MMGSZ M·D B.-BRRP-576

Schedule XLV From No. 134.

BIHAR P. W.D.

M·B·N· 1759/23-24

कार्यपालक अभियंता
ग्रामीण कार्य विभाग, कार्य प्रमंडल
नरकटियागंज

DIVISION

SUB-DIVISION

MEASUREMENT BOOK

1759

3rd & Final Bill

Sch. XLV-Form No. 134

Particulars	No	L.	B	D	Contents of area
Name of Work - Constt. of road from Dhanikutwa to Anirudhan Tola.					
Agency - Sri Arbind Kr Singh					
Agreement No - 32/2023-24					
Date of start - 05.02.2024					
Date of Completion. 04.02.2025.					
Record Entry					
(ii) P/L & applying Prime Coat emulsion SS-1					
— do —					
	11 x	30.00	x 3.75 =		1237.50
	9 x	30.00	x 3.75 =		1012.50
	12 x	30.00	x 3.75 =		1350.00
	1 x	22.00	x (5.15+3.37)/2 =		93.70
	1 x	18.00	x (6.20+3.75)/2 =		89.55
				Total =	3783.45 m²
25/3/2024					
Record Entry					
(iii) P/L & applying Tack Coat emulsion RS-1					
— do —					
Same quantity taken from					
item No - (ii) vide Page 17 →					3783.45 m²

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L	B	D	Contents of area
(13) Per laying rolling of close graded mixed surface — do — Same quantity taken from item No. 12/11 page 17					3787.45 m²
(a) Per cost of subgrade & earthern shoulder					

2 × 33 × 30.00 × 1.30 × 0.20				= 514.80
2 × 1 × 10.00 × 1.40 × 0.20				= 5.60
2 × 5 × 15.00 × 1.20 × 0.100				= 18.00
2 × 33 × 30.00 × 1.20 × 0.075				= 178.20
2 × 1 × 10.00 × 1.20 × 0.075				= 1.80
2 × 5 × 15.00 × 1.00 × 0.075				= 11.25
			Total	729.65 m³
(15) Per laying bricks soling on subgrade — do —				
2 × 2 × 30.00 × 0.50				= 60.00
2 × 1 × 15.00 × 0.50				= 15.00
			Total	= 75.00 m²
(22) Per laying 300 NB dia RCC Pipe				
3 × 3 × 2.500				= 22.50 M.

Continuation

Sch. XLV-Form No: 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5	P/L laying of hot				
	applied thermoplastic				
	compound — do —				
	2x	33x30.00	x0.10 :		178.00
	2x	1x	10.00	x0.10 :	2.00
				Total :	200.00 m²
6	P/L laying of hot				
	applied thermoplastic				
	compound — do —				
	2x	2x	30.00	x0.10 =	12.00
	2x	1x	15.00	x0.10 =	3.00
				Total	15.00 m²
6	P/L Rumble strips				
	with mix of bituminous				
	carpet — do —				
	2x	15x	3.75	x0.25 =	28.125 m²
7	P/L Rumble strips				
	with glass beads —				
	— do —				
	2x	15x	3.75	x0.25 =	28.125 m²
8	P/L R.C.C M-15				
	grade ordinary				
	KM stone —				02 Nos
9	P/L R.C.C M-15 grade				
	200 M & KM stone —				04 Nos
10	P/L R.C.C M-15				
	grade boundary pillar				
	— do —				16 Nos

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
11 (31)	Supply fixing making logo board —				02 nos
12 (32)	Maint. board —				01 nos
13 (33)	Making logo board — do —				01 nos
14 (34)	Supply & fixing 600 mm triangle board —				08 nos
15 (35)	Supply & fixing 900 mm side octagon board —				02 nos
16 (36)	Supply & fixing 600 mm circular board —				02 nos
17 (37)	Supply & fixing 600x450 mm rectangular board —				02 nos
18 (42)	Planting of trees by road side — do —				50 nos.

Earthwork quantity.

Ch	Dis	Area	Mean Area	Volume
0	0	3.757	—	—
50	50	4.442	4.100	204.975
100	50	3.757	4.100	204.975
150	50	4.655	4.206	210.300
200	50	3.791	4.223	211.150
250	50	4.509	4.150	207.500
300	50	3.757	4.133	206.650
350	50	~~4.284~~	4.291	214.525
400	50	~~3.797~~	~~4.336~~ 4.291	214.525

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
450	5	3.881	3.769		188.470
500	5	3.771	3.786		189.325
550	5	4.500	4.146		207.375
600	5	3.791	4.146		207.375
650	5	3.857	3.774		188.700
700	5	3.791	3.774		188.700
750	5	4.410	4.101		205.025
800	5	3.373	3.892		194.525
850	5	3.857	3.565		178.250
900	5	1.025	2.416		120.800
950	5	1.352	1.414		70.175
1000	5	1.161	1.457		72.825
1050	5	1.582	1.374		68.700
1075	25	1.481	1.534		38.350
				Total	3793.550

Less crust thickness

(i)	B.B.	-	736.00 m³
(ii)	Kerb & Gutter	-	305.34 m³
(iii)	P.C.C.		45.42 m³
(iv)	Subgrade	-	2286.75 m³
(v)	Side ditching	-	40.28 m³
		Total	3403.81 m³

Net earthwork

Quantity

= 3793.55 m³ - 3403.81 m³

= 389.64 m³

(8) Cutting of embankment

Land up to 100 M lead.

80% of 389.64 m³

= 311.712 m³

Cum'l = 304.36 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8/1 Const of embankment					
1m up to 100 m length					
20% of 389.64 m³					
			=	77.93 m³	
		Credit —		76.59 m³	
31/5/2021		30/05/21 AE			

Abstract of cost

1/2 Const of working benchmark — do —					
1.075 Km vide page-(12)					
@ 5521.78/Km — Rs					5936
2/(2) Const of reference pillars — do —					
1.075 Km vide page (12)					
@ 2573.10/Km — Rs					2766
3/(3) Clearing & grubbing of woodland — do.					
0.32/Hect vide page-(12)					
@ 72697.86/Hect — Rs.					23263
					31965

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
4/(4) Excavation in road way bed including					
49.38 m³ vide Page (12)					
@ 179.60/m³ — Rs					7032
5/(5) Const. of embankment lead up to ... — do —					
28.20 m³ vide Page (12)					
@ 69.45/m³ — Rs					1958
6/(6) Const. of embankment lead up to 100 m length — do —					
304.36 m³ vide Page (21)					
@ 259.90/m³ — Rs					79103
7/(7) Const. of embankment lead up to 100 m length					
76.09 m³ vide Page (22)					
@ 184.51/m³ — Rs					14039
8/(8) Const. of subgrade & earthen shoulders					
1547.10 m³ vide Page (13)					
729.65 m³ vide Page (13)					
2276.75 m³					
@ 263.44/m³ — Rs					599787
9/(9) Const. of G.S.B by well graded material					
736.07 m³ vide Page (19)					
@ 4325.21/m³ Continuation — Rs					3183657

3917846

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
(10) P/L laying spreading & compacting WMM Gr-I(?)					
905.94 m³ vide Page (14)					
@ 5842.68/m³ —— Rs.					1224412
(11) P/L & applying Prime coat emulsion SS-1					
3787.45 m² vide Page (17)					
@ 59.88/m² —— Rs					226755
(12/(12)) P/L & applying tack coat emulsion RS-1					
3787.45 m² vide Page (17)					
@ 20.56/m² —— Rs					77870
(13/(13)) P/L laying rolling of close graded					
mixseal surface —					
3787.45 m² vide Page (18)					
@ 304.88/m² —— Rs.					1154718
(14/(14)) P/L Const of unreinforced P.C.C. M-30 grade — do —					
45.42 m³ vide Page (14)					
@ 9942.34/m³ —— Rs					451581
(15/(15)) P/L laying Smear rolling layer on Subgrade —					
75.00 m² vide Page (18)					
@ 483.31/m² —— Rs					36248

Continuation

2589381

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
18) P/w [illegible] in [illegible]					
83.96 m²					
@ 384.38/m²				= Rs	32280
19) P/w P.C.C. M-10 in foundation —					
8.00 m³					
@ 8756.09/m³				= Rs	70049
20) P/w P.C.C. M-15 grade in foundation — do —					
73.53 m³					
@ 8315.89/m³				= Rs	611460

19/21) P/w laying 100Ø RCC P/P — do —					
22.50 M					
@ 7594.99/M				= Rs	170887
20/22) P/w P.C.C. M-20 grade in foundation —					
7.83 m³					
@ 9056.96/m³				= Rs	70916
21/23) P/w Backfilling behind abutment — do —					
100.15 m³					
@ 906.79/m³				= Rs	90765

Continuation

8635638

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
22/(20) P/L Brick masonry					
work — do —					
8.93 m³ vide Page (15)					
@ 7004.61/m³			—	Rs	62551
23/(22) P/L Plastering with					
CM on brick work —					
99.60 m² vide Page (15)					
@ 249.32/m²			—	Rs	24832
24/(23) P/L & fixing Guide					
Post — do —					
24 nos vide Page (15)					
@ 724.48/each			—	Rs	17388
25/(27) P/L laying 300 mm dia					
R.C.C. Pipe — do.					
22.50 m vide Page (13)					
@ 909.74/m			—	Rs	20469
26/(28) P/L R.C.C. M-15					
grade ordinary					
KM stone —					
02 nos vide Page (17)					
@ 3416.35/each			—	Rs	6833
27/(29) P/L R.C.C. M-15 grade					
200 m × KM stone					
— do —					
04 nos vide Page (17)					
@ 927.24/each			—	Rs	3709

Continuation

8771425

Particulars	Details of actual measurements				Contents of area
	No.	L	B	D	
31 (31)	RCC [illegible]				
	[illegible]				
	28 mm [illegible]				
	@ 704.98/cum			= Rs	11572
32 (32)	RCC & [illegible]				
	[illegible]				
	02 no	mode	Page 20		
	@ 15559.23/cum			= Rs	31117
20 (32)	[illegible]				
	01 no	mode	Page 20		
	@ 15559.23/cum			= Rs	15560
31 (33)	Masonry	Rajo	Board		
	01 no	mode	Page 20		
	@ 15559.23/cum			= Rs	15560
32 (34)	RCC & [illegible]				
	rhomple	Board			
	08 no	mode	Page 20		
	@ 4793.24/cum			= Rs	38350
33 (35)	RCC & [illegible]				
	mode	octagon	Board		
	02 no	mode	Page 20		
	@ 10683.57/cum			= Rs	21367
24 (36)	RCC & [illegible]				
	circular	board			
	02 no	mode	Page 20		
	@ 6149.28/cum			= Rs	12299

Continuation

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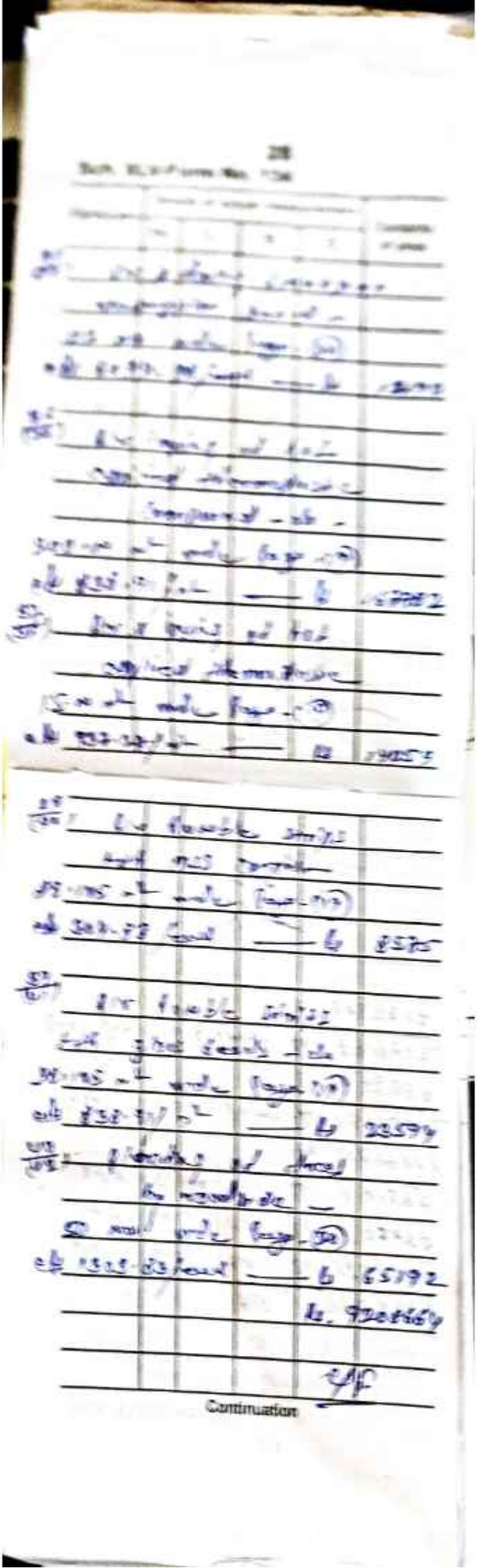

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No	L	B	D	
			B/F		7708664
Add	6 NT	18.1.		Rs.	1657560
Add	6.0%	1st.		Rs	99087
Add	S. Fee			Rs.	1741590
				Rs	11099901
Less	18.23%	below		Rs	2023512
				Rs.	9076389
Less	Previous Payment			Rs.	6919072
				Rs.	2157317

30/05/2024 J.E.

30/05/24 AE

Material	Used
Sand Normal	- 912.41 m³ (R. 25.25)
Stone chips	- 102.28 m³ (R 429.92)
Local Sand	- 2.85 m³ (R. 144.35)
Bricks	- 4628 Nos. (R 5.37)
Emulsion	RS-1 - 3.219 MT
Emulsion	HY-1 - 1.042 MT
Bitumen	S-90 - 6.426 MT

Continuation

30/05/2024 J.E.

30/05/24 AE