

1965

Executive Engineer
R.W.D. Works Division

DIVISION

~~Darbhanga~~

2000

SUB-DIVISION

MEASUREMENT BOOK

Liladhar Yadav

3529

Final Bill

Sch. XLV-Form No. 134

Measurements.			
1) P/C - G.S.B. with well graded materials as per specifica.			
B.T. Portion			
A) Earthwork	1 x 30.0mt	x 4.05 x 0.200 =	24.30m ³
(B) Brick Road widening:	1 x 2 x 30.0mt	x 0.525 x 0.200 =	6.30m ³
(C) Brick Road Profile Correction.	1 x 2 x 2 x 4.50mt	x 1.35 x 0.100 =	2.43m ³
	1 x 7.30mt	x 2.10 x 0.100 =	1.53 "
	5 x 2.0mt	x 1.50 x 0.100 =	1.50 "
	3 x 1.50mt	x 1.00 x 0.100 =	0.45m ³
	7 x 2.0mt	x 1.00 x 0.100 =	1.40 "
(c) Total			7.31m ³

Continuation

2nd on A/C & Final B.M.

33

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of Cont.					
(1) Setting out B.M. Pillars.					
vide Im.B Item-1, P-13					
= 0.2 Nos					
@ A 3811.49/cm - 1 -					7623 =
(2) Counters. of Reference Pillars					
vide Im.B, H-2, P-13					
= 0.8 Nos					
@ A 1749.51/cm - 1 -					13996 =
(3) PILING & Boarding					
vide Im.B H-3, P-13 = 0.2 Nos					
H-6, P-31 = 0.1 No					
Total = 0.3 Nos					
@ A - 9303.42/cm - 1 -					27910 =
(4) Clearing & Scrubbing					
vide Im.B, H-4, P-33					
= 0.669 Hmt					
@ A - 51133.76/Hmt - 1 -					34208 =
(5) E/W in excavation					
vide Im.B, H-5, P-13					
= 146.37 m ³					
@ A - 269.32/m ³ - 1 -					39420 =

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No. •	L.	B.	D.	
(6) P/L - Ist class bedding 24 vide P.M.B, it-6, P-14 = 18.40 mt @ A - 453.20/mt - A - 8339 =					
(7) P/L - P.C.C. MIS - fowela. vide it-7, P-14 = 13.24 mt @ A - 5092.63/mt - A - 67,426 =					
(8) Pr. A/wd m/c in C.M. (1:4) vide it-8, P-15 = 127.682 mt @ A - 5670.25/mt - A - 7,23,989 =					
(9) P/L - 600mm Ø R.C.C. Pipes 27 vide it-9, P-14 = 7.50 mt. @ A - 2555.85/mt - A - 19,169 =					
(10) P/L - 1000mm Ø HP3 28 R.C.C. Pipes vide it-10, P-15 = 22.50 mt. @ A - 3518.83/mt - A - 79,174 =					
(11) P/L - 1000mm Ø HP3 29 R.C.C. Pipes vide P.M.B, it-11, P-15 = 15.00 mt. @ A - 3696.37/mt - A - 55,446 =					

Continuation

1076700 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(12) Plastering in (m. 11:4)					
vide T.M.D., it-12, P-15					
= 166.89 m ²					
@ Rs- 161.33 / m ² - Rs- 26,924 =					
(13) Plastering in exava.					
32 vide it-13, P-15 = 96.0 m ²					
@ Rs- 269.32 / m ² - Rs- 25,857 =					
(14) P.C. - P.C.C. M15 - 70 vada					
vide it-14, P-15 = 12.0 m ³					
@ Rs- 5092.83 / m ³ - Rs- 61,112 =					
(15) P.C. - P.C.C. M20 - 81 vada					
34 vide it-15, P-16					
T.M.D. = 60.93 m ³					
@ Rs- 5649.83 / m ³ - Rs- 344,244 =					
(16) P.C. - P.C.C. M20 - 81 vada					
35 vide T.M.D., it-16, P-16					
= 40.20 m ³					
@ Rs- 5835.44 / m ³ - Rs- 2,34,585 =					
(17) P.I.F. - Wurf Holes.					
vide it-17, P-16					
= 24 Nos					
@ Rs- 110.57 / unit - Rs- 2654 =					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(18) P/C - R.C.C. M20 - Slab.					
Width - 18, P-16 = 3.84m					
@ 1 - 5835.44/m ² - 1					22,408 =
(19) P/C - MYS Bars.					
Width - 19, P-16 = 0.070 m.f.					
@ 1 - 48986.32/m.f. - 1					3429 =
(20) Pr. Back - filling					
Width - M.B. it-20, P-16					
= 72.0 m					
@ 1 - 453.20/m - 1					32,630 =
(21) P/C - Filter Media.					
Width - 21, P-17 = 28.80 m					
@ 1 - 453.20/m - 1					13052 =
(22) P/C - R.C.C. M25 - Slab.					
Width - 22, P-17 = 6.48 m					
@ 1 - 6728.50/m ² - 1					43601 =
(23) P/C - P.C.C. M20 - Concreting					
Width - 23, P-17					
= 10.0 m					
@ 1 - 378.72/m ² - 1					3787 =
					1890983 =

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(24) P/F - HYSD Bars.					
with 7 m.B, it-24, P-12					
= 0.699 m.T.					
@ A 50036.12/m.T. - A - 34,975 =					
(25) P/F - Spout - Sealing					
with it-25, 1217 = 15.0 mt.					
@ A 38.08/mt - A - 571 =					
(26) Pr. Round file exclave					
(A) with it-26, P-17 = 6.30 m ³					
@ A = 74.16/m ³ - A - 467 =					
(B) = 25.03 m ³ @ A - 74.16/m ³ - A - 1856 =					
(27) Constr. of Embank					
mt. level - 1000 mt.					
with 7 m.B, it-27, P-18 = 556.60 m ³					
it-11A, P-26/28 = 357.93 m ³					
Total = 914.53 m ³					
@ A - 175.22/m ³ - A - 160,244 =					
(28) Constr. of Embankment					
level - 100 mt.					
with 7 m.B, it-28, P-18 = 1290.0 m ³					
it-11B, P-28 = 843.91 m ³					
Total = 2133.91 m ³					
@ A - 139.85/m ³ - A - 298,427 =					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(29) Contr. at Subgrade.					
$\frac{\text{Vide}}{\text{I.M.D.}}$ it-29/A, P-18 =					309.32 m ³
it-2, P-25/26 =					573.90 m ³
Total =					883.22 m ³
@ A -					176.86/m ³ - A - 1,56,206 =
(30) P.I.C. - U.S.B.					
$\frac{\text{Vide}}{\text{I.M.D.}}$ it-30/A, P-18 =					1223.10 m ³
it-30/B, P-18 =					44.0 m ³
it-1, P-22/23 =					66.88 30.12 m ³
Total =					1297.22 m³ 1333.98 m ³
@ A -					2503.45/m ³ - A - 32,47,525 = 33,79,552 =
(31) P.I.C. - W.B.M. - gr-3					
$\frac{\text{Vide}}{\text{I.M.D.}}$ it-31/A, P-18 =					421.875 m ³
it-31/B, P-19 =					70.88 m ³
it-2, P-23 =					30.12 m ³
Total =					522.87 m ³
@ A -					3185.87/m ³ - A - 16,65,814 =
(32) P.I.C. - M30 gr. C.C. Pavement					
$\frac{\text{Vide}}{\text{I.M.D.}}$ it-1, P-24/25 =					181.93 m ³
@ A -					6529.53/m ³ - A - 11,87,917 =
(33) P.I.C. - Prime Coat					
with SS,					

Continuation

87,37,614 =

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
vide T.M.B, it-1, P-29/30					
=		5921.69 m			
@ A-42.27 /ml-1-2					50,310 =
(34) P/A - Truck Count					
vide T.M.B, it-2, P-30					
=		5921.69 m			
@ A-14.37 /ml-1-84,917 =					
(35) P/C - N.S. Survey					
vide it-3, P-30 = 5921.69 m					
@ A-205.34 /ml-1-1215960 =					
(36) P/C - Harrel Shoulang					
vide it-7, P-31 = 11.50 m					
@ A-473.67 /ml-1-5447 =					
(37) P/F - K.M. Shours					
vide it-8, P-31 = 0.31 m					
@ A-2190.36 /ml-1-6571 =					
(38) P/F - 200 mt. Shours.					
vide it-9, P-31 = 0.81 m					
@ A-584.48 /ml-1-4676 =					
(39) P/F - 600 m. Irregular Bound					
vide it-10, P-32 = 0.81 m					
@ A-393.16 /ml-1-31457 =					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(80) 19 PIF- 600 mm - Circular Board.					
width - 10/B, P-32 = 06 Nos					
@ 1/- 5059.11/mm - 1/- 30355 =					
(81) 20 PIF- 600 x 450 mm Board					
width - 10/L, P-32 = 04 Nos					
@ 2/- 4943.76/mm - 1/- 19775 =					
(82) PIF- Boundary Pillars					
width - 5, P-31 = 18 Nos					
@ 8/- 541.97/mm - 1/- 9755 =					
(83) P/- Road Marking.					
width - 4, P-30/31					
= 382.0 mL					
@ 1/- 735.44/mL - 1/- 280,938 =					
(84) 31 Painting with apex perimeter of 84 out					
width T.M.D. 11/- 11, P-32					
= 166.89 mL					
@ 1/- 128.04/mL - 1/- 21,369 =					
Total - 10698544 = 00					
Add - 12% 4.5% = 1283825 =					
1% 13 = 106985 =					
S/P wt = 32827 =					

Continuation - 12122/181 = 00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
PAF Amount $\beta = 12122181 = 00$					
Loss - 0.25% = 12130305 = 00					
Balance $\beta = 12091876 = 00$					
Loss. Pre. Payment $\beta = 8047829 =$ (12-29)					
Balance $\beta = 4044047 = 00$					

~~19/9/23~~
JB

~~19/9/23~~
JB

CEL
del
19/9/23
JB

The work has been completed
as per specification -

~~19/9/23~~
JB

Materials.

item.	Mold	Dust	Chips	Sand	E/W
1) Gravel	-	-	-	-	841.84
2) Subgrade	-	-	-	-	401.73
3) U.S.D.	56.20	-	-	24.10	-
4) W.B.M. gr. 3	36.44	7.23	-	-	-
5) C.C. P.W.	-	-	163.74	81.87	-
6) M.S. Jutt	-	53.30	159.90	-	-
Total	92.64 m ³	61.53 m ³	323.64 m ³	105.97 m ³	1243.57 m ³
SS ₁ - 5.03 MT, RS ₁ - 1.63 MT, SS ₂ - 10.36 MT					H-25 MT
W.P. - 0.90 MT					

~~19/9/23~~
JB

Continuation