

MMNS
S.C.

House of Kamlesh Yadav
To Toe R.C.D. Road
Shedule XLV Form No. 134.

कार्यपालक अभियन्ता, ग्रामीण कार्य विभाग DIVISION
दाऊदनगर
सहायक अभियन्ता, ग्रामीण कार्य विभाग SUB-DIVISION
हसडरा

Measurement Book

701

संकेत → निर्माण समय

1st on A/C Bill

1

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 measurements relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work - Const. of road from house of Kamalash Yadav to To2					
RCD road under MMGSY					
Agency - Nirman Developers.					
Agreement No. 73 MMGSY (21-22)					
Date of commencement - 2-3-2021					
Date of completion - 1-3-2022					
Date of entry - 20-3-21					

ew calculation chart					
Ch.	Dist.	Fill Area	Fill	Vol.	
0	-	4.533	-		
50	50	4.615	228	690	
100	50	4.425	225	990	
150	50	4.941	234	140	
200	50	4.582	238	1080	
250	50	4.769	233	780	
300	50	4.978	243	680	
350	50	4.975	248	820	
400	50	4.747	243	050	
450	50	5.022	244	230	
500	50	5.012	250	860	
550	50	5.120	253	320	
600	50	5.308	260	700	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
CH:	Dist	Fill	Area	Fill	Vol.
650	50	4.791	252.480		
700	50	5.123	247.850		
750	50	5.035	253.930		
800	50	4.136	229.260		
850	50	4.359	212.370		
900	50	4.842	230.010		
950	50	4.860	242.540		
1000	50	4.156	225.420		
1050	50	4.075	205.780		
1095	45	4.648	196.270		
(i) with 1000 m lead					
CH: 0 to 950					

less.				3646.880 m ³
(i) GSB	594.860			
WBM	206.550			
subgrade	2098.960			
	2900.370 (-)			2900.370
				746.51 m ³

(ii) with 1000 m lead				
ch: 950 to 1095 m.				1554.370 m ³

less GSB				
+ WBM	155.600			
PCC	229.500			
hard shoulder	23.438			
subgrade	94.220			
	502.758			502.758
				1051.612

Continuation 304 - 1051.61 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) setting out pillars					
(i) Bench mark pillars	2				Nos.
(ii) Reference pillars	4				Nos.
(3) Clearing & grubbing					
$2 \times 1095 \text{ m} \times 3.50 \text{ m} = 0.77 \text{ Ha.}$					
(4) Box cutting					
$2 \times 175 \text{ m} \times 0.50 \text{ m} \times 0.100 \text{ m} = 17.50$					
$2 \times 100 \text{ m} \times 0.375 \text{ m} \times 0.175 \text{ m} = 13.13$					
					30.63 m ²
(5) Const. of embankment with material from road way cutting					
$30.63 \times 60 / 100 = 18.378 \text{ m}^2$					
(6) Const. of sub grade					
$720 \text{ m} \times 7.276 \text{ m} \times 0.300 \text{ m} = 1571.62$					
(i) with 1000m lead 30% =					471.49 m ³
(ii) with 100m lead 70% =					1100.13 m ³
(7) Dismantling of pcc					
$2 \times 3.50 \text{ m} \times 1.14 \text{ m} \times 0.15 \text{ m} = 0.60120$					m ³
(ii) Dismantling of B/W.					
$2 \times 2 \times 4.2 \text{ m} \times 0.825 \text{ m} \times 2.50 \text{ m} = 34.66$					m ³
(iii) Remaining H.P. 600mm dia -					15.00 m
(8) Providing & laying 300mm dia H.P. for migration - 40 m.					
Sharma 20.3.21 JE Work done checked Sharma 22/01/21 Arc					

m No. 134

Details of actual measurement					Contents of area
No.	L.	B.	D.		
Date of measurement - 22-3-21					
1x600mm dia H.P. culvert					
① Below in excavation in final.					
2x3.90m	1.150m	1.50m			13.455 m ²
1x5.35m	0.365m	0.365m			2.207
					15.66 m ²
② Bonding PCC mislevelling course					
2x3.90m	1.150m	0.150m			1.3455
1x5.311m	1.13m	0.25m			1.50
					2.85 m ²
③ Bonding PCC in 20 m sub-str.					

2x3.60m	0.70m	2.78m			14.011
2x3.60m	0.40m	0.60m			1.728
Less 2x0.7857 x (0.83) x 0.53 = (-) 0.574					
					15.17 m ²

④ Bonding & Laying NP3
600mm dia H.P. - 7.50m

⑤ Painting on parapet.					
2x3.60m	0.40m				2.88 m ²
4x3.60m	0.60m				8.64
4x0.40m	0.60m				0.96
					12.48 m ²

Sharma
22.3.21
JE

Sharma
22/3/21
AA

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement = 25.3.21					
1x 1000 mm dia H.P. culvert.					
① 6/10 in excavation in final.					
		2x 6.45 m	1.40 m	1.50 m	27.090
		1x 4.85 m	1.53 m	0.365 m	2.708
					29.800 m ³
② Boulding PCC m/s in leveling					
course in final.					
		2x 6.45 m	1.40 m	0.15 m	2.709
		1x 4.931 m	1.53 m	0.25 m	1.886
					4.600 m ³
③ Boulding PCC m 20 m					
Sub- str ---					
		2x 6.15 m	0.825 m	3.18 m	32.269 m ³
		2x 6.15 m	0.40 m	0.60 m	2.952
		2x 0.7857	$\times (1.23)^2$	$\times 0.622$	$= (F) 1.478$
					33.74 m ³
④ Boulding & Laying NP 1000 mm dia					
		H.P.		7.50 m	
⑤ Painting on parapet.					
		2x 6.15 m	0.40 m		4.92 m ²
		1x 6.15 m	0.60 m		14.76
		1x 0.40 m	0.60 m		0.96
					20.64 m ²
@ 800 mm² 25.3.21 JTE 28/3/21 AR					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of measurement = 30.3.21					
① Boulding G.B. gr. I... all complete.					
4x25m x 4.05m x 0.200m =					81.00 m
4x25m x 4.05m x 0.200m =					81.00
4x25m x 4.05m x 0.200m =					81.00
4x25m x 4.05m x 0.200m =					81.00
4x25m x 4.05m x 0.200m =					81.00
4x25m x 4.05m x 0.200m =					81.00
4x25m x 4.05m x 0.200m =					81.00
1x20m x 4.05m x 0.200m =					16.20
widening 4x25m x 3.75m x 0.100m =					37.50
2x2x25m x 0.50m x 0.100m =					5.00
2x5x25m x 0.50m x 0.100m =					12.50
2x4x25m x 0.375m x 0.100m =					7.50
leveling 30m x 2.75m x 0.100m =					8.25
					653.95
Shoma					
30.3.21 JE					

Continuation

ABSTRACT OF COST

9

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① setting out					
② Bench mark pillars					
2 Nos. P-3					
@ 3660=52 each - ₹					7,321=00
③ Reference pillars					
4 Nos. P-3					
@ 1673=03 each - ₹					6,692=00
④ Clearing & grubbing					
0.77 Ha P-3					
@ 52966=72 / Ha - ₹					40,784=00
⑤ Soil cutting					
30.63 m ³ P-3					
@ 74=23/m ³ - ₹					2274=00
⑥ Const. of embankment with roadway cutting...					
18.378 m ³ P-3					
@ 26=17/m ³ - ₹					481=00
⑦ Const. of embankment with 100 m lead.					
746.51 m ³ P-2					
@ 142=26/m ³ - ₹					106,198=00
⑧ Const. of embankment with 1000 m lead.					
1051.61 m ³ P-2					
@ 187=92/m ³ - ₹					197,618=00

Continuation

361,368=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ Const. of sub-grade with 1000 m lead.					
471.49 m ³ P-3					
@ 189 = 56/m ³ - ₹					89,376=00
⑧ Const. of sub-grade with 100 m lead.					
1100.13 m ³ P-3					
@ 154 = 23/m ³ - ₹					169,739=00
⑨ Providing G.S.B. gr-I					
653.95 m ³ P-6					
@ 2252 = 48/m ³ - ₹					1473009=00
⑩ Providing W.B.M. gr-III					
257.343 m ³ P-7					
@ 2752 = 48/m ³ - ₹					7,08,331=00
⑪ E/W in excavation in fund.					
15.66 m ³ P-4					
29.80 " P-5					
45.46 " "					
@ 279 = 09/m ³ - ₹					12,687=00
⑫ Paving P.C.C. M15 in fund					
2.85 m ³ P-4					
4.60 " P-5					
7.45 " "					
@ 4572 = 24/m ³ - ₹					34063=00

Continuation

28,48,573=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13/26) Providing PCC m ² misc- str.					
15.17 m ² P-4					
33.74 " P-5					
48.91 "					
@ 5275=52/32 258,025=00					
(14/27) Painting parapet					
12.48 m ² P-4					
20.64 " P-5					
33.12 "					
@ 100=76/m ² 3 3337=00					
(15/28) Providing & laying					
NP 3 1000mm dia. H.P.					
7.50 m P-5					
@ 3960=69/m ² 29,705=00					
(16/29) Providing & laying					
NP 3 600mm dia H.P.					
7.50 m P-4					
@ 2160=67/m ² 16,205=00					
(17/30) Providing & laying					
300mm dia H.P.					
40 m P-3					
@ 943=34/m ² 37,733=00					
(18/31) Dismantling PCC					
1.20 m ³ P-3					
@ 496=96/m ² 596=00					

Continuation

31,94,174=00

