

221/19-20

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Schedule XLV Form No.-134

BIHAR P.W.D.

Mauwaka Tola to Badalwara Tola

3/2/15

DIVISION

3/2/15

SUB-DIVISION

m/s H1 Teek

Associate

MEASUREMENT BOOK

221/19-20 3/2/15 3/2/15

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(These four lines should be repeated at the commencement of the measurement relating to each work.)

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① R/w of road embankment					
R/w of the for 21 per h/s & c/s					
Calculation given below					
Chainage (m)	-	Mean Area ^{1/2}	Mean Distance (m)		Volume (m ³)
0.0		2.271	-	0.0	-
50.0		3.017	2.644	50.0	132.200
100.0		3.467	3.242	50	162.158
150.0		3.244	3.658	50	182.875
200.0		4.220	4.034	50	201.700
250.0		3.979	4.100	50	204.975
300.0		3.758	3.869	50	193.425
350.0		3.406	3.582	50	179.100
400.0		3.595	3.501	50	175.025
450.0		1.441	2.518	50	125.90
500.0		1.469	1.455	50	72.750
550.0		0.867	1.168	50	58.400
600.0		0.937	0.902	50	45.108
650.0		0.730	0.834	50	41.675
700.0		0.937	0.834	50	41.675
750.0		0.875	0.906	50	45.300
800.0		0.994	0.935	50	46.725
850.0		1.594	1.294	50	64.700
900.0		1.585	1.590	50	79.475
950.0		1.408	1.497	50	74.825
1000.0		1.466	1.437	50	71.850
1070.0		1.549	1.508	70.0	45.225
R/w of the (including sub grade)					2245.00 m ³

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

(i) R/W Δ for 100m lead = $933.50m^3$
 $\Delta = 933.50m^3$

(ii) R/W in road embankment
 Lead = 1000 m
 $\Delta = 400.00m^3$

(iii) R/W Δ for lead 1000 m
 in subgrade etc
 $= [2245.00m^3 - (933.5 + 400.0)]$
 $\Delta = 911.50m^3$

② Clearing & grubbing
 road land etc etc job

8x2	30.0	1.50	—	= 2700.00
2x3	30.0	1.50	—	= 2700.00
2x1	30.0	1.50	—	= 90.00
				<u>3060.00</u>

 $= 0.306 Hect.$

③ Construction of kerb bench
 & reference Peller etc etc job
 $\Delta = 1.030 km$

④ Construction of Reference
 Peller etc etc job $\Delta = 1.030 km$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Excavation for road					
Wage in soil using manual					
means etc do - do job					
For widening 2x8 parting	30.0	0.50	0.10		$= 24.0m^3$
" 2x1	20.0	0.50	0.10		$= 2.0m^3$
" 2x10	30.0	0.375	0.10		$= 22.50$
" 2x4	30.0	0.375	0.10		$= 9.0$
" 2x1	10.0	0.375	0.10		$= 0.75$
					<u>$Q/t = 58.25m^3$</u>

⑥ Construction of granular sub
base by providing well graded
material etc do - do is

For profile correction ÷					
	4	3.50	1.20	0.10	$= 1.68m^3$
	10	2.10	0.90	0.075	$= 1.4271$
	4	2.80	1.10	0.15	$= 1.85$
both edge	2x5	7.0	0.90	0.15	$= 9.45$
For widening	2x15	30.0	0.525	0.10	$= 47.25m^3$
"	2x10	30.0	0.525	0.10	$= 22.05$
"	2x10	30.0	0.375	0.10	$= 22.50$
	15	30.0	4.05	0.10	$= 182.25$
"	11	30.0	4.05	0.10	$= 121.5$
"	12	30.0	3.75	0.10	$= 135.0$
	4	30.0x3.95+3.85		0.10	$= 46.80$
					$Q/t = 482.40m^3$

⑦ P/W F/F-300mm N.P.
Heave Refe etc do - do

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2x3	2.50	-	-	= 15.0m Ats = 15.0m

(2) P/R 2 F/E MM & 1/2 sign board
and logo of MMGSY project
etc etc - etc - all - etc
Ats = 0.2 Nos

mmgsy
A.B. 01/06/2021
A. IL

Item A/C Bill ABSTRACT OF COST

(+) Construction of Reference
filler etc etc - etc all jobs
Ats wide TMBP - 4
1.03 km @ Rs. 9879 = 75/km Rs. 10176 = 00

(2/2) Construction of Reference
filler etc etc - etc jobs
Ats wide TMBP - 04
1.03 km @ Rs. 9686 = 75/km Rs. 9977 = 00

(3/3) cleaning and grading
road level etc etc etc
Ats wide TMBP - 04

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
0.306 ha at @ R 5133 = 76/ha at R 15647 = 00					
(4/4) Construction of embankment with a d. 1000 m at etc etc all complete - sub base 8/15					
At 1/2 wide TMBP - 4					
4 001.0 m ³ @ R 202 = 52/m ³ R 81008 = 00					
(5/5) Construction of subgrade between shoulders at etc etc - all complete - sub					
At 1/2 as per TMBP - 04					
911.50 m ³ @ R 204 = 16/m ³ R 186092 = 00					
(6/6) Construction of embankment with a d. 1000 m at etc etc - all complete - sub					
At 1/2 wide TMBP - 04					
933.50 m ³ @ R 167 = 41/m ³ R 156277 = 00					
(7/7) Excavation for road way in soil using manual means etc etc - all complete - sub					
At 1/2 wide TMBP - 5					
52.25 m ³ @ R 74 = 16/m ³ R 4320 = 00					
(8/8) Construction of granular sub base with well graded mat etc etc - all complete - sub					

Continuation

