Sch. XLV-Form No.134 36

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	3rd. on A/C Bill.				
	Record Measurement				
N/W:-	Const. of H.L. bridge in				
	Nankar of Parlauni Kapoor				
	Panchayat to Monkoraha Phena				
	hara Rd. State Scheme 4515				
	(HABARD).				
Agency -	M/S Uttar Bihar Const. Company				
	C/O - Sanjay Kumar.				
	Sports Club Rd. Chhatauni,				
	Motihari, E. Champaran.				
Block -	Patahi.				
Agr. No. -	21 SBD/2023-24.				
Const. cost -	RS. 5034797=00				
Date of start -	20.12.2023.				
Date of completion -	19.12.2025				
1. Pw.	Pile load test				
	Pile - dia-BII.				
(a)	1	x 180	x 2.50	= 450.00 MT.	
	1	x 180	x 1.50	= 270.00 "	
				720.00 MT.	
(b)	Lateral load test -				
	1	x 190	x 0.80	= 24.00 MT.	

4.3.24.
J.E.

4/3/24
AE

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1. Dismantling of R.C.C. Pile head for Abut.					
	A_2 - do - do - E/I.				
	1	8.10	1.131	0.60	= 5.428 M
2. P/N. ∞ laying of P.C.C. M15 in leveling course in					
Pile cap P_2	- do - E/I.				
	1	12.60	5.40	0.15	= 10.206 M³
~~3. P/N leveling of P.C.C. M15~~					
3. S/F ∞ Placing HYSD bar in	Pile cap in				
	A_b A_2 in footing - do - E/F.				
16mm ⌀ -	98	x 7.950 M			
	@ 1.58 Kg/M				= 1230.978 Kg.
20mm ⌀ -	40	x 15.15 M			
	@ 2.47 Kg/M				= 1496.82 Kg. + 1924.377 Kg.
	98	x 7.95 M			
	@ 2.47 Kg/M				= 1924.377 Kg.
16 ⌀ -	24	x 4.90 M			
	@ 1.58 Kg/M				= 159.264 Kg.
	12	x 13.15 M			
	@ 1.58 Kg/M				= 249.324 Kg.
	12	x 5.95 M			
	@ 1.58 Kg/M				= 112.812 Kg.
					T = 6131.055 Kg.
					or, 6.131 MT.

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
4. S/F & placing HYSD bar in reinforcement A/c Shaft & R. Wall in cube — do — do — F/I.					
Aq. Shaft -					
25mm ϕ -	86 x	4.823 m			
	@ 3.85 Kg/m =	1600.206 Kg.			
20mm ϕ -	68 x	4.833 m			
	@ 2.47 Kg/m =	811.750 Kg.			
12mm ϕ -	20 x	10.55 m			
	@ 0.89 Kg/m =	187.79 Kg.			
10mm ϕ -	216 x	1.30 m			
	@ 0.62 Kg x 1m =	174.096 Kg.			
Return wall -					
12mm ϕ -	2x19 x	4.53 m			
	@ 0.89 Kg/m =	153.204 Kg.			
	2x19 x	4.53 m			
	@ 0.89 Kg/m =	153.204 Kg.			
16mm ϕ -	2x53 x	5.565 m			
	@ 1.58 Kg/m =	1019.953 Kg.			
12mm ϕ -	2x170 x	5.84 m			
	@ 0.89 Kg/m =	176.718 Kg.			
	2x170 x	5.84 m			
	@ 0.89 Kg/m =	176.718 Kg.			
16mm ϕ -	2x400 x	5.565 m			
	@ 1.58 Kg/m =	70.341 Kg.			
			T =	4523.98 Kg.	
			~~4.594 MT~~		

Continuation

4.540 MT.

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
5. P/W. on laying R.C.C. M35 grade in pile cap for Ab			— do — E/I.		
	1	x 12.32	x 5.10	x 1.80 =	112.914 m³
9.3.24. J.E.					
1. Dismantling of R.C.C. Pile Head in pier P2 — do — E/I.	1	x 6.60	x 1.13	x 0.60 =	4.07 m³
2. P/W. on laying P.C.C. M15 in leveling course in Pile cap for Pier P2 — do — do — E/I.	1	x 9.90	x 5.40	x 0.15 =	7.29 m³
3. S/F on placing HYSD bar in reinforcement pile cap for pier P2 in Foundn. — do — E/I.					
16 mm Φ	69	x 7.95 m			
		@ 1.58 Kg/m =			866.709 Kg.
	41	x 11.55 m			
		@ 1.58 Kg/m =			748.209 "
20 mm Φ	69	x 7.95 m			
		@ 2.47 Kg/m =			1354.918 "
	41	x 11.55			
		@ 2.47 Kg/m =			1169.668 "

Continuation

Sch. XLV-Form No.134 40

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
16 mm Φ -		16 x	4.20 m		
		@ 1.58 kg/m	= 106.176 kg.		
	12 Nos.	x 9.55 m			
	@ 1.58 kg/m	= 181.068 kg			
	12 Nos.	x 5.90 m			
	@ 1.58 kg/m	= 112.812 "			
			T - 4539.56 kg.		
			or, 4.54 MT.		
4. S/F & Placing HYSD bar in reinforcement pier shaft for pier P_2 - do - do - E/I.					
25 mm Φ -	43 Nos.	x 5.93 m			
	@ 3.85 kg/m	= 981.711 kg.			
12 Φ -	6 x	5.58 m			
	@ 0.89 kg/m	= 29.797 "			
			T - 1011.508 kg.		
			or 1.012 MT.		
5. P/V. & laying R.C.C. M35 grade in Pile cap for pier P_2 - do - E/I.					
1 x	8.70	x 5.10	x 1.80	= 79.866 m^3	

14.3.24.
J.E.

14/3/24
AE

Continuation

Sch. XLV-Form No.134 41

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1.) Dismantaling of R.C.C. pile head for pile P_1					
—do— do — E/I.					
	1 x	6.10 x	1.131 x	0.60 =	4.07 m^3
(2.) P/W. on laying P.C.C M15 in leveling course in					
pile cap pier — P_1 —do— E/I.					
	1 x	9.10 x	5.40 x	0.15 =	7.29 m^3
(3.) S/F on placing HYSD					
bar in pier found pile					
cap pier P_1 —do— E/I.					
16mm ϕ —	69 NOS. x	7.95 m			
	@ 1.58 Kg/m	= 866.709 Kg.			
	41 NOS. x	11.55 m.			
	@ 1.58 Kg/m	= 748.209 Kg.			
20mm ϕ —	69 NOS. x	7.95 m.			
	@ 2.47 Kg/m	= 1354.918 "			
	41 NOS. x	11.55 m			
	@ 2.47 Kg/m	= 1149.668 "			
16mm ϕ —	16 NOS. x	4.20 m			
	@ 1.58 Kg/m	= 106.176 Kg.			
	12 NOS. x	9.55 m			
	@ 1.58 Kg/m	= 181.068 "			
12 ϕ —	12 NOS x	5.95 m			
	@ 0.89 Kg/m	= 112.812 "			
			T =	4539.569 Kg.	
			or,	4.540 MT.	

Continuation

Sch. XLV-Form No.134

42

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) S/F and placing HYSD bar in reinforcement in pier shaft for pier P_1 – do – E/I.					
25 mm ϕ –	43	x 5.93m.			
@ 3.85 Kg/m = 981.711 Kg.					
12 mm ϕ –	6	x 5.58m			
@ 0.89 Kg/m = 29.797 "					
				T = 1011.508 Kg	
				or 1.012 MT.	
(5) P/V. co laying R.C.C. M35 grade in pile cap for pier P_2 – do – E/I.					
	1	x 8.70	x 5.10	x 1.80 = 79.866 m^3	

19.3.24.
J.E.

19/3/24
AE

(1) Dismantling of R.C.C. Pile head for Ab- A_1

1 x 8.40 x 1.131 x 0.600 = 5.428 m^3

(2) P/V. co laying M15 P.C.C. in leveling course in pile cap for Ab - A_1

1 x 12.60 x 5.40 x 0.15 = 10.206 m^3

(3) S/F co placing HYSD bar in reinforcement Abut. cap in Ab - A_1 – do – – do – E/I.

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
16 mm Φ -	98 Nos.	x 7.95 m			
	@ 1.58 Kg/m	= 1230.978 Kg.			
	40 Nos.	x 15.15 m			
	@ 1.58 Kg/m	= 957.48 Kg.			
20 mm Φ -	98 No	x 7.95 m			
	@ 2.47 Kg/m	= 1924.377 Kg			
	40 Nos	x 15.15 m			
	@ 2.47 Kg/m	= 1496.82 "			
16 mm Φ -	24 Nos	x 4.20 m			
	@ 1.58 Kg/m	= 159.26 "			
	12 Nos.	x 13.15 m			
	@ 1.58 Kg/m	= 249.324 "			
	12 Nos.	x 5.95 m			
	@ 1.58 Kg/m	= 112.812 "			
			T - 6131.055 Kg.		
			or 6.131 MT.		

4. S/F on Placing HYSD bar in reinforcement for Abut. A, Shaft in Sub-Struc. - c/o-E/I.

Ab. A, Shaft -

25 mm Φ -	86	x 4.833 m			
	@ 3.85 Kg/m	= 1600.206			
20 mm Φ -	68	x 4.833 m			
	@ 2.47 Kg/m	= 811.75 Kg.			
12 Φ -	20	x 10.55 m			
	@ 0.89 Kg/m	= 187.79 Kg.			

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10Φ -	216	x 1.300m			
	@ 0.62Kg/m	=	174.096 Kg.		
Return wall -					
12mm Φ -	2x19 Nos.	x 4.53m			
	@ 0.89Kg/m	=	153.20 Kg.		
	2x19 Nos.	x 4.53m			
	@ 0.89Kg/m	=	153.20 Kg.		
~~Return wall -~~					
~~12mm Φ - 2x 19 Nos. x~~					
16mm Φ -	2x58	x 5.565 m.			
	@ 1.58Kg/m	=	1019.953 "		
12Φ -	2x17 Nos.	x 5.84 m.			
	@ 0.89Kg/m	=	176.718 Kg.		
	2x17 Nos.	x 5.84 m			
	@ 0.89Kg/m	=	176.718 "		
16mm Φ -	2x4	x 5.565 m			
	@ 1.58Kg/m	=	70.341 "		
		T -	4.524 MT.		
5. P/V. on laying R.C.C. M35 grade in Pile Cap for the Ab - A,					
1x1	2.30	x 5.10	x 1.80	=	112.914 m^3

24.3.24.
J.E.

24/3/24
AE

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1. P/V. ∞ laying R.C.C. M30 grade in Ab. A2 Shaft – do – E II.					
Ab Shaft	1	8.45	1.20	1.239	= 12.502 m³
R/wall	2	3.50	1.299	0.600	= 5.178 "
				T	= 17.68 m³

4.5.24. J.E.

4/5/24 AC

(1) P/V. ∞ laying of R.C.C. M30 grade in Pier P2 Shaft – do – do – E/I

1 × 0.7857 × (1.8)² × 0.733 = 1.865 m³

7.5.24. J.E.

7/5/24 AC

(1) P/V. ∞ laying R.C.C. M30 grade in Pier P1 Shaft – do – do – E/I.

1 × 0.7857 × (1.8)² × 0.733 = 1.865 m³

11.5.24. J.E.

11/5/24 AC

(1) P/V ∞ laying R.C.C. M30 in Ab – A1 Shaft ∞ R/wall – do – E/I.

Ab-Shaft	1	8.45	1.20	1.233	= 12.502 m³
R/W.	2	3.50	1.233	0.600	= 5.178 "

Continuation 17.68 m³

15.5.24. J.E.

15/5/24 AC

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		Abstract of cost.			
(1)	E/W. in exca. in found. &c.				
	— do — do — E/I.				
	Qty. vide T.M.B.P. No. — (32),				
	531.47 m^3 @ 205 = 54/m^3 — Rs. 109238 = 00				
(2)	P/W. Service Rak. — do — E/I.				
	Qty. vide T.M.B.P. No. — (32),				
	60.87 m @ 4378 = 01/m — Rs. 266489 = 00				
(3)	Const. of embankment with approved material — do — E/I.				
	Qty. vide T.M.B.P. No. — (32),				
	581.95 m^3 @ 211 = 55/m^3 — Rs. 122847 = 00				
(4)	P/W. laying R.C.C. NP3 H.P. —				
	— do — do — E/I.				
	Qty. vide T.M.B.P. No. — (32),				
	45.40 m @ 1842 = 10/m — Rs. 366395 = 00				
(5)	Const. of C.S.B. with by-wall packed material — do — E/I.				
	Qty. vide T.M.B.P. No. — (32),				
	28.12 m^3 @ 4004 = 96/m^3 — Rs. 112535 = 00				
(6)	S/F and placing HYSD bar in found. &c. — do — do — E/I.				
	Qty. vide T.M.B.P. No. — (33),				
				— 63.292 m^3	
	,, ,,	,,	,, — (37)	— 6.131 ,,	
	,, ,,	,,	,, — (38)	— 4.540 ,,	
	,, ,,	,,	,, — (40)	— 4.546 ,,	
	,, ,,	,,	,, — (43)	— 6.131 ,,	
			84.634 MT.		
	limit — 84.63 MT. @ 77933 = 36/MT — Rs. 3045540 = 00				

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(7/3) PIV. steel liner 6mm thick					
HYSD -do- E/I.					
Qty. vide T.M.B.P.No - (33),					
24.150 MT @ 10670 = 85/MT Rs. 2576955 = 00					
(8/4) Barrel cost in site M35					
grade R.C.C. Pile -do- E/I.					
Qty. vide T.M.B.P.No. - (33),					
584.00 M. @ 18506 = 111/M Rs. 10807568 = 00					
(9) Dismantling of R.C.C. Pile					
head for Ab. Piers -do- E/I.					
Qty. vide T.M.B.P.No (37)			5.428	M^3	
" " " (38)			4.070	"	
" " " (41)			4.07	"	
" " " (42)			5.428	"	
			18.996	M^3	
@ 1588 = 93/M^3 Rs. 30183 = 00					
(10) PIV. of laying P.C.C. M15 in					
leveling course -do- E/I.					
Qty. vide T.M.B.P.No (37)			7.29	M^3	
" " " (38)			10.206	"	
" " " (41)			7.290	"	
" " (42)			10.206	"	
			34.992	M^3	
limit 34.99 M^3 @ 7807 = 07/M^3 Rs 273169 = 00					
(11) PIV. of laying R.C.C. M35 grade					
in pile cap for Ab + Piers -do- E/I.					
Qty. vide T.M.B.P.No. (39)			112.914	M^3	
" " " (40)			79.866	"	
C.O.Qty			192.78	M^3	

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B.F. Qty.		192.78 m³	
Qty. vide T.M. B.P. No.	(42)			79.866 "	
" " "	(44)			112.918 "	
				385.56 m³	
@ 3188-35/m³				Rs. 3542892=00	
(12) S/F & placing HYSD bar in Ab + Pier shaft, R/I wall in Sub-Structure - do - E/I.					
Qty. vide T.M. B.P. No.	(41)			4.524 MT.	
" " "	(40)			1.012 "	
" " "	(42)			1.012 "	
" " "	(44)			4.524 "	
				11.072 MT.	
@ 78155=23/MT.				Rs. 865385=00	
(13) P/V R.C.C. M30 in Ab + Shaft + R/I wall & pier shaft - do - E/I.					
Qty. vide T.M. B.P. No.	(45)			17.680 m³	
" " " "	(45)			1.865 "	
" " " "	(45)			1.865 "	
" " " "	(45)			17.680 "	
				39.680 m³	
@ 9511=15/m³				Rs. 371791=00	
(14) P/V pile cased on site vertical pile - do - E/I.					
Qty. vide T.M. B.P. No.	(36),				
720.00 MT. @ 300=00/MT.				Rs. 216000=00	
(15) Lateral load test - do - E/I.					
Qty. vide T.M. B.P. No.	(36),				

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
24.00 MT. @ 5000=00/MT.					RS. 1,20,000=00
					RS. 263789 37=00
Add.- G.S.T.- 18%					RS 47478 09=00
Add- L. Cess- 1%					RS. 2637 89=00
Add.- S. Fee					RS. 1564 15=00
					RS. 315449 70=00
Less- 0.11% below					(-) RS. 346 99=00
					RS 315102 71=00
Less previous payment vide					
This M.B.P. No. -				(21)	- RS. 28,00,000=00
" " " -				(35)	(-) RS 20249 892=00
					RS 84,60,379=00

18.5.24. J.E.

15/5/24 AE

Material statement

Steel - 32.414 MT.

Stone metal chips - 397.940 M^3

Course sand - 198.970 "

Cement - 154.754 MT.

18.5.24. J.E.

15/5/24 AE