

346/20-21

अध्यापक हरिहर चौरा, बरौली

Schedule XLV Form No.-134
BIHAR P.W.D.

अध्यापक

DIVISION

अध्यापक

SUB-DIVISION

अध्यापक * अध्यापक Dubey -

+ Day. Kumar Dubey -

MEASUREMENT BOOK

अध्यापक अध्यापक अध्यापक

2nd & upto Deek B.P

Name of work - Rampurwa Harjan
to Keesi
7 to 1000

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Agree - Ajay Kumar Dubey.					
Ag No - 53530/2019-20					
Date of start - 17/12/2020					
17/12/2020 Date of cutto -					
① Cut of road about making					
2nd city calculation given					
below is per 45.4 cts. given					
below is mean					
Change.	Area	45	45	45	Volume (cu)
0	0.846	-	-	-	0.0
50	3.310	2.078	50		103.900
100	3.616	3.458	50		172.900
150	3.547	3.577	50		178.825
200	2.827	2.687	50		121.250
250	3.212	3.520	50		175.985
300	4.005	3.609	50		180.425
350	4.582	4.234	50		214.625
400	4.483	4.533	50		226.625
450	4.156	4.320	50		215.975
500	3.338	3.747	50		187.350
550	3.688	3.513	50		175.650
600	2.947	3.318	50		165.825
650	1.440	2.194	50		109.625
700	1.053	1.247	50		62.325
750	1.125	1.089	54		54.450
795	1.288	1.192	45		55.618
					2462.593
Production Per 2/1000					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$B.F.G = 2462.573$
Less Qty of 4.5% for void, Part 5					$= 338.433$
Less Qty of 51 m/g for void Part 4					$= 224.773$
Less Qty of 1000 cement content for void Part 8					$= 118.033$
Less Qty of m/s sand					
air bet for void Part 7					
					$= 2272.504 - 0.020 = 45.453$
					$\text{Net for } 17.35.510$
					$\text{Unit} = 1731.493$
Qty for 1000 m/s					$= 808.203$
Qty for 1000 m/s					$= 346.373$
Qty of subgrade					$= 576.37 \text{ m}^3$

(2) Bench mark - 0.715 m

(3) Reference Point - 0.295 m

(4) Finding 31 m/g for

$$\begin{aligned}
 & 10 \text{ m} \times 30 \text{ m} \times 3.25 \text{ m} \times 0.025 = 84.375 \text{ m}^3 \\
 & \text{Net } 10 \text{ m} \times 30 \text{ m} \times 3.25 \text{ m} \times 0.025 = 84.375 \text{ m}^3 \\
 & 1102.504 \times 30 \text{ m} \times 3.25 \text{ m} \times 0.025 = 42.187 \text{ m}^3 \\
 & \text{Net } 1 \times 30 \text{ m} \times 3.25 \text{ m} \times 0.025 = 8.437 \text{ m}^3
 \end{aligned}$$

$$\text{Curv } 1 \times 15 \text{ m} \times \frac{4.50 + 5.50 + 4.10}{3} \times 0.025 = 5.40 \text{ m}^3$$

$$\text{Total } Q = 224.77 \text{ m}^3$$

(5) Primer coat

$$10 \text{ m} \times 30 \text{ m} \times 3.25 \text{ m} = 1125.0 \text{ m}^3$$

$$9 \text{ m} \times 30 \text{ m} \times 3.25 \text{ m} = 1012.5 \text{ m}^3$$

$$1 \times 10 \text{ m} \times 3.25 \text{ m} = 37.5 \text{ m}^3$$

$$\text{Curv } 1 \times 15 \text{ m} \times \frac{4.50 + 5.50 + 4.10}{3} = 70.5 \text{ m}^3$$

Continuation

$$1 \times 5.0 \text{ m} \times 5.35 \text{ m} + 5.45 \text{ m} = 27.4 \text{ m}^3$$

$$\text{Total } A = 2272.504$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6) Tree Land					
Area 8 in as 1/2					
(7) = 2272-500					
(8) Mrt + sand carpet					
Area 8 in as 1/2					2272.500
(8) Mrt + sand carpet					
Cement concrete floor					
6 Mrt + 30.00 x 3.50 x 0.10 = 108.00					
1 x 15.00 x 3.50 x 0.10 = 5.25					
3					
Total = 118.03					
(9) Kilometre stone					
(10) ordinary bar - 1 kg					
(11) iron bar - 3 kg					
(12) ordinary bar - 1 kg					
(13) Painting two curbs					
2 x 6.00 x 1.00 = 22.22					
(14) Painting on concrete					
Surface					
2 x 10 x 1.50 x 0.10 = 34.00					
(15) Road Marking					
2 x 10 x 10 x 7.95 x 0.10 = 159.00					
(16) M.M. 24 Steel Bar - 2 kg					
(17) Maintenance Board - 2 kg					
(18) Retro reflective					
1000 kg					
(19) 600 mm circular					4 kg
(20) 600 mm x 450 mm rectangular					2 kg
(21) 600 mm x 450 mm rectangular					2 kg
(22) 600 mm x 450 mm rectangular					2 kg
(23) 600 mm x 450 mm rectangular					2 kg
(24) 600 mm x 450 mm rectangular					2 kg
(25) 600 mm x 450 mm rectangular					2 kg
(26) 600 mm x 450 mm rectangular					2 kg
(27) 600 mm x 450 mm rectangular					2 kg
(28) 600 mm x 450 mm rectangular					2 kg
(29) 600 mm x 450 mm rectangular					2 kg
(30) 600 mm x 450 mm rectangular					2 kg
(31) 600 mm x 450 mm rectangular					2 kg
(32) 600 mm x 450 mm rectangular					2 kg
(33) 600 mm x 450 mm rectangular					2 kg
(34) 600 mm x 450 mm rectangular					2 kg
(35) 600 mm x 450 mm rectangular					2 kg
(36) 600 mm x 450 mm rectangular					2 kg
(37) 600 mm x 450 mm rectangular					2 kg
(38) 600 mm x 450 mm rectangular					2 kg
(39) 600 mm x 450 mm rectangular					2 kg
(40) 600 mm x 450 mm rectangular					2 kg
(41) 600 mm x 450 mm rectangular					2 kg
(42) 600 mm x 450 mm rectangular					2 kg
(43) 600 mm x 450 mm rectangular					2 kg
(44) 600 mm x 450 mm rectangular					2 kg
(45) 600 mm x 450 mm rectangular					2 kg
(46) 600 mm x 450 mm rectangular					2 kg
(47) 600 mm x 450 mm rectangular					2 kg
(48) 600 mm x 450 mm rectangular					2 kg
(49) 600 mm x 450 mm rectangular					2 kg
(50) 600 mm x 450 mm rectangular					2 kg
(51) 600 mm x 450 mm rectangular					2 kg
(52) 600 mm x 450 mm rectangular					2 kg
(53) 600 mm x 450 mm rectangular					2 kg
(54) 600 mm x 450 mm rectangular					2 kg
(55) 600 mm x 450 mm rectangular					2 kg
(56) 600 mm x 450 mm rectangular					2 kg
(57) 600 mm x 450 mm rectangular					2 kg
(58) 600 mm x 450 mm rectangular					2 kg
(59) 600 mm x 450 mm rectangular					2 kg
(60) 600 mm x 450 mm rectangular					2 kg
(61) 600 mm x 450 mm rectangular					2 kg
(62) 600 mm x 450 mm rectangular					2 kg
(63) 600 mm x 450 mm rectangular					2 kg
(64) 600 mm x 450 mm rectangular					2 kg
(65) 600 mm x 450 mm rectangular					2 kg
(66) 600 mm x 450 mm rectangular					2 kg
(67) 600 mm x 450 mm rectangular					2 kg
(68) 600 mm x 450 mm rectangular					2 kg
(69) 600 mm x 450 mm rectangular					2 kg
(70) 600 mm x 450 mm rectangular					2 kg
(71) 600 mm x 450 mm rectangular					2 kg
(72) 600 mm x 450 mm rectangular					2 kg
(73) 600 mm x 450 mm rectangular					2 kg
(74) 600 mm x 450 mm rectangular					2 kg
(75) 600 mm x 450 mm rectangular					2 kg
(76) 600 mm x 450 mm rectangular					2 kg
(77) 600 mm x 450 mm rectangular					2 kg
(78) 600 mm x 450 mm rectangular					2 kg
(79) 600 mm x 450 mm rectangular					2 kg
(80) 600 mm x 450 mm rectangular					2 kg
(81) 600 mm x 450 mm rectangular					2 kg
(82) 600 mm x 450 mm rectangular					2 kg
(83) 600 mm x 450 mm rectangular					2 kg
(84) 600 mm x 450 mm rectangular					2 kg
(85) 600 mm x 450 mm rectangular					2 kg
(86) 600 mm x 450 mm rectangular					2 kg
(87) 600 mm x 450 mm rectangular					2 kg
(88) 600 mm x 450 mm rectangular					2 kg
(89) 600 mm x 450 mm rectangular					2 kg
(90) 600 mm x 450 mm rectangular					2 kg
(91) 600 mm x 450 mm rectangular					2 kg
(92) 600 mm x 450 mm rectangular					2 kg
(93) 600 mm x 450 mm rectangular					2 kg
(94) 600 mm x 450 mm rectangular					2 kg
(95) 600 mm x 450 mm rectangular					2 kg
(96) 600 mm x 450 mm rectangular					2 kg
(97) 600 mm x 450 mm rectangular					2 kg
(98) 600 mm x 450 mm rectangular					2 kg
(99) 600 mm x 450 mm rectangular					2 kg
(100) 600 mm x 450 mm rectangular					2 kg

Continuation = 15.00

Plantation of tree = 60 kg

Capt of 2nd Bdy Culivert
Span 1.0m x 1.0m

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Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
① E/W in actual in fact						
Raft	1	2.6m	1.5m	0.25m	1.414m	
Plw -	4	2.4m	0.5m	0.30m	1.80m	
					31.64m	
② Sand filling						
Raft	1	2.6m	1.5m	0.10m	1.80m	
Plw -	4	2.4m	0.5m	0.30m	0.98m	
					2.78m	
③ Binding M/S						
Below Raft	1	6.0m	1.5m	0.10m	1.80m	
					7.80m	
④ Binding M/S						
Raft	1	2.6m	1.5m	0.210m	3.78m	
Abut -	2	2.2m	6.0m	0.35m	1.0m	
Top of Abut						
	1	2.2m	6.0m	1.5m	0.210m	3.78m
Plw -	2	2.2m	1.5m	0.25m	0.60m	0.90m
Plw -	2	2.2m	4.0m	0.35m	1.5m	14.50m
Attach -	2	2.2m	0.10m	0.10m	0.6m	0.20m
						29.28m
⑤ Back filling						
	2	2.2m	6.0m	1.0m	0.6m	2.00m
						14.40m
⑥ Wood bulk						
	10	1.5m	2.0m			20m
⑦ Wt of Reinforcement						
	10	50m	6.4m			640m
Abut	2	2.2m	6.0m			1.44m
Raft	2	5.0m	2.0m			20m
Plw -	4	2.2m	5.0m	1.60m		192m
	4	10.0m	12.5m			720m
Chamber	2	1.0m	7.5m			10.3.42

Continuation

1252.5m

0.62kg/m = 10.86m

for 2 No 2x 1.05m = 2.10m

$$B_{\text{res}} = 2.16 \text{ mT}$$

~~slab~~
isthmus
AE

151124024
JH.

2nd & up to dark Bnd

ABSTRACT of work

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① (5) Bench mark. for side Peg 1 to 43 10.795 km @ 958.70/m					157935
(52) Reference Pillar 10.795 km @ 971.610/m					87724
② Clearing & grubbing of 21 canal - 21 Qty for side Peg 1 to ① 10.2414 @ 29446 vol/m					118792
③ Cut of road subgrade 1000 m long Qty for side Peg 1 to ① 1346.37 m @ 174.90/m ³					1160556
④ Cut of road subgrade 1000 m long Qty for side Peg 1 to ① 1808.20 m @ 139.61/m ³					112833
⑤ Cut of subgrade & earthen shoulder Qty for side Peg 1 to ① 1576.87 m @ 126.47/m ³					1018002 160560
⑥ Box cutting. Qty for side Peg 1 to ⑥ 177.63 m @ 74.10/m ³					155752
⑦ Filling of 5.13 to 1 Qty for side Peg 1 to ⑤ 1338.43 m @ 260.14/m ³					880320
⑧ Providing S/M 14 Qty for side Peg 1 to ⑧ 1224.77 m @ 3249.71/m ³					730437
⑨ Primer coat Qty for side Peg 1 to ⑤					
12272.50 m @ 41.44/m					594172

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) Track coat Area for side Position 6 2272.500' @ 14.041' = 31906					2013408
(11) M + Seal Coat Area for side Position 7 2272.500' @ 200.431' = 455477					31906
(12) Kidding M ² Cement Concrete Put 26 Qty for side Position 8 118.03 m' @ 7028.21/m' = 829535					455477
(13) Kilometre Strip for side Position ordinary km 1 No @ 2413.48m = 2413					829535
(13) 200 m stone 3 No @ 636.05m = 1908					2413
(14) Boundary Pillar for side Position 10 15 m @ 511.55m = 7673					1908
(15) Painting two coats Area for side Position 11 2232 m' @ 96.401' = 2152					7673
(16) Painting on Cement Surface Area for side Position 12 39 m' @ 30.201' = 3522					2152
(17) Road Marking Area for side Position 13 158 m' @ 735.401' = 116928					3522
(18) M m l s y s s o n for side Position 14 2 No @ 11346.21m = 22692					116928
(19) Maintenance Road for side Position 15 2 No @ 11346.21m = 22692					22692
Continuation					
					3310309

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(20) Redo re-tiling for inside Pigeon 16				13.14	3510309
(21) 60mm circular					29284
1 8m @ 3661.74					29284
(22) 60mm circular					19403
1 4m @ 4835.32					19403
(23) 60mm circular					8525
1 2m @ 4287.33					8525
(24) 90mm octagon					16488
1 2m @ 8244.18					16488
(25) Supplying of 30mm					
1 15m @ 782.62					11739
(26) Plantation of tree					
1 60m @ 800.32					48016
(27) 120 in extent in 1st					112.11
Qty for inside Pigeon 1					
1 31.64m @ 260.59					8245
(28) Sand filling					
Qty for inside Pigeon 2					
1 2.88m @ 397.34					1104
(29) Paving M20					
Qty for inside Pigeon 3					
1 1.8m @ 5822.32					10480
(30) Paving M20					
Qty for inside Pigeon 4					
1 29.28m @ 7436.38					217737
Continuation					3851882

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(27) Buck 100 y BFB					388/882
Qty for side P10					35458
A 14-400 @ 2462.40/m					342
(28) Weep hole					
for side P10					
120 m @ 83.39/m					1668.
(29) Cost of Reinforcement					
Qty for side P10					
A 2.16 M.T @ 53293.98/m					
					115114.
					4034122
Less 0.01% below					403.
					4033712

A 20 (24.03.21) — 4554040
 Had 14. Luban Carb 40337 =
 \$ 45581012

Co.
 11/02/2022
 AE

marked
 08/02

