Const of H.L. R.C.C. Bridge at Gangwara 3191

Schedule XLV-Form No. 134

VOL-2

Darbhanga-I DIVISION

Darbhanga SUB-DIVISION

MEASUREMENT BOOK NO 3191

Sri Ram Naresh Ray

Construction of H.L.R.C.C. Bridge (3x18.75 M Effective span) at Gangwara in place of S.P. Bridge in Darbhanga under NABARD

Name of Work -
Situation of work -
Agency by which work is executed - Sri Ram Naresh Roy
Date of measurement - at Tham Kalyanpur
No. and date of agreement - Samastipur
(These four lines should be repeated at the commencement of the measurements relating to each work).

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Agr	No-	61/	SBD/	15-16	
Agr. value		288	01385	Lakh	
Record Measurement of					
Reinforcement of one span (west side)					
Date of measurement 02.11.17					
End Girder Beam (2 Nos)					
Measurement for one No					
28 mm φ (Bottom)					
1x	8 Nos x	(19.30m+1.40m)m			= 165.60 M
28 mm φ (Bottom)					
1x	8 Nos x	(19.10m+1.40m)m		=	164.00 M
28 mm φ (crank)					
1x	2 x	(19.30m+1.40m)m		=	41.40 M
1x	2 x	(19.30m M+1.40m)m		=	41.40 M
1x	2 x	(20.70m - 2x1.150) M		=	36.80 M
1x	2 x	(20.70m - 2x2x1.150) M		=	32.20 M
1x	2 x	(20.70 - 3x2x1.150) M		=	27.60 M
			Total	=	453.80 M
for 2 Nos =	2 x	453.80 M =		907.60 M	
	@	4.834 kg/m		→	4383.70 kg.
Bottle Ring -					
10 mm φ - 1x65 x 1.560 M = 101.40 M					
Stirrups -					
10 mm φ - 1x 46 x 3.950 M =					181.70 M
				Total =	283.10 M

Continuation

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

ABSTRACT OF COST

(1) Dismantling and Taking down c.c.p. (Deck slab) by mechanical means —
Qty. 124.42 M³ — P/88 in M.B. No. — (3190)
@ 1230.15/M³ — Rs 153117=00

(2) Dismantling and Taking down from component —
Qty. 35.603 M.T. — P/88 to M.B. No. (3190)
@ 7100.00/M.T. — Rs 252781=00

(3) [illegible]
to various places —
Qty. 918.15 M.T. — P/89 in M.B. No. — (3190)
@ 33.44 each — Rs 30703=00

(4) Dismantling and Taking down 8 mm to 12 mm the joint plate — —
Qty. 7.56 M² — P/89 (3190)
@ 40.87/M² — Rs 309=00

(5) Dismantling and Taking down 125 mm dia M.S. pile —
Qty. 4.578 M.T. — P/89 and M.B. — (3190)
@ 7100.10/M.T. — Rs 32504=00

c/o Rs 469414=00

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F		
(6.) Removing & stacking useful materials on C.M. and disposal — all complete job					
Qty. 535.25 M³ as per N.B. No.	—	—	P/90	(3190)	
Qty. 535.25 M³ as per N.B. No.	—	—	P/90	(3190)	
@ 291.92/M³				— Rs	156250=
(7.) 2 clearing and grubbing of road land — sft					
Qty 1.008 Hect	—	—	P/9	(3190)	
@ 379479.25 Hect				— Rs	382602=
Soil in leveling and dressing — all complete job					
Qty. 930.85 M³	—	—	P/90	(3190)	
@ 94.94/M³				— Rs	88375=
(9.) 4 providing and constructing Temporary Plant — all complete job					
Qty. 2.00 No	—	—	P/90	(3190)	
@ 292301.57 each				— Rs	584602=
(10/5) providing and constructing of one span Service road — all complete job					
Qty. 54.00 M	—	—	P/91	(3190)	
@ 3028.99/M				— Rs	163565=
				Rs	1500208=

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) providing bored cast in situ M35 grade piles 1200 mm ϕ —— all complete					
Qty 499.992 M —— P/91 (3190)					
@ 15799.68/M —— Rs					7899713=
(12) Dismantling of existing structure —— all complete					
Qty 20.364 M³ —— P/91 (3190 MB)					
@ 888.80/M³ —— Rs					18100=00
(13/8) providing and Laying 1 : 3 : 6 c.c. M15 for levelling course 100 mm ... all complete					
Qty. 19.209 M³ —— P/91 (3190)					
@ 5779.66/M³ —— Rs					111021=00
(14) providing R.C.C M25 in pile cap —— all complete					
Qty 432.214 M³ —— P/91 (3190)					
@ 7115.86/M³ —— Rs					3075358=00
(15) S/F/F and placing HYSD bar reinforcement in found —— all complete					
Qty 74.491 M.T. —— P/91 (3190)					
@ 59550.62/M.T. —— Rs					4435985=00
(16) providing R.C.C. M30 in Abutment & pier shaft —— all complete job up to S. C/R					
Qty 96.58 M³ —— P/92 (3190)					726674=00
1.926 M³ @ 7376.93/M³ —— Rs					~~712468=00~~
98.506 M³					

C.O. Rs 17767059=

Continuation vide M.B. No. 3190 and P/92 — (11)

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/P —		
(17/19) providing R.C.C. M20 in Abutment shaft cap and pier shaft cap all complete jw. upto 5.00 m to 10.00 m height					
Qty. 47.596 M³				P/92 (3190)	
@ 7524.37/M³					Rs 358940=
(18.) S.D.P. Elastomeric Bearing 13 and Seismic pad — all complete jw.					
Qty [illegible]				P/92 (3190)	
@ 1101/cm³					Rs 971539=20
(19.) Supplying fitting and placing 1+y.S.D Bar reinforcement in Sub-structure — all complete jw.					
Qty 12.37241 MT.				P/95 (3190)	
@ 59683.74/MT.					Rs 738166=
(20/19) providing R.C.C. M20 in Super structure — all complete jw					
Qty 227.95 M³				P/93 (3190)	
@ 8054.91/M³					Rs 1836117=9
(21/20) providing 1491 x 1648 in all types of R.C.C work in super structure — all complete jw.					
Qty. 35.68 M.T.				P/93 (3190)	
@ 60584.86/M.T.					Rs 2161668=

Continuation

C/o. Rs 238,32489=

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				P/A —	
(22/22) construction of R.C.C. M30 Railing — all complete job					
Qty. 131.76 M — P/94 (3190)					
@ 1568.75/M — Rs 206748=					
(23/24) providing and laying of strip seal expansion joint catering to maximum horizontal movement — all complete job					
Qty 35.14 M — P/94 (3190)					
(24/14) providing weep holes — all complete job					
Qty. 40 no — P/96 (3190)					
@ 131.49 each — Rs 5260=00					
(25/16) Back filling behind Abutment wing wall and returning wall — all complete job					
Qty. 250.30 m³ — P/96 (3190)					
@ 689.36/m³ — Rs 172546=00					
(26/17) providing filter media with 400 [illegible] [illegible] all complete job					
Qty. 27.00 m³ — P/96 (3190)					
@ 3261.44/m³ — Rs 88059=00					

co Rs 247,27413=00

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/P —		
27/13 provid-ing M30 concrete in Seismic Belt with stone aggregate — all complete job					
Qty, 3.694 m³				P/qty (2130)	
@ 8054.91/m³					Rs 29755=00
28/21 providing & Layin[g] cement Concrete weatherproof coat M30 — all complete					
Qty, 37.13 m²				P/qty (3130)	
@ 112.94.45/m²					Rs 4192.05=
29/24 providing P.C.C. M15 Beds Cement — (Levelling course) below approach Slab — all complete job.					
Qty 8.262 m³				P/qty (3100)	
@ 6024.08/m³					Rs 49771=00
30/25 providing R.C.C. M30 Concrete in approach Slab — all complete job					
Qty, 16.524 m³				P/qty (3100)	
@ 9902.05/m³					Rs 163737=
31/29 providing and applying two coats of water based cement paint — all complete job					
Qty 977.15 m²				P/qty (3100)	
@ 96.96/m²					Rs 94744=
				Co.	Rs 254,88225=

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B/F —		
(32/31) Laying Reinforced Cement concrete ... pipe NP4 reinforced concrete pipe — all complete					
In diversion road					
Ey. 10 rm				P/98 (MB N 3190)	
	@ 7965.83/m				Rs 79658=
(33/35) Construction of road embankment material obtained from borrow pits with lead lifts — all complete					
Ey. ...				P/8	
				...	
1857.14 M³					
	@ 161.70/M³				Rs 300300=00
(34/36) Construction of Granular Sub base with well graded material — all complete job					
Ey 102.62 M³				P/98 In MB.N 3190	
71.25 M³ — T.M.A.				P/6	
173.87 M³					
	@ 2190.17/M³				Rs 380805=
(35/37) providing WBM-II material — all complete job					
Ey. 46.59 M³				P/99 (MBN 3190)	
	@ 4078.48/M³				Rs 190016.29

C.O. Rs 2643900.4=

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B/F.	
(36/38) providing Laying, spreading and compacting GSBM-III materials — all complete job					
Qty. 46.59 m³ — P/99					
[vide M.B.-3190]					
@ 3905.78/m³ —					Rs 181970=00
(37/39) providing and applying primer coat (SS-1) — all complete job					
Qty. [illegible] m² — P/99					
@ 40.04/m² —					Rs 29753=00
(38/40) providing and applying Tack coat (RS-1) — all complete job					
Qty. 743.08 m² — P/99					
[743.M.B.-3190]					
@ 14.31/m² —					Rs 10633=00
(39/41) providing and applying Tack coat. 20 mm thick premix carpet — all complete job					
Qty. 743.08 m² — P/99					
vide M.B. (3190)					
@ 184.07/m² —					Rs 136779=

C/O. Rs 267,98,139=

Continuation

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

(40/42) providing and laying Seal coat type 'B') —all complete job.

Qty. 743.08 m² ——— P/100

(vide M.B. No-3190)

@ 53.04/m² ——— Rs 39413=

(41/43) Road marking with Hot applied Thermo-plastic compound with Reflectorising Glass Beads —all complete job.

Qty. 21.24 m² ——— P/100

(vide M.B. No-3190)

@ 829.21/m² ——— Rs 17612=

(42/44) providing R.C.C. M15 Grade Boundary pillar

Qty. 102.0 Nos ——— (P/7)

@ 484.35/no ——— Rs 49404=

(43/22) providing drainage spout —all complete.

Qty. 12.0 Nos ——— P/7

@ 904.94 each ——— Rs 10860=

(44/32) providing and laying boulder boulder apron on river bed —all complete job

C.o. Rs 269154982=0
Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B/F	—	
By 108.60 M³		—	—	P/8	
	@ 3128.15/m³			—	Rs 339717=
45 ~~53~~ providing and laying pitching on slopes laid over prepared filter media — cu complete job					
By 79.72 M³		—	—	P/8	
	@ 3128.15/m³			—	Rs 249376=
46 ~~54~~ providing and laying pitching on slopes — cu complete job					
By 39.63 M³		—	—	P/9	
	@ 3321.06/m³			—	Rs 131614=00
					Rs 2763135=
Less 10% as per agreement —					(-) Rs 276313=
					Rs 2487,522=
Less previous payment vide M.B. No (3190) and Page No (94,95)					(-) Rs 2136,2300=
					Rs 3510,222=00

work has been completed.

Sd/- 12.11.20 J.E

Sd/- 12.11.20 J.E

Continuation