

1111- Const. of RCC Bridge from Biran to Belan

Schedule XLV-Form No. 134

Path
Under ABARD.

Abstract

Rural Work Department, Work Div Paper **DIVISION**

RWD Sub Div Non Pur **SUB-DIVISION**

MEASUREMENT BOOK

Agency: - Abhay Kumar Singh

298

5th & final Bill

Measurement

50

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

n/w — Constⁿ of RCC HL Bridge from Lirau to Bela Rd. in Nanpura.

Agency — Ashay Kr. Singh

Date of start — 13/12/2023

Date of comp. — 12/12/2024

Date of Actual completion —

① PCC M15 grade levelling course below approach slab do all-comp. folw —

A₁ side

$$7.500 \times 3.500 \times 0.150 = 3.937 \text{ m}^3$$

A₂ side

$$7.50 \times 3.50 \times 0.150 = 3.937 \text{ m}^3$$

$$7.874 \text{ m}^3$$

$$1 + 7.81 \text{ m}^3$$

② Rein. cement conc approach slab including rein. do all job (RCC/M-30 in Approach slab) —

A₁ side

$$7.500 \times 3.500 \times 0.300 = 7.875 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
① E/w in excavation of foundation of structure do - all jobs Qty TMB Pg (43) — 264.81m ³ @ 186.85/m ³ — 49480.00					
② P/u & laying PCC M-15 L.C. 100mm thick below the fnd Qty TMB Pg (43) — 9.43m ³ @ 8112.12/m ³ — 76497.00					
③ Cement conc. for rein. conc. in Pile cap do - all jobs Qty vide TMB Pg (43) — 159.750m ³ @ 9277.45/m ³ — 1481,887.00					
④ Bored cast in situ M-35 grade RCC pile exchng rein. do all jobs Qty vide TMB Pg (43) — 264m @ 27401.00/m — 7233,864.00					
⑤ supplying, fitting and placing un-coated HYSD Bar rein. do all jobs Qty vide TMB Pg (43) — 38.084MT @ 80182.22/MT — 3053,660.00					
⑥ Dismantling of existing structure like culverts, bridge etc. do all jobs Qty vide TMB Pg (44) — 64.80m ³ @ 1673.70/m ³ — 1,08,456.00					
					2,420,03,844.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑦ Dismantling cement conc. grade do all jobs —					
Qty TMB Pg (44) —					3.60 m ³
@ 639.68/m ³ —					22803-n
⑧ Dismantling Brick/tile work do all jobs —					
Qty TMB Pg (44) —					192.00 m ³
@ 485.08/m ³ —					285,455-n
⑨ Pile load test in vertical initial & routine load test do all jobs —					
Qty TMB Pg (44) —					200 t
@ 300/t —					260,500-n
⑩ Pile load test in vertical lateral load test do all jobs —					
Qty TMB Pg (44) —					30 t
@ 5000/t —					21,50,000-n
⑪ P/V RCC M-30 in sub-structure with conc. do all jobs —					
Qty vide TMB Pg (42) —					102.26 m ³
@ 3403.41/m ³ —					29,61,593-n
⑫ Supplying, fitting and placing HYSD bar reins. in sub-structure					
Qty vide TMB Pg (42) —					14.40 MT
@ 80402.22/MT —					21,28,398-n
					21,44,21,593-n

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(13) Supply, fitting & fixing elastic-meric bearing & seismic pad do all c.p. joles —					
Qty vide TMB Pg(45) —					101143.20
@ 0.91/cucu —					2 32040.00
(14) P/V weepholes in brick masonry plain/Rein conc. abutment do all c.p. joles —					
Qty vide TMB Pg(45) —					48 nos.
@ 159.63/nos. —					2 7662.00
(15) Back filling behind abutment, wing wall and return wall, comp. all joles —					
Qty vide TMB Pg(45) —					31.63 m ³
@ 931.77/m ³ —					2 76,247.00
(16) P/V & laying of filter media with granular materials / stone crushed agg. do all c.p. joles —					
Qty vide TMB Pg(40) —					38.72 m ³
@ 3732.84/m ³ —					2 144,535.00
(17) P/V RCC - M30 in super structure do all c.p. joles —					
Qty vide TMB Pg(40) —					61.20 m ³
@ 9986.20/m ³ —					261177.00
(18) Supplying, fitting and placing 11mm bar reinf. in super structure all joles					
Qty vide TMB Pg(46) —					10.37 MT
@ 82037.22/MT —					2 8,20,720.00

Continuation

7 1,62,03,917.00

B/F ——— 2 1,62,03,377.00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
19) P/V & laying cement conc. wearing coat M-30 grade do-all c.p. joles —					
Qty vide TMB Pg (46) —					3.62 m ³
@ 15087.16/m ³ —					2 1,45,138.00
20) Contn of precast RCC railing M-30 grade, agg. size do-all joles —					
Qty vide TMB Pg (46) —					47 m
@ 2097.60/m —					2 98,587.00
21) P/V drainage spout c.p. do-all c.p. joles, TMB Pg (46) —					10 nos.
@ 1174.00 —					2 11740.00
22) PCC M-15 grade including course below approach slab cap all joles —					
Qty TMB Pg (50) —					7.61 m ³
@ 8538.75/m ³ —					2 64,980.00
23) Rein. cement conc. approach slab including rein. do-all joles —					
Qty TMB Pg (50) —					7.875 m ³
					$\times 2$ = 15.75 m ³
@ 13041.50/m ³ —					2 2,05,403.00
24) P/V & laying of a strip seal expansion joint do-all c.p. joles —					
Qty TMB Pg (51) —					16.90 m
@ 14171.00/m —					2 2,39,490.00
					2 1,69,19,315.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
25) White washing two coats on parapet walls do- all jobs — Qty TMB Pg (51) ————— 51.70 m ² @ 35.34/m ² ————— 2 1827-00					
26) P/V & laying pitching on slopes laid over prepared filter media do- all c.p. jobs — Qty TMB Pg (59) ————— 140.057 m ³ @ 3907.12/m ³ ————— 2 5,47,220-00					
27) P/V & laying filter materials underneath pitching in slopes do- all c.p. jobs — Qty TMB Pg (58) ————— 62.80 m ³ @ 4136.84/m ³ ————— 2 2,59,794-00					
28) Const ⁿ of embankment with app. material obtained do- all jobs — Qty TMB Pg (47) ————— 281.71 m ³ @ 263.89/m ³ ————— 7 76,980-00					
29) Const ⁿ of GSB Grs- B by providing in uniform layers do- all jobs — Qty TMB Pg (47) ————— 9.38 m ³ @ 3282.50/m ³ ————— 2 30884-00					
30) Laying rein. cement conc pipe R/P 4 do- all jobs — Qty TMB Pg (3) ————— 22.50 m @ 7442.36/m ————— 1 67,453-00					

Continuation 21,80,53,473-00

B/F ————— 2 1,80,53,43 =

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
31) Carrying out the confirmatory boring for soil do - all jobs Qty TMA Pg (47) ——— 2 nos. @ 1,00,000/nos. ——— 2 2,00,000 =					
32) Const ⁿ of embank. with app. material do - all jobs — Qty TMA Pg (32) ——— 3564.44 m ³ @ 263.89/m ³ ——— 2 9,40,620 =					
33) Granular sub - base Cr-I material, spreading in uniform layer do - all jobs — Qty TMA Pg (33) ——— 183.325 m ³ @ 3292.50/m ³ ——— 2 6,03,538 =					
34) P/v 75 mm thick WBM - III including all leads and lifts do - all jobs — Qty TMA Pg (54) ——— 69.893 m ³ @ 5269.27/m ³ ——— 2 3,68,285 =					
35) P/v and applying primer coat with bitumen emulsion do - all jobs Qty TMA Pg (36) ——— 937.50 m ² @ 58.12/m ² ——— 2 54,488 =					
36) P/v & applying tack coat with bitumen emulsion do - all jobs Qty TMA Pg (36) ——— 937.50 m ² @ 19.91/m ² ——— 2 18,666 =					

Continuation

2 2,02,39,150 =

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
37) P/V, laying and rolling of close graded pre-mix surface of 20 mm do-all c.p. jobs — Qty TMB Pg (56) — 937.50 m ² @ 278.46/m ² — 261056=00					
38) Metal beam crash barrier Type A, 'W' metal crash barrier do-all jobs — Qty TMB Pg (57) — 196 m @ 3502.42/m — 6,86,474=00					
39) P/V & fixing of Rd studs 100 mm x 100 mm dia. cast in aluminium resistant do-all jobs — Qty TMB Pg (57) — 100 nos. @ 294.49/nos. — 29449=00					
40) P/V & laying of hot applied thermoplastic comp. 25 mm thick do-all c.p. jobs — Qty TMB Pg (56) — 39.4 m ² @ 886.46/m ² — 34,927=00					
41) P/V & fixing of R/R caution, mandatory and informative sign (i) 600 mm eqi. & triangle Qty TMB Pg (57) — 02 nos. @ 4535.70/nos. — 9071=00 (ii) 600 mm circular, Qty Pg (57) — also @ 4408.72/nos. — 4409=00					

Continuation

22,12,64,516=00

