	3.569	3.849	50-00		192.425
450-00	3.549	3.559	50-00		177.950

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
550.00	4.956	4.753	50.00	212.625	
550.00	5.016	5.086	50.00	254.300	
600.00	4.275	4.746	50.00	237.275	
650.00	5.874	5.075	50.00	253.725	
700.00	5.106	5.470	50.00	274.500	
750.00	5.554	5.330	50.00	266.500	
805.00	5.742	5.648	55.00	310.640	
including crust —					3268.29 m ³
Less Subgrade (-)					763.98 m ³
" G.S.B (VTMP-A) (-)					289.17 m ³
" W.B.M - Page-6 (-)					100.606 m ³
" G.S.B. — Page-7 (-)					49.050 m ³
" W.B.M - Page-7 (-)					100.61 m ³
" C.C. Pavement Page-8 (-)					198.90 m ³
" Earthen Shoulder - Page-9 (-)					363.96 m ³
" Brick Siding - Page-9 (-)					28.125 m ³
					1374.289 m ³
Limit +0 =					1350.00 m ³
(2) Lead upto 100 m —					
1350.00 × 389.94					
1383.83					
=					359.74 m ³
(2) Lead upto 1000 m					
1300.00 × 100.89					
1383.83					
=					940.26 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(9) proc & fixing logo of project (M.M.B.S.Y.) as per M.O.R.D specifications : — — — — —					
4.00 NOS.					
(10) Excavation for road way cutting (Box cutting) — — — — —					
of rigid Pavement —					
$2 \times 13 \times 25 \cdot 0 \times 0 \cdot 375 \times 0 \cdot 100 = 24 \cdot 375 \text{ m}^3$					
of side of rigid Pavement —					
$2 \times 5 \times 25 \cdot 0 \times 0 \cdot 375 \times 0 \cdot 175 = 16 \cdot 406 \text{ m}^3$					
					$40 \cdot 78 \text{ m}^3$
(11) Const of embankment with materials obtained from road way cutting (Box) — — — — —					
60% of Item No. (10)					
$= 24 \cdot 468 \text{ m}^3$					
(12) Const of sub grade with approved materials — — — — —					
$14 \times 25 \cdot 0 \times 7 \cdot 276 (\text{Avg}) \times 0 \cdot 300 = 763 \cdot 98 \text{ m}^3$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) construction of G.S.B. grid materials -					
14 x 25.00 x 0.405 x 0.200					283.50 M ³
Add 2% extra on curve					5.67 M ³
=					289.17 M ³
25/12/21					
25/12/21					

(14)					
const of W.B.M. Grid materials & field					
14 x 25.00 x 0.405 x 0.075					98.438 M ³
2% extra on curve -					1.969 M ³
					100.406 M ³
25/12/21					
25/12/21					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(15) Const. of GSB gr-d materials - self in widening -					
					$2 \times 13 \times 25.00 \times 0.375 \times 0.100 = 24.38 \text{ m}^3$
GSB in pcc widening -					
					$2 \times 5 \times 25.00 \times 0.375 \times 0.100 = 9.375 \text{ m}^3$
15% for pothole correction					
					$15\% \times 13 \times 25.00 \times 3.00 \times 0.100 = 14.625$
2% extra widening -					0.68 m^3
					49.06 m^3
limit =					49.05 m^3

~~18/01/22~~
56

~~18/01/22~~
AB

(16) Const. of concrete gr-d materials - self					
					$13 \times 25 \times 3.75 \times 0.075 = 91.41 \text{ m}^3$
widening -					
					$2 \times 5 \times 25.00 \times 0.375 \times 0.075 = 7.03$
extra widening -					1.97 m^3
					100.41 m^3

~~05/02/22~~
56

~~05/02/22~~
AB

Continuation

(18) Door prime coat (RS.)
-- - - - -
 $14 \times 25.00 \times 3.75 = 1312.50 M^2$
Add extra width $26.25 M^2$
~~17/03/22~~ $1338.75 M^2$
~~17/03/22~~ AB

(19) Door & laying tack
coat (RS.) - - - -
 $14 \times 25.00 \times 3.75 = 1312.50 M^2$
extra wide 26.25
 $1338.75 M^2$

(20) Door & laying M.S. primer
-- - - -
 $14 \times 25.00 \times 3.75 = 1312.50 M^2$
extra wide $26.25 M^2$
~~18/03/22~~ $1338.75 M^2$
~~18/03/22~~ AB

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(21) Construction of earthen shoulder in flanks - e/d at portion -					
$4 \times 14 \times 25.00 \times 1.132 + 1.388 \times 0.075 + 0.200$					
			2	2	
			2		
= 250.90 m					
ce portion					
$6 \times 5 \times 30.00 \times 0.375 \times 1.61 + 0.075 + 0.100$					
= 113.06 m ³					
(16) 363.96 m ³					

24/03/22	SE	24/03/22	SE		
(22) Prov 2 layers brick selling - e/d					
$2 \times 450.00 \times 0.250 = 225.00 m^2$					
23. Prov brick Rec M/L					
K-M Stone - e/d					
(A) Ordinary K-M Stone					
2 Nos					
(B) 200m Stone - 4 Nos					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
24) Prov Rect MIS Boundary Pillars --- 15 16.00 Nos					
25) Prov. & brn of retro-reflection board --- 15					
26) 600mm Δ 4 Nos					
27) 800 x 600mm $\square$ 2 Nos					

28) 600 x 450mm $\square$
4 Nos

29) 900mm octagonal
2 Nos

26) Road Marking with
hot applied --- 15 (BT)
 $2 \times 3.50 \text{ m} \times 0.100 = 70.00 \text{ m}^2$

27) Road Marking with
--- 15

$2 \times 15 \times 30 \text{ m} \times 0.100 = 90.00 \text{ m}^2$

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>ABSTRACT OF COST</u>					
(1) Setting out the work with reference and B/M Pillars - - - E/P					
V.M.B.P. - 01					
(i) Benchmark Pillars -					
01 Nos @ 4048.59/each - Rs					4048.59
(ii) Reference Pillars -					
03 Nos @ 1842.47/each - Rs					5527.41
(2) Clearing and grubbing road land - - - E/P					
V.M.B.P. 01 qty 0.56 Hect					
@ Rs 51133.76/Hect - Rs					28634.90
(3) E/P in Excavation for foundation of Structure - - - E/P					
23 V.M.B.P. 02 qty 59.59 m ³					
@ Rs 269.32/m ³ - Rs					16048.77
(4) Prov. P.C.C M-15 in Levelling Course - - - E/P					
24 V.M.B.P. 03 qty 9.19 m ²					
@ Rs 5149.47/m ² - Rs					47323.62
(5) Prov. P.C.C M-20 in Substructure - - - E/P					
25 V.M.B.P. 02 qty 67.48 m ³					
@ Rs 5952.37/m ³ - Rs					401665.92
Continuation					503249.21

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Providing RCC WP-3					
25 pipe for Culvert --					
- - - E/P					
VTMBP-3 qty 15.00 m					
@ Rs 4017 = 57/Rm — Rs 60262 = 65					
⑦ Painting on parapet					
27 wall on CD. - - - E/P					
VTMBP-3 qty 41.28 m ²					
@ Rs 95 = 19/uf — Rs 4012 = 50					
⑧ Const. of Embankment					
526 with approved material					
obtained from borrow					
bits - - - E/P					
(i) Lead upto - 100 m					
VTMBP-4 qty 359.74 m ³					
@ Rs 131 = 03/uf ³ — Rs 47136 = 73					
(ii) Lead upto - 1000 m					
VTMBP-4 qty 940.26 m ³					
@ Rs 174.94/uf ³ — Rs 164489 = 08					
⑨ Prov. & fixing MMSY					
16 information signs					
board - - - E/P					
VTMBP-5 qty 4.00 Nos					
@ Rs 9936 = 94/each					
— Rs 37347 = 76					

816496 = 70

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑨ Excavation for road					
3 Way Cutting (Box Culvert)					

VTMAP-5 qty 40.78 m ³					
@ Rs 74 = 16/4 ³					Rs 3024 = 24
⑩ Const. of Embankment					
4 with approved material					
deposited at site from					
road ways					---
VTMAP-5 qty 24.468 m ³					
@ Rs 26 = 11/4 ³					Rs 638 = 85

⑪ Const. of subgrade					
7 and earthen shoulders					
with approved material					

VTMAP-5, 7 qty 789.98 + 363.96 m ³					
1127.94 @ Rs 176.54/m ³					Rs 199171 = 64
⑫ Const. of G.S.B for					
8 gr-I material					

VTMAP-6, 7 qty 289.17 + 49.05 m ³					
338.22 @ 2729.14/4 ³					Rs 923049 = 73
⑬ Prov. laying spreading					
9 WBM-17 material					---

VTMAP-6, 7 qty 100.406 + 100.401					
200.816 m ³ @ 3802.66/4 ³					Rs 763574 = 48
Continuation					
					2705895 = 64

2705895=64

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Construction of Cement 19 Concrete Pavement M 90 - - - - - @ 11					
Q.M.B.P. 8	94	198.90 m ²			
@ Rs 6702 = 94/m ² -					Rs 1333214 = 76
(15) Prov. and applying 10 Prime Coat (SS-1) - - - - - @ 12					
Q.M.B.P. 8	94	1338.75 m ²			
@ Rs 44 = 76/m ² -					Rs 59922 = 45
(16) Prov. and applying 11 Tack Coat (RS-1) - - - - - @ 12					
Q.M.B.P. 8	94	1338.75 m ²			
@ Rs 15 = 22/m ² -					Rs 20375 = 77
(17) Prov. Laying and rolling 12 Mix Seal Surface Type B - - - - - @ 19					
Q.M.B.P. 8	94	1338.75 m ²			
@ Rs 213 = 81/m ² -					Rs 285167 = 13
(18) Laying brick setting 14 with end edging - - - - - - - @ 12					
Q.M.B.P. 9	84	225.50 m ²			
@ Rs 543.78/m ² -					Rs 122350 = 50
					4528928 = 25

Continuation

1526926=25

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19) Prov. & Dining Rm	15	14.00	1.00		
km stone - Epe					
(20) Ordinary km stone					
VMBP-9 Qty 2.00 Nos					
@ Rs 2115.88/ea - Rs					4231.76
(22) 200 m Stone					
VMBP-9 Qty 4.00 Nos					
@ Rs 574.83/ea - Rs					2299.32
(20) Prov. & Dining Rm	18	14.50	1.00		
MIS Boundary Poles					
- - - - Epe					
VMBP-10 Qty 16.00 Nos					
@ Rs 473.78/ea - Rs					7580.48
(20) Prov. & Dining of retro-					
19 reflectorised board					
- - - - Epe					
VMBP-10					
(9) 600 mm Δ					
4 Nos @ Rs 3723.75/ea - Rs					14895.00
(16) 800 X 600 mm □					
2 Nos @ Rs 6968.64/ea - Rs					13937.28
(10) 600 X 450 mm □					
4 Nos @ Rs 4865.47/ea - Rs					19461.88
(11) 900 mm Octagone					
2 Nos @ Rs 8891.53/ea - Rs					17783.06
					46071.05 = 03

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(22) Road marking with 20 Not applied - -					
- - - - - Bp BT					
VmBP-10 Qty 70.00 m ²					
@ Rs 735.44/ut - Rs 51480 = 80					
(23) Road marking with 21 Not applied - -					
- - - - - Bp C.C					
VmBP-10 Qty 90.00 m ²					
@ Rs 821.29/ut - Rs 73916 = 10					
(24) Planting of trees by the road side					
- - - - - Bp 2					
VmBP-11 Qty 35.50 Nos					
@ Rs 815.26/each - Rs 28941 = 73					
					4761443 = 66
Add G.S.T @ 12% - Rs 571373 = 23					
Add L. Cess @ 1% - Rs 47614 = 44					
					5380431 = 33
Less Bellow @ 5.75% - Rs 309374 = 80					
					5071056 = 53
Rs 19/05					
Rs 19/05					
CSP					
23.5.21					
EE					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material statement.					
E/W —					2428.00 m ³
C. Sand —					246.00 m ³
Stone Agr —					773.00 m ³
SS ₁ —					1138.15 kg = 8.00 Grams
RS ₁ —					368.225 kg = 2.0 Grams
S ₂₀ —					2544.00 kg = 16.0 Grams
SS₂					
19/08/22					
SE					