

488

Rivar Bank to Kathawa

Schedule XLV-Form No. 134

BIHAR P. W. D.

DIVISION

Pipras

SUB-DIVISION

MEASUREMENT BOOK

Munna Kumar Jaishwal

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)

of the measurements relating to each work)					Contents of area
Particular	Details of actual measurement				
	No.	L.	B.	D.	
Name of work -	Constn. of road from				
River Bank	to Kathawa under				
m m GSY (NDB)					
Pkbt. No -	14 m GSY	NDB	ARRD - 520 -		
			Bagaha - 2		
Agency -	munna Kumar Jaiswal.				
Agg. No -	04	SBD	/ 2023-24		
D/commencement -	26.6.2023				
D/completion -	23.6.2024				
D/entry -	15.8.2024				
Item No. ① -	corner of Refersore				

and working	Back mark Pillars - 2.90 km				
Item No. ② -	corner of Refersore				
Pillars	d.d				2.90 km.
Item No. ③ -	clearing work & rubbing				
of road land	d.d				
96 x 30 m	x 2 x 1.50 m		=	8640.00 m ²	
1 x 20 m	x 2 x 1.50 m		=	60.00 m ²	
					8700.00 m ²
					0.87 Hect.
Item No. ④ -	corner of Refersore				
Excavation for roadway in					
soil (Box cutting) both side -					
B.T. P. 20 m					
18 x 30 m	x 2 x 0.525 m x 0.10 m		56.70 m ³		
9 x 30 m	x 2 x 0.525 m x 0.10 m		28.35 m ³		

Continuation
 L.A. G.S. = 85.05 m³

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Continuation of item No. (4)					
					B.F. Qty = $85.05 m^3$
1 x 7m x 2 x 0.525m x 0.10m =					$0.74 m^3$
4 x 30m x 2 x 0.525m x 0.10m =					$12.60 m^3$
1 x 10m x 2 x 0.525m x 0.10m =					$1.05 m^3$
6 x 30m x 2 x 0.525m x 0.10m =					$18.90 m^3$
9 x 30m x 2 x 0.525m x 0.10m =					$28.35 m^3$
1 x 30m x 2 x 0.525m x 0.10m =					$0.32 m^3$
C.C. Part -					
2 x 30m x 2 x 0.375m x 0.175m =					$86.63 m^3$
1 x 19m x 2 x 0.375m x 0.175m =					$2.49 m^3$
4 x 30m x 2 x 0.375m x 0.175m =					$15.75 m^3$
1 x 23m x 2 x 0.375m x 0.175m =					$3.02 m^3$
6 x 30m x 2 x 0.375m x 0.175m =					$23.63 m^3$

					278.53 m ³
Item No. (5) - Consol. of emb- work with approved materials deposited at site.					
70% Qty of 278.53 m ³ =					$194.97 m^3$
Item No. (6) - Dismantling of Existing structure R.C.C. -					
7 x 0.45m x 5m x 0.15m =					$2.36 m^3$
Item No. (7) - Dismantling of existing structure R.C.C. -					
7 x 5m x 0.45m x 0.30m =					$4.73 m^3$
7 x 2 x 0.45m x 0.30m x 0.30m =					$0.57 m^3$
					$5.30 m^3$
Item No. (8) - Dismantling of R.C.C. -					

Continuation
7 x 2 x 3m x 0.25m x 2m = $173.25 m^3$

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
30x Cid road - 5.2m - 1x2m x 3m - 3 Nos.					
1200 mm dia. H.P.C. -					1 No.
Item No. (9) - 2700m excavation in form of drainage d.d.					
3x6m 3.50m x 0.65m =					40.95m ³
3x2x 3.50m x 1.30m x 1.50m =					49.14m ³
3x4x 3.32m x 3.41m x 1.80m =					244.54m ³
H.P.C. -					
1x2x6.35m x 1.40m x 1.45m =					25.78m ³
1x5.70m x 1.55m x 0.25m =					2.21m ³
					362.62m ³
Item No. (10) - P.C.C. m 10 in open form. d.d.					
Box Culvert -					
3x1x6m x 2.50m x 0.10m =					4.50m ³
3x4x3.32m x 2.41m x 0.20m =					19.90m ³
H.P.C. -					
1x2x6.35m x 1.40m x 0.15m =					2.67m ³
					26.37m ³
Item No. (11) - P.C.C. m 15 in open form. d.d.					
Box Culvert -					
3x4x2.92m x 2.91m x 1.31m					
					93.07m ³
3x2x2.50m x 0.30m x 1.50m =					6.75m ³
H.P.C. -					
1x2x6.20m x 1.25m x 0.40m					
					26.09m ³
1000-172 x 1/4 x (1.22m) ² x 0.65m =					1.55m ³
Continuation					124.36m ³

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Substructure (12) - S/p/p/lastly					
10 mm dia bar -					
Substructure for 1 nos. dia column -					
(A) - In bottom slab - 1 No.					
10 mm dia bar -					
1 x 44 x 2.70 m =			118.80 m		
1 x 39 x 2.70 m =			105.30 m		
2 x 1.60 m =			39.20 m		
2 x 15 x 6.20 m =			186.00 m		
			449.30 m		
(P.D. 62 kg/m ³ /m)					0.279 m ³
					(A)
(B) - Both side wall - 2 Nos.					
10 mm dia bar -					
2 x 44 x 2.70 m =			237.60 m		
2 x 31 x 2.70 m =			167.40 m		
2 x 2 x 1/2 x 6.20 m =			347.20 m		
2 x 11 x 22 x 0.25 m =			121.00 m		
			873.20 m		
(P.D. 62 kg/m ³ /m)					0.541 m ³
12 mm dia L bar					
2 x 44 x 1.52 m =			221.76 m		
(P.D. 90 kg/m ³ /m)					0.200 m ³
8 mm dia bar					
2 x 2 x 41 x 1.15 m =			188.60 m		
(P.D. 40 kg/m ³ /m)					0.075 m ³
			(B)		0.816 m ³
(C) - In left wall -					
8 mm dia bar -					

Continuation

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Concrete slab area at (12) (C)					
$2 \times 16 \times 3.30 \text{ m} = 93.60 \text{ m}^2$					
$3 \times 2 \times 5 \times 3.20 \text{ m} = 54.00 \text{ m}^2$					
				146.60 m	
@ 0.40 kpm/m					0.059 m
10 mm dia bar					
$2 \times 4 \times 3.20 \text{ m} = 21.60 \text{ m}$					
$2 \times 7 \times 5 \times 0.30 \text{ m} = 21.00 \text{ m}$					
				42.60 m	
@ 0.62 kpm/m					0.026 m
				(C)	0.025 m
Total reinforcement in					
Substructure A+B+C =					1.180 m
Hence for 3 nos. R.C.C.					

Box Culvert Substructure					
Reinforcement = $3 \times 1.180 \text{ m} =$					3.54 m
Item No. (13) - R.C.C. m 25 in					
Substructure d.d.					
$3 \times 1 \times 6 \text{ m} \times 2.50 \text{ m} \times 0.25 \text{ m} =$					11.25 m ³
$3 \times 2 \times 6 \text{ m} \times 0.25 \text{ m} \times 2 \text{ m} =$					18.00 m ³
$3 \times 4 \times 6 \text{ m} \times \frac{1}{2} \times 0.15 \text{ m} \times 0.15 \text{ m} =$					0.81 m ³
					30.06 m ³
Item No. (14) - R.C.C. m 20 in Parapet					
10 m ³ Hand wall d.d.					
$1 \times 2 \times 6.20 \text{ m} \times 0.40 \text{ m} \times 0.075 \text{ m} =$					0.37 m ³
$1 \times 5.79 \text{ m} \times 1.5 \text{ m} \times 0.25 \text{ m} =$					2.24 m ³
					2.61 m ³
Item No. (15) - R.C.C. m 25 in sub					
5 V.P. wall d.d.					

Continuation

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Condition of item	(5)				
Box correct					
$3 \times 4 \times 2.32 \text{ m} \times \frac{1.31 + 0.50}{2} \text{ m} \times 1.20 \text{ m} = 58.92 \text{ m}^3$					
$3 \times 4 \times 2.32 \text{ m} \times 0.40 \text{ m} \times 0.50 \text{ m} = 2.10 \text{ m}^3$					
$4 \times 2.12 \times 6.20 \text{ m} \times 0.40 \text{ m} \times 1.20 \text{ m} = 5.95 \text{ m}^3$					
					66.47 m ³
Item (6) - p/y. and loping					
1000 mm dia HPL d/d					
$1 \times 3 \times 3.50 \text{ m}$					7.50 m
Item (7) - p/y and loping					
filter media d/d					
$2 \times 2.32 \text{ m} \times 0.60 \text{ m} \times 1.25 \text{ m} = 27.38 \text{ m}^3$					
$3 \times 4 \times 2.32 \text{ m} \times 0.60 \text{ m} \times 1.95 \text{ m} = 32.57 \text{ m}^3$					
					59.95 m ³
Item (8) Back filling					
600 mm p/wall & d/d					
HPL					
$1 \times 5.79 \text{ m} \times 6.20 \text{ m} \times 1.24 \text{ m} = 44.51 \text{ m}^3$					
$1 \times 5.79 \text{ m} \times 1.25 \text{ m} \times 1.24 \text{ m} = 11.13 \text{ m}^3$					
Box correct					
$3 \times 2 \times 2.92 \text{ m} \times 2.32 \text{ m} \times 1.95 \text{ m} = 115.47 \text{ m}^3$					
Less for filter media & some					
compare above (17) & (18)					
7.10 m p.					59.95 m ³
					88.90 m ³
Item (19) - E/p/loring. HPL					
bar in d/d - structure d/d					
20.00 m for 1 hole. Box correct					
(19) - 7.10 m					1 d/d

Continuation

Particular	Details of actual measurement			Contents of area
	No.	L.	B.	
Compartments 1st & 2nd floor	(A)	(A)		
12 mm dia. bar				
$1 \times 47 \times 2.70 \text{ m} = 126.90 \text{ m}$				
@ 0.90 kg/m				0.114 mt
10 mm dia. bar				
$1 \times 44 \times 2.70 \text{ m} = 118.80 \text{ m}$				
$2 \times 15 \times 6.20 \text{ m} = 186.00 \text{ m}$				
$28 \times 1.50 \text{ m} = 39.20 \text{ m}$				
			344.00 m	
@ 0.62 kg/m				0.213 mt
8 mm dia. L bar				
$2 \times 44 \times 1.42 \text{ m} = 124.96 \text{ m}$				
@ 0.40 kg/m				0.050 mt
			(A)	0.377 mt
(B) - 3rd floor - 2nd floor				
10 mm dia. bar				
$2 \times 14 \times 1.25 \text{ m} = 35.00 \text{ m}$				
$2 \times 2 \times 5 \times 5.22 \text{ m} = 51.40 \text{ m}$				
			86.40 m	
@ 0.62 kg/m				0.054 mt
				(B)
Total reinforcement in super				
structure for 1st floor				
Cut off = A + B				0.431 mt
For 3rd floor				
= $3 \times 0.431 \text{ mt} = 1.293 \text{ mt}$				
Grand total	(20)	RC. 6 mm		
3rd				
super structure				

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Continuation of item No. (20)					
3x1x6m x 2.50m x 0.25m =					11.25m ³
3x2x2.50m x 0.25m x 0.25m =					1.03m ³
					12.28m ³
Item No. (21) - Contn. of R.C.C.					
33					
grade, mass in railing.					
3x2x2.50m					15m
Item No. (22) - 2 roadways					
31					
2x4m					12m.
Item No. (23) - Contn. of embankment					
2x4m					
Chargage	Grass area		Mean Grass area	Dist. area	Volume
in m	in m ²		in m ²	in m	in m ³
0.00	2.218		0.008	0.00	0.00

50	1.280		1.749	50	87.45
100	1.567		1.924	50	71.175
150	2.345		1.958	50	97.800
200	2.296		2.321	50	116.025
250	1.009		1.653	50	82.625
300	2.998		2.005	50	100.175
350	1.564		2.281	50	114.050
400	2.002		1.783	50	89.150
450	1.944		1.973	50	98.650
500	1.996		1.970	50	98.500
550	2.068		2.032	50	101.600
600	1.031		1.550	50	77.500
650	2.048		1.540	50	77.000
700	1.857		1.703	50	85.125
750	1.965		1.661	50	83.050

Continuation

Point No.	Details of actual measurement			Contents of area
	W	L	H	
822	3.272		3.031	50 181.000
840	3.039		3.038	50 189.900
903	1.000		1.806	50 78.875
950	1.804		1.873	50 77.150
1000	1.883		1.993	50 99.600
1050	3.000		3.000	50 100.000
1000	3.009		3.009	50 100.425
1150	3.138		3.074	50 102.675
1300	2.218		2.178	50 108.900
1250	2.057		2.138	50 106.875
1300	1.096		1.574	50 78.675
1250	2.346		1.718	50 85.900
1400	2.218		2.282	50 114.100

1450	1.216		1.718	50 85.900
1500	2.082		1.650 2.201	50 81.500 104.100
1550	2.380		2.231 1.718	50 85.900 111.550
1600	1.355		1.868	50 83.275 82.500
1650	2.330		1.843	50 111.550 92.125
1683	0.000		1.165	33 0.000 38.425
1700	0.000		0.000	17 0.000
1743	0.000		0.000	43 0.000
1750	2.345		1.173	7 8.208
1800	1.296		1.821	50 91.025
1850	2.050		1.673	50 83.650
1900	1.418		1.734	50 86.700
1920	0.000		0.709	20 14.180
1950	0.000		0.000	30 0.000
2000	0.000		0.000	50 0.000

Continuation

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Continuation of item No - (23)					
2050	0.000		0.000	50	0.000
2100	0.000		0.000	50	0.000
2150	0.000		0.000	50	0.000
2200	0.000		0.000	50	0.000
2250	0.000		0.000	50	0.000
2300	0.000		0.000	50	0.000
2307	0.000		0.000	7	0.000
2350	1.394		0.697	43	29.171
2400	2.313		1.854	50	92.675
2450	2.301		2.407	50	120.350
2500	2.058		2.286	50	113.975
2550	3.000		2.629	50	101.450
2600	1.652		1.826	50	91.300
2650	1.322		1.487	50	74.350
2700	2.306		1.811	50	90.700
2750	1.233		1.810	50	90.475
2800	2.437		1.825	50	94.250
2850	1.458		1.448	50	97.375
2900	1.675		1.567	50	78.325
					4500.804
Deduct excavated earth used in embankment of R.T.M. R.R.					
(2) 714 (5)					146.97m ³
					4305.834
(i) earth a load upto 1000mm					
80% of 4305.834m ³ =					3444.67m ³
(ii) - earth a load upto 100mm					
20% of 4305.834m ³ =					861.17m ³

Continuation

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Item 4 (24) - Const. of G.S.B.					
grading I					
Profile correction over					
damaged brick siding.					
$3 \times 30m \times 3.00m \times 0.10m$					$27.00m^3$
$1 \times 25.40m \times 3.00m \times 0.10m$					$7.62m^3$
In widening - B.T. portion.					
$18 \times 30m \times 2 \times 0.525m \times 0.10m$					$56.70m^3$
$9 \times 30m \times 2 \times 0.525m \times 0.10m$					$28.35m^3$
$1 \times 7m \times 2 \times 0.525m \times 0.10m$					$0.74m^3$
$4 \times 30m \times 2 \times 0.525m \times 0.10m$					$12.60m^3$
$1 \times 10m \times 2 \times 0.525m \times 0.10m$					$1.05m^3$
$6 \times 30m \times 2 \times 0.525m \times 0.10m$					$18.90m^3$
$9 \times 30m \times 2 \times 0.525m \times 0.10m$					$28.35m^3$
$1 \times 30m \times 2 \times 0.525m \times 0.10m$					$0.32m^3$
Over 12/E in B.T. portion -					
$18 \times 30m \times 4.05m \times 0.10m$					$218.70m^3$
$9 \times 30m \times 4.05m \times 0.10m$					$109.35m^3$
$1 \times 7m \times 4.05m \times 0.10m$					$2.84m^3$
$4 \times 30m \times 4.05m \times 0.10m$					$48.60m^3$
$1 \times 10m \times 4.05m \times 0.10m$					$4.05m^3$
$6 \times 30m \times 4.05m \times 0.10m$					$72.90m^3$
$9 \times 30m \times 4.05m \times 0.10m$					$109.35m^3$
$1 \times 30m \times 4.05m \times 0.10m$					$1.23m^3$
In widening - C.B. portion -					
$22 \times 30m \times 2 \times 0.375m \times 0.10m$					$49.50m^3$
$1 \times 19m \times 2 \times 0.375m \times 0.10m$					$1.43m^3$
$4 \times 30m \times 2 \times 0.375m \times 0.10m$					$9.00m^3$
$1 \times 23m \times 2 \times 0.375m \times 0.10m$					$1.73m^3$
$8 \times 30m \times 2 \times 0.375m \times 0.10m$					$13.50m^3$
Continuation					
					$823.80m^3$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	H.	
26.000 (21) - 21.000 m x 21.000 m =					
21.000 m x 21.000 m =					151.98 m ³
21.000 m x 21.000 m x 0.075 m =					33.98 m ³
12.000 m x 21.000 m x 0.075 m =					1.97 m ³
12.000 m x 21.000 m x 0.075 m =					23.75 m ³
12.000 m x 21.000 m x 0.075 m =					2.87 m ³
6.000 m x 21.000 m x 0.075 m =					50.63 m ³
9.250 m x 21.000 m x 0.075 m =					75.94 m ³
12.300 m x 21.000 m x 0.075 m =					0.84 m ³
22.000 m x 21.000 m x 0.075 m =					
22.000 m x 21.000 m x 0.075 m =					37.13 m ³
17.192 m x 21.000 m x 0.075 m =					1.07 m ³
4.000 m x 21.000 m x 0.075 m =					6.75 m ³
17.230 m x 21.000 m x 0.075 m =					1.29 m ³
6.730 m x 21.000 m x 0.075 m =					10.13 m ³
					450.13 m ³
Item No. (26) - Contd. of					
C.C. Pavement Ltr					
6.730 m x 3.75 m x 0.16 m =					108.00 m ³
15.01/2024					
F.E.					
15.01/2024					
A.E.					

Abstract of cost for Ist ~~part~~ on A/L bill

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Sch XLV-Form No. 134

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 - Comp. of Rf 10.8 m p/1000					
V. T. m. of Rf (1) d/1000 = 2.90 km					
Rf. 5745 = 35 / km Rf.					16662 = 00
2 - Comp. of Rf 10.8 m p/1000					
V. T. m. of Rf (2) d/1000 = 2.90 km					
Rf. 2704 = 19 / km Rf.					7842 = 00
3 - c/c of Rf 10.8 m p/1000					
V. T. m. of Rf (3) d/1000 = 0.87 km					
Rf. 72697 = 86 / km Rf.					63247 = 00
4 - Excavation for road					
in soil d/1000					
V. T. m. of Rf (4) d/1000 = 278.53 m ³					
Rf. 179 = 64 / m ³ Rf.					50041 = 00
5 - Comp. of embankment with approved material obtained from roadways cut					
V. T. m. of Rf (5) d/1000 = 194.92 m ³					
Rf. 68 = 85 / m ³ Rf.					13429 = 00
6 - Comp. of embankment with unapproved approved material obtained from borrow pits with a load up to 1000 m d/1000					
V. T. m. of Rf (6) d/1000 (23) (1)					
= 3464.67 m ³					
Rf. 257 = 10 / m ³ Rf.					892170 = 00
7 - Comp. of embankment with approved material					

Continuation
C. 1043386 = 00

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			872 R.	104 m	886.00
Continuation of plan No. (2)					
Subsidiary from (2)					
Area within boundary up to 100 m					
V. m. B. R. (10) d/h (2) (1)					
			= 861.17 m ³		
Ch. 183 = 61/m ³ R.					158119.00
$\frac{8}{9}$ - Cont. of C.C. Partment					
do do					
V. m. B. R. (12) d/h (24)					
			= 823.80 m ³		
Ch. 5581 = 60/m ³ R.					4598122.00
$\frac{9}{10}$ - P.C.C. in open trench					
V. m. B. R. (12) d/h (25)					
			= 450.13 m ³		
Ch. 7555 = 68/m ³ R.					3401038.00
$\frac{10}{14}$ - Cont. of C.C. Partment					
do do					
V. m. B. R. (12) d/h (26) = 108 m ³					
Ch. 11537 = 42/m ³ R.					1246041.00
$\frac{11}{16}$ - Filling in excavation in					
four trenches Ltd					
V. m. B. R. (3) d/h (9) = 362.62 m ³					
Ch. 910 = 66/m ³ R.					148914.00
$\frac{12}{17}$ - P.C.C. in open trench					
V. m. B. R. (3) d/h (10) = 26.37 m ³					
Ch. 10712 = 68/m ³ R.					982493.00
$\frac{13}{18919}$ - P.C.C. in open trench					
V. m. B. R. (3) d/h (11) = 124.36 m ³					
Ch. 10077 = 92/m ³ R.					1253290.00
do. R.					12131403.00

Continuation

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			R.F. R.	1213	8403=00
$\frac{14}{20}$ - P.C.C. 100 mm open joint					
V.T.M. R.A. (5) dia (16)					2.6170
Q.R. 11012 = 76/m ³ R.					28743=00
$\frac{15}{21423}$ - P.C.C. 100 mm in sub structure					
V.T.M. R.A. (6) dia (15)					
					= 66.3770 ³
Q.R. 10366 = 69/m ³ R.					689074=00
$\frac{16}{22}$ - S.P. 100 mm H.Y. 10 bar in super structure					
V.T.M. R.A. (7) dia (19)					1.293107
Q.R. 88981 = 45/m ³ R.					115053=00
$\frac{17}{25}$ - Back filling behind					
H.B. 4 R/wall d.d.					
V.T.M. R.A. (8) dia (18)					88.4070 ³
Q.R. 954 = 85/m ³ R.					84886=00
$\frac{18}{22}$ - P.C.C. 100 mm in sub structure					
V.T.M. R.A. (9) dia (13)					30.0670 ³
Q.R. 11791 = 54/m ³ R.					354454=00
$\frac{19}{29}$ - S.P. 100 mm H.Y. 10 bar in sub structure					
V.T.M. R.A. (10) dia (12)					2.34707
Q.R. 81497 = 79/m ³ R.					288503=00
$\frac{20}{30}$ - P.V. and laying filter media d.d.					
V.T.M. R.A. (11) dia (12)					
					= 57.9570 ³
Q.R. 6463 = 54/m ³ R.					387987=00

Continuation

Q.R. 14077605=00

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F. 140		79605=00
$\frac{21}{31}$ - Drainage provided					
Volume of (8) dia (22) = 12 m ³					
Obs 8/17 = 20 each R.					9806=00
$\frac{22}{32}$ - R.C. mass in super					
Structure at d					
V.T. mass of (8) dia (20)					
= 12.22 m ³					
Obs 126/6 = 05 / m ³ R.					154925=0
$\frac{23}{33}$ - Cover of R.C. 125 in					
rolling d					
V.T. mass of (8) dia (21) = 15 m ³					
Obs 6677 = 67 / m ³ R.					99715=00
$\frac{24}{34}$ - p.v. and, laying					
1000 mm dia. 12 ft. d					
V.T. mass of (6) dia (16) = 7.58 m ³					
Obs 7470 = 45 / m ³ R.					58278=0
$\frac{25}{35}$ - R.C. masonry of R.C.					
V.T. mass of (2) + dia (1) = 2.36 m ³					
Obs 658 = 29 / m ³ R.					1855=00
$\frac{26}{36}$ - R.C. masonry of R.C.					
V.T. mass of (2) 11 m (7) = 5.30 m ³					
Obs 1649 = 22 / m ³ R.					2741=00
$\frac{27}{37}$ - R.C. masonry of R.C.					
V.T. mass of (2) dia (8)					
= 177.25 m ³					
Obs 467 = 35 / m ³ R.					20968=0
Obs R. 1449					3573=00

Continuation

Particular	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			A.F.R.	144	93593=
Add 1/2% for	667	41	1/2	for	
			L. less (7)	R.	2753783=0
			R.	17247	376=0.
Details for subgrade fee.-					
(i) - working B. on P.R. - 2.90 km					
			@ R.	1393 = 27/Km	R. 4040=00
(ii) - Reference P.R. - 2.90 km					
			@ R.	590 = 70/Km	R. 1713=00
(iii) - E/W embankment - 4305.03 m ³					
			@ R.	35 = 71/m ³	R. 150747=00
(iv) - G.S. B. grading I - 823.80 m ³					
			@ R.	829 = 05/m ³	R. 682971=00
(v) - W.R. - 2 - 450.13 m ³					
			@ R.	1409 = 23/m ³	R. 634332=00
(vi) - C.L. Pavement - 108.00 m ³					
			@ R.	1019 = 70/m ³	R. 110128=00
(vii) - P.C. m. in open form - 26.27 m ³					
			@ R.	1196 = 54/m ³	R. 31433=00
(viii) - P.C. m. in open form - 124.36 m ³					
			@ R.	1036 = 84/m ³	R. 128917=00
(ix) - 100 mm. deep A.D. P.C. - 7.50 m ³					
			@ R.	2 = 63/m ³	R. 19 = 78
(x) - P.C. m. in open form - 2.61 m ³					
			@ R.	1106 = 21/m ³	R. 2887=00
(xi) - Banks filling behind road - 88.90 m ³					
			@ R.	171 = 98/m ³	R. 15289=00
			C.O.	R.	1761477=00

Continuation

R. 17247376=00

Particular	No.	Details of actual measurement			Contents of area
		I.	II.	III.	
Cont. work of civil works -		Area	17742	374	
		Area	1762	77	
Qty - Reinforcement in structure -			30.06 m ³		
at 1105 = 72/m ³			Rs. 33238=00		
Qty - Reinforcement in super structure -			12.28 m ³		
at 1078 = 72/m ³			Rs. 13185=00		
			Rs. 1808900=00		
Add 10% for S. & F. of					
			Rs. 1808900=00	(+)	Rs. 180890=00
			Rs. 17428266=00		

Less 0.03% as per agreement

(-) Rs. 5228=00

Rs. 17423038=00

15.01/2024

J.E.

15.01/2024

A.E.