Executive Engineer
R&B Works Division

Sch. XLV - Form No. 134

PAKRIDAYAL DIVISION

PATAHI SUB-DIVISION

Measurement Book

No.
1406

Name_____

_____

Date of first entry_____

Date of last entry_____

1st on Acc Bill.

Name of Work- : 1
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 measurement relating to each work.

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
N/W :-	Constn of 4 L RCC Body in				
	Patahi Jhanda chowk to Sype-				
	bipar road in kodanja village.				
	Under State scheme. 4515				
	(NABARD)				
Block -	Patahi				
Agency -	M/s Kymer Construction Co.				
	C/o Surendra Kymer.				
	Chairman of Thar				
	E-Champaran.				
Agreement No -	20 SRA) 2023-24				
Constn cost -	Rs. 6 00 39 709 /-				
Maint cost -	Rs 9 54 538 /-				
Date of work order -	15.12.2023				
Date of completion -	14.12.2025				
	Providing				
1	Constn of embankment				
	with approved material				
	obtained from borrow pits				
	4 x 20.0 x	(5.50+9.50)/2	x 1.00	=	600.0
				T	600.0 cft
		20.12.23.			
20.12.23.					
J.E.					

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2.	P/r & laying of RCC NP3				
	1000 mm dia H.P				
	8 x 3 x 2.50			=	60.0
				T	60.00 Rm.
3.	Constn of GSB Grid by				
	Well graded Material				
	4 x 20.00 x 3.75 x 0.100 =				30.00
				T	30.00 m³
25.12.23. J.E.		25.12.23. A.E.			
4.	P/r and constructing				
	one span Scrivens D.				
	as directed				
	4 x 17.12			=	68.48
				T	68.48 Rm.
28.12.23. J.E.		28.12.23. A.E.			
5.	E/W in excavation				
	of foundation				
Ab. 1&2	2 x 12.90 x 5.70 x 2.100 =				308.83
Pier 1,2&3	3 x 9.30 x 5.70 x 2.100 =				333.96
				T	642.79 m³
29.12.23. J.E.		29.12.23. A.E.			

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1. Supply of High yield Plain HYSD bar reinforcement as per drawing.					
Abt:- A2 Pile - 2					
25mm Φ	22 x 23.480 m				
	@ 3.85 kg/m			=	1988.756 kg
8mm Φ	140 x 3.460 m				
	@ 0.400 kg/m			=	193.760 kg
20mm Φ	11 Nos x 3.580 m				
	@ 2.470 kg/m			=	96.182 kg
				T	2278.698 kg
	Add 5% wastage etc				113.935
				T	2392.633 kg
				or.	2 3934 T
3. PIV bored cast in situ RCC M35 Fc					
1 x	21.00 m.			=	21.00
				T	21.00 RM.
31.12.23 J.E.	31.12.23 A.E.				
Ab. A2. Pile 2					
1. Supply & fixing					
Plain HYSD bar reinforcement as per drawing					
25mm Φ	22 nos x 23.480 m				
	@ 3.850 kg/m			=	1988.756

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
8 mm φ -	140 Nos ×	3.460 m			
		@ 0.400 kg/m		=	193.760
20 mm φ	11 Nos	3.540 m			
		@ 2.470 kg/m		=	96.182
				T	2278.698
	Add 5% wastage & lap			@	113.935
				T	2392.633 kg
				or,	2.393 T
2.	P/V Ground cont. in situ				
	Ace 7.35			Rs	
	1 × 21.00			=	21.00
				T	21.00 Rm.
	Amt		Amt		
	2.1.24.		2.1.24.		
	J.E.		A.E.		
	Date				
Ab.	A2 - bill. 3				
1.	Supply, bdg and				
	placing HYSD bar rein				
	for 1. a/m				
25 mm φ	22 × 23.489 m				
	@ 3.858 kg/m			=	1988.756
8 mm φ	140 × 3.460 m				
	@ 0.400 kg/m			=	193.760
20 mm φ	11 × 3.540 m.				
	@ 2.470 kg/m			=	96.182
					2278.698
				T	2392.633 kg.
				+	113.935
				or,	2.393 T

Continuation

Add 5% wastage

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2.	PIV	bored cast in			
	situ	ace ment			
	1	× 21.00		=	21.00
				T	21.00 M.
Ab. No - Pile 4					
3.	Supply	fitting a	Plug		
	Hysis	bar weight	1.		
	as per				
25 mm Φ -	22	× 23.480 M.			
	@	3.850 kg/M		=	1988.186
8 mm Φ	140	× 3.460 M			
	@	0.900 kg/M		=	193.760
20 mm Φ	11	× 3.540 M			
	@	2.470 kg/M		=	96182
					2278.698
				T	2392.633
	Sp. Wastage			@	113.935
				or.	2.393 MT
2.	PIV	bored	cast	in	
	situ	ace ment	35		
	1	× 21.00		=	21.00
				T	21.00 M.
3.1.94.		3.1.94.			
J.E.		A.E.			

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
D+L -					
Ab. A2	Pile. 5				
1. Supplying fitting &					
Placing HYSD Bar in					
reinforcement and be					
25 mm ϕ	22 x 23.480 M				
	@ 3.850 kg/M			=	1988.756
8 mm ϕ	140 x 3.480 M				
	@ 0.400 kg/M			=	193.760
20 mm ϕ	11 x 3.540 M				
	@ 2.470 kg M			=	96.182
					2228.698
				T	2378.643
	Add 5% wastage				113.722
				T	2392.633 kg
				∴	2.393 MT
2. PIV board cast in					
situ Pile No 35					
1 x 21.0				=	21.0
				T	21.0 M
4.1.24 JE		4.1.24 A.E.			
Ab. A2 Pile. 6					
3. Supply, fitting &					
Placing HYSD bar in					
reinforcement appro				—	
25 mm ϕ	22 x 23.480 M				
	@ 3.850 kg/M			=	1988.756

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
8 mm φ -	140 x 3.460 m				
		@ 0.400 kg/m		=	193.760
20 mm φ	11 x 3.540 m				
		@ 2.470 kg/m		=	96.182
				T	2278.698
Add 5% Wastage & lap.				(+)	113.935
				T	2392.633 kg
				or.	2.393 MT
2 Pin Broadcast inside					
	Ace 17.35 as per				
	1 x 21.0			=	21.00
				T	21.00 m
5.1.94 J.E.			5.1.94 A.E.		
Ok -					
Ab. A2 - Pile - 7					
1. Supply fitting and placing					
	HYSD bar in position				
	as per				
25 mm φ -	22 x 23.480				
		@ 3.850 kg/m		=	1988.756
8 mm φ	140 x 3.460 m				
		@ 0.400 kg/m		=	193.760
20 mm φ	11 x 3.540 m				
		@ 2.470 kg/m		=	96.182

Continuation

T 2278.698

P.T.O

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				2278.698 kg.	
Add 5% wastage & lapp				113.935 kg	
				T 2392.633 kg	
				or. 2.393 MT	
2. PIV Board cost in situ					
Acc No 35					
	1 x	21.0		=	21.00
				T	21.0 M.
6.1.24.					
J.E.		6.1.24.			
A2 - Pile 8		A.E.			
1. Supply & Hyd of Plain HYSD bar in as per approved drawing					
25 mm ϕ	22 x	23.480 M			
	③	3.850 kg/M		=	1988.756
8 mm ϕ	140 x	3.460 M			
	③	0.400 kg/M		=	193.760
20 mm ϕ	11 x	3.540 M			
	⑥	2.470 kg/M		=	76.182
				T	2278.698
Add 5% Wastage & Lapp				⑤	113.935
				T	2392.633 kg
				or.	2.393 MT
2. PIV Boring cost in situ					
Acc No 35					
	1 x	21.0		=	21.0
				T	21.0 M.

Continuation

7.1.24. J.E.

7.1.24. A.E.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Add :-					
Pier-3	P.T.C -1				
1.	Supplying & Fixing and Placing HYSD bar in position complete				
25mm ϕ	22	× 25.480 m			
		@ 3.850 kg/m			= 2158.156
8mm ϕ	154	× 3.460 m			
		@ 0.395 kg/m			= 213.136
20mm ϕ	12	× 3.540 m			
		@ 2.470 kg/m			= 104.926
				T.	2476.218
Add 5% wastage					123.811
				T	2600.029 kg
					= 2.60 MT
2.	PIC	Broad cast in situ			
	Item 35				
	1 no	23.0			= 23.0
8.1.24. J.E.		8.1.24. A.E.		T	23.0 m³
3.	PIC	Steel Liner 6mm			
	Thick	for pile			
	4	× 3.142 × 1.20 × 1.50			= 22.622 m²
	= 22.622 m²	@ 47.10 kg/m²			= 1065.496 kg
				T	1065.496 kg
	Add 5% wastage			(+)	53.275 kg
				T	1118.771 kg.
					= 1.119 MT

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Content of area
Pier 3 — Pile 2					
1. Supply, fitg & placing Hyso bar in reinforcement as per					
25mm ϕ	99 x 25.480 kg.				
	ⓐ 3850 kg/m			=	2458.1
8mm ϕ	154 x 3.460 kg				
	ⓑ 0.400 kg/m			=	213.13
10mm ϕ	12 x 3.540 m				
	ⓒ 2.470 kg/m			=	104.926
				T	2476.218
Add	5% wastage			@	123.811
				T	2600.0298
				or	2.607 T
2. PIV Steel Liner 6mm thick for pile					
	6 x 3.142 x 1.20 x 1.80 m				
	= 22.622 m²			ⓓ 47.10 kg/m²	= 1065.496
Add 5% wastage				@	53.275
				T	1118.771 kg
				or	1.119 MT
3. PIV Reinforcement in cap					
735					
	1 x 23.00			=	23.00
				T	23.00

Prof. 9.1.24. J.E.

A.E. 9.1.24.

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Content of area
Det:	-				
Pier 3	P-3				
1.	Supply, fitting and Placing				
	HYSD bar in footing				
25mm ϕ	22 x 25.480 m				
	⑤ 3.850 kg/m			=	2158.1
8mm ϕ	154 x 3.460 m				
	⑧ 0.400 kg/m			=	213.13
20mm ϕ	12 x 3.540 m				
	⑳ 2.470 kg/m			=	104.926
				T	2476.218
Add	5% wastage			5%	123.811
				T	2600.029 kg
				or.	2.600 MT
2.	PIV Steel Liner 6mm				
	thick for pile				
	4 x 3.142 x 1.20 x 1.50 m:				
	= 22.622 m² @ 47.106 kg/m:				1065.496
Add	5% wastage & lap			5%	53.275
				T	1118.771 kg
				or.	1.119 MT
3.	PIV Normal cost in situ				
	ce 735				
	1 x 23.00			=	23.00
				T	23.00 m.
10.1.94.		10.1.94.			
J.E.		A.E.			

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Pier 2 – Pile 4					
1. Supply cutting and placing HYSD bar reinforcement as per					
25 mm Φ	22 nos	25.480 M			
	@	3.850 kg/M		=	2158.156
8 mm Φ	154 nos	3.464 M			
	@	0.400 kg/M		=	213.136
20 mm Φ	12 nos	3.540 M			
	@	2.470 kg/M		=	104.926
				T	2476.218
Add	5%	Wastage		=	123.811
				T	2600.029 kg
				or	2.60 MT
2. PIV Steel Liner 6mm thick as per drawing					
	4 nos x 3.142 x 1.20 x 1.50 M = 22.622 m^2 @ 47.10 kg/M				1065.496
	Add 5% Wastage			=	53.275
				T	1118.771 kg
				or	1.119 MT
3. PIV Bored cast in situ					
	1 cc M 35				
	1 nos	23.10		=	23.10
				T	23.10 M.
11.1.24		11.1.24			
J.E.		A.E.			

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Dot	—				
Pier 3 - Pile - 5					
1. Supply, fitting and Placing HYSD bar in reinforcement -					
25 mm ϕ	22 ×	25.480 m			
	@	3.858 kg/m		=	2158.158
8 mm ϕ	154 ×	3.460 m			
	@	0.400 kg/m		=	213.136
20 mm ϕ	12 ×	3.540 m			
	@	2.470 kg/m		=	104.926
				T	2476.218
Add. 5% Wastage				CD	123.811
				T	2600.029 kg
				or	2.600 T
2. Plr steel liner 6 mm thick as per drawing —					
	4 × 3.142 R	1.20 ×	1.50 m		
	= 22.622 m² @	47.10 kg/m²			1065.496
Add 5% wastage.				CD	53.275
				T	1118.771 kg
				or	1.119 MT
3. Plr Bored cast in situ					
Ref Y 33					
	1 ×	23.0		=	23.0
				T	23.0 m.
12.1.24.		12.1.24.			
J.E.		A.E.			

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Pier-3 -	Pile-6				
1.	Supply, fitting and Placing				
	HYSD bar			@	
25 mm φ.	22 × 25.480 m				
	@ 3.850 kg/m			=	2158.156
8 mm φ	154 × 3.480 m				
	@ 0.395 kg/m			=	213.136
12mm φ	12 × 3.540 m				
	@ 2.470 kg/m			=	104.926
				T	2476.218
Add 5%	Wastage & lapp			(+)	123.811
				T	2600.029 kg
				=	2.6 MT
2.	PIV steel liner 6 mm				
	Work as per				
	4 × 3.142 ×	1.20 ×	1.50 m		
=	22.624 m² @	47.124 kg/m².			1065.496
Add 5%	Wastage & lapp.			(+)	53.275
				T	1118.771 kg.
				or,	1.119 MT
3.	PIV Barrel cast in-situ				
	RCC M 35				
	1 × 23.00			=	23.00
				T	23.00 m.
13.1.24.					
J.E.	19.1.24.				
				A.E.	

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Dia -					
Plan-2.	Pile - 1				
1.	Sub-str. C.Hyg and Plaing				
	Hyso Bar in				
25mm ϕ -	22 × 25.480 m.				
	@ 3.850 kg/m			=	2158.156
8 mm ϕ	154 × 3.460 m				
	@ 0.400 kg/m			=	213.136
20mm ϕ	12 × 3.540 m				
	@ 2.470 kg/m			=	104.926
				T	2476.218
Add 5%.	Wastage.			@	123.811
				T	2600.029 kg
				or	2.6 MT
2.	P/c steel liner 6mm thk.				
	4 × 3.142	1.20 ×	1.50 m		
=	22.62 m^2	@ 47.10	kg/m	=	1065.496
Add 5%.	Wastage.			@	53.275
				T	1118.771 kg.
				or	1.119 MT
3.	P/c round cost in situ				
	9cm	35			
	1 ×	23.00		=	23.0
				T	23.00 m.
14.1.24.		14.1.24			
J.E.		A.E.			

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Pier 2 -	Pile : 2				
1.	Suppl. Fitting and Placing				
	HYSD bar				
25 mm φ -	22 x 25.480 m				
	@ 3.850 kg/m				= 2158.156
8 mm φ -	154 x 3.460 m				
	@ 0.400 kg/m				= 213.136
20 mm φ -	12 x 3.540 m				
	@ 2.470 kg/m				= 104.926
				T	2476.218
Add	5% wastage			(+)	123.811
				T	2600.029 kg
				or	2.60 MT
2.	Pile [illegible] 6 mm				
	thick as per ___				
	4 x 3.142 x 1.20 x 1.50 m				
	= 22.622 m² @ 47.10 kg/m				= 1065.496
	Add 5% wastage			(+)	53.275
				T	1118.771 kg
				or,	1.119 MT
3.	Pile [illegible] cost in situ				
	Acc [illegible] 35 ___				
	1 x 23.0				= 23.0
				T	23.00 m.
	Sd/- 15.1.24. J.E.		Sd/- 15.1.24. A.E.		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date :-					
Plan 2.	Pile 3				
	1. Supply, fitting and placing				
	Hysd bar in work				
25mm φ	22 x 25.480 m				
	@ 3.850 kg/m				= 2158.456
8mm φ	154 x 3.460 m				
	@ 0.400 kg/m				= 213.136
20mm φ	12 x 3.540 m				
	@ 2.470 kg/m				= 104.926
				T	2476.218
Add 5% wastage				(+)	123.811
				T	2600.029 kg
				or	2.60 MT
	2. P/V steel liner 8mm thick				
	4 x 3.142 x 1.20 x 1.50				
	= 22.620 m² x 47.10 kg/m²				= 1065.496
	Add 5% wastage.			(+)	53.275
				T	1118.771 kg.
				or	1.119 MT
	3. P/V Bored cast in situ				
	RCC M35				
	1 x 23.0				= 23.0
				T	23.0 M.
[signature] 16.1.24. J.E.			[signature] 16.1.24. J.E.		

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Content of area
Pier 2	P-4				
1.	Supp. [illegible]			Pier	
	HYSD bar in roof				
25mm ϕ	22 ×	25.480 m			
		@ 3.850 kg/m			= 2158.1
mm ϕ	154 ×	3.480 m			
		@ 0.400 kg/m			= 213.13
mm ϕ	12 ×	3.540 m			
		@ 2.470 kg/m			= 104.92
				T	2476.218
Add	Str. wastage			@	123.811
				T	2600.029 kg
				or	2.60 MT
2.	Pier	steel	liner	6mm	
	thick				
	4 × 3.142 ×	20 × 1.50 m			
	= 22.624 m²	@ 47.10 kg/m²			= 1065.496
	Add Str. wastage			@	53.496
				T	1118.771 kg.
				or	1.119 MT
3.	Pier	Base	conc	in situ	
	Acc	35			
	1 × 23.0				= 23.0
				T	23.0 m³
17.1.24			17.1.24		
J.E.			A.E.		

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Deli —					
Pier. 2 —	P-5				
1. Supp. fitting and Placing					
HYS.D bar					
25 mm ϕ -	22 x	25.480 m			
	@ 3.850 kg/m				= 2158.156
8 mm ϕ	154 x	3.460 m			
	@ 0.400 kg/m				= 213.136
20 mm ϕ	12 x	3.540 m			
	@ 2.470 kg/m				= 104.926
					T 2476.218
Add 5% wastage.				@	123.81
					T 2600.0298
					or. 2.60 MT
2. PIV Steel liner 6mm					
thick					
	4 x 3.142 x	1.20 x	1.50		
	= 22.622 m^2 @	47.10 kg/m			= 1065.496
Add 5% wastage.				@	53.496
					T 1118.771 kg
					or 1.119 MT
3. PIV Concrete M35					
Ace M35					
	1 x	23.0			= 23.0
					T 23 m.
	18.1.24.		18.1.24.		
	J.E.		A.E.		

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Pier - 2	R/C				
1.	Supply, fitting and placing				
	HYSD bar				
25mm φ	22 ×	25.480 m			
	@	3.850 kg/m		=	2158.156
8mm φ	154 ×	3.460 m			
	@	0.400 kg/m		=	213.136
07 φ	12 ×	3.540 m			
	@	2.470 kg/m		=	104.924
				T	2476.218
Add 5%	Wastage			@	123.811
				T	2600.029 kg
				or	2.60 MT
2.	PIV Steel	Liner	6mm		
	1 No's				
	4 × 3	142 ×	1.20 ×	1.50 m	
=	22.62	m² @	47.10 kg/m²	=	1065.496
Add	5%	Wastage		@	53.496
				T	1118.771
				or	1.119 MT
3.	PIV Steel	cast in	situ		
	Acc/ 35				
	1 ×	23.0		=	23.0
				T	23.000 m.

19.1.24. 19.1.24.

J.E. A.E.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Dolk –					
Pier - 1 & 2					
1. Supply fitting and					
placing HYSD bar					
25mm φ - 22 x 25.480 m					
@ 3.850 kg/m					= 2158.156
8mm φ 154 x 3.460 m					
@ 0.400 kg/m					= 213.136
20mm φ 12 x 3.540 m					
@ 2.470 kg/m					= 104.926
					T 2476.218
Add 5% wastage				(+)	123.811
					T 2600.029 kg
					or 2.600 MT
2. P/V Steel liner 6mm					
thick –					
4 x 3.142 x 1.20 x 1.50 m					
= 22.622 m² @ 47.10 kg/m					= 1065.496
Add 5% wastage				(+)	53.496
					T 1118.771 kg
					or 1.119 MT
3. P/V Bored cast in situ					
RCC M35 grade –					
1 x 23.0					= 23.0
					T 23 m
[signature] 20.1.24. J.E.			[signature] 20.1.24. A.E.		

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Pier-8 — P-2					
1.	Supply, fitting and placing tor steel bar				
25mm φ	22 x 25.480 m				
	@ 3.850 kg/m			=	2158.156
8mm φ	154 x 3.460 m				
	@ 0.400 kg/m			=	213.136
20mm φ	12 x 3.540 m				
	@ 2.470 kg/m			=	104.926
				T	2476.218
Add 5% wastage.				(+)	123.811
				T	2600.029 kg
				or	2.60 MT
2.	Plr Steel liner 6 mm thick				
	4 x 3.142 x 1.20 x 1.50 m				
	= 22.622 m² @ 47.10 kg/m²			=	1065.496
Add 5% wastage				(+)	53.496
				T	1118.771 kg
				or	1.119 MT
3.	Plr Bored cast in situ				
	dia 4 35 grade —				
	1 x 23.40			=	23.40
				T	23 m.
[signature] 21.1.24. J.E.	[signature] 21.1.24. A.E.				

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Dated – Pier-1 — P-2					
1.	Supply fitting and placing HYSD bar				
25mm φ –	22 x 25.480 m				
	@ 3.850 kg/m			:	2158.156
8 mm φ –	154 x 3.460 m				
	@ 0.400 kg/m			:	213.136
20mm φ	12 x 3.540 m				
	@ 2.470 kg/m			:	104,926
				T	2476.218
Add 5% wastage				@	123.811
				T	2600.029
				or	2.600 MT
2.	PW steel liner 6 mm thick etc				
	4 x 3.142 x 1.20 x 1.50 m				
	= 22.622 m² @ 47.10 kg/m			=	1065.496
Add 5% wastage				@	53.496
				T	1118.721 kg.
				or	1.119 MT
3.	PIV Bored cast in situ RCC M35 grade				
	1 x 23.00			:	23.00
				T	23 m.
[signature] 22.1.24. J.E.		[signature] 22.1.24. A.E.			

Continuation

Sch. XLV-Form No.134 24

Particulars	No.	L.	B.	D.	Contents of area
Pile-1 P-4					
1. Supp. fitting and placing					
HYSD bar in position					
25 mm φ	92 x 25.480 m				
	@ 3.850 kg/m				= 2158.156
8 mm φ	154 x 3.460 m				
	@ 0.400 kg/m				= 213.136
20 mm φ	12 x 3.540 m				
	@ 2.470 kg/m				= 104.926
				T	2476.218
Add 5% wastage				(+)	123.811
				T	2600.029 kg
				or	2.600 MT
2. P/V Steel Liner 6 mm thick					
	4x3.142x1.20 x1.50 m				
= 22.622 m² @ 47.10 kg/m²				=	1065.496
Add 5% wastage				(+)	53.496
				T	1118.771 kg
				or	1.119 MT
3. P/V Bored cast in situ					
RCC M35 grade					
	1x23.00				= 23.00
				T	23 m.
[signature] 23.1.9..			[signature] 23.1.9..		
J.E.			A.E.		

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Det:-					
Piv-1 - P-5					
1. Stubb - filling and Plug					
Hyed. bar					
25mm φ	22 × 25.480 m.				
	@ 3.850 kg/m			=	2158.156
8mm φ -	154 × 3.460 m				
	@ 0.400 kg/m			=	213.136
20mm φ	12 × 3.540 m				
	@ 2.470 kg/m			=	104.926
				T	2476.218
Add 5% wastage				@	123.811
				T	2600.029 kg
				or	2.60 MT
2. Piv steel inner cum					
1 Ltr.					
	4 × 3.142 × 1.20 × 1.50 m				
	= 22.62 m² @ 47.10 kg/m²,				1065.454
Add extra @ 5% wastage				@	53.496
				T	1118.771 kg.
				or	1.119 MT
3. Piv bond constructing					
qty = 35 kg.				—	
	1 × 23.40			=	23.40
				T	2397.
24.1.24.			24.1.24.		
J.E.			A.E.		

Sch. XLV-Form No.134 26

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Pier 1 — P-6					
1.	Supp fitting and placing				
	HYSD bar				
25 mm ø	22 x 25.400 m				
	@ 3.850 kg/m				= 2158.156
8 mm ø	154 x 3.460 m				
	@ 0.400 kg/m				= 213.136
20 mm ø	12 x 3.540 m				
	@ 2.470 kg/m				= 104.926
					T 2476.218
Add 5% wastage				@	123.811
				T	2600.029 kg
					or 2.6077
2.	P/v steel liner 6 mm				
	thick				
	4 x 3.142 x 1.20 x 1.50 m				
	= 22.622 m^2 @ 47.10 kg/m^2				= 1065.496
Add 5% wastage					53.496
				T	1118.771 kg
					or 1.11977
3.	P/v Bored cast insitu				
	1200 mm ø				
	1 x 23.0				23.0
					T 23 M.
	Sd/-		Sd/-		
25.1.94.			25.1.94.		
J.E.			A.E.		

Continuation

Particulars	No.	L.	B.	D.	Contents of area
Ab – A1 – Pier – 8					
1. Supp fitting and Placing					
HYSD bar					
25mm φ	22 × 23.480 m				
	@ 3.850 kg/m			=	1988.756
8mm φ	140 × 3.460 m				
	@ 0.400 kg/m			=	193.760
20mm φ	11 × 3.540 m				
	@ 2.470 kg/m			=	96.182
				T	2278.698
Add 5% wastage				(+)	113.935
				T	2392.633 kg
				or	2.393 MT
2. PVC Pipe Cont in					
Sl.4 Acc 7/35					
	1 × 21.0			=	21.00
				T	21 m.
27.1.94. J.E.	27.1.94. A.E.				
A1 – P – 7					
1. Supp fitting and Placing					
HYSD bar					
25mm φ	22 × 23.480 m				
	@ 3.850 kg/m			=	1988.756
8mm φ	140 × 3.460 m				
	@ 0.400 kg/m			=	193.760
20mm φ	11 × 3.540 m				

Continuation

@ 2.470 kg/m = 96.182

T = 2278.698

P.T.O.

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				T.	2278.698
Add S/L. Wastage @					113.935
				T	2392.633
				or.	2.393 T
2. PLY board cast in situ					
Rate @ 35 /sq.m				—	
	1 ×	21.00		=	21.00
				T	21.7.
28.1.24.					
J.E.		28.1.24.			
		A.E.			

Date —

A_1 — P. 6

1. Supp. fitg. and Plcg.				
HYSD bar				
25mm ϕ.	22 ×	23.450 m		
	@	3.850 kg/m	=	1988.786
8 mm ϕ	140 ×	3.460 m		
	@	0.400 kg/m	=	193.760
20 mm ϕ.	11 ×	3.540 m		
	@	2.470 kg/m	=	96.182
			T	2278.698
Add S/L. Wastage			(+)	113.935
			T	2392.633
			or.	2.393 T

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2.	PIV Bond coat in				
	site 1cc 735 gm				
	1 × 21.00			=	21.00
				T	21.17.
	29.1.24.	29.1.24.			
	J.E.	A.E.			
A1 – P 5					
1.	Supply. Fitg & Placing				
	HYSD bar				
25mm ϕ.	22 × 23.430 m				
	@ 3.850 kg/m			=	1988.753
8mm ϕ.	140 × 3.460 m				
	@ 0.400 kg/m			=	193.760
2mm ϕ.	11 × 3.54 × 7				
	@ 2.470 kg/m			=	96.182
				T	2278.698
Add	5% wastage.			(+)	113.935
				T	2392.633 kg.
				=	2.393 MT
2.	PIV Bond coat in site				
	1cc 735 gm				
	1 × 21.00			=	21.00
				T	21 m.
	30.1.24.	30.1.24.			
	J.E.	A.E.			

Particulars	No.	L.	B.	D.	Contents of area
Dt. 4-					
Ab. A1 — P-4					
1. Supply fitting and placing					
HYSD bar					
25 mm φ.	22 x	23.480 m			
	@	3.850 kg/m			1988.756
8 mm φ	140 x	3.460 m			
	@	0.400 kg/m			193.760
20 mm φ	11 x	3.540 m			
	@	2.470 kg/m			96.182
				T	2278.698
Add 5% wastage				(Ad)	113.935
				T	2392.633 kg
				or	2.393 MT
2. Abv bored cast in situ pile of 35					
21 m	1 x	21.0			21.0
				T	21 m.
31.1.94 J.E.		31.1.94 A.E.			
A1 — P-3					
1. Supply fitting and placing					
HYSD bar					
25 mm φ	22 x	23.480 m			
	@	3.850 kg/m			1988.756
8 mm φ.	140 x	3.460 m			
	@	0.400 kg/m			193.760
20 mm φ.	11 x	3.540 m			

Continuation

	@	2.470 kg/m			96.182
				T	2278.698

P.T.O

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			T	2278.698	
Add 5% wastage				113.935	
			T	2392.633 kg	
				= 2.393 MT	
2. PIV Bored cast in situ Ice 7.35					
	1 ×	21.0		= 21.0	
				T 21 M.	
1.9.24 J.E		1.9.24 A.E.			
Deti —					
A, — 0.2					
1. Subb. fitting and Placing HYSD bar —					
25mm ϕ.	22 ×	23.480 M.			
	@	3.850 kg/m		= 1988.756	
8mm ϕ.	140 ×	3.468 M			
	@	0.400 kg/m		= 193.760	
20mm ϕ.	11 ×	3.540 M.			
	@	2.470 kg/m		= 96.182	
				T 2278.698	
Add 5% wastage.				(+) 113.935	
				T 2392.633 kg	
				or 2.393 MT	

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2.	PIV	Boring cast in			
	situ	Rock 35			
	1 no	21.0		=	21.0
				T	21 M.
2.2.94 J.E.		2.2.94 A.E.			
A1 – P – 1					
1.	Supply fitting and Placing				
	HYSD bar in reinforcement				
25mm ϕ.	22 no	23.980 M			
	@	3.850 kg/m		=	1988.757
8mm ϕ.	140 no	3.460 M			
	@	0.400 kg/m		=	193.760
20mm ϕ.	11 no	3.540 M			
	@	2.470 kg/m		=	96.182
				T	2278.698
Add 5% Wastage				@	113.935
				T	2392.633 kg
				or	2.393 MT
2.	PIV	Boring cast in			
	situ	Rock 35			
	1 no	21.0		=	21.0
				T	21 M.
3.2.94 J.E.		3.2.94 A.E.			

Continuation

Abstract of cost 33

Sch. XLV-Form No.134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/20	Consh. of embankment				
	with material				
		P. 1			
600 m³ @ Rs.		211.35		Rs.	126810.–
2/20	P/L laying of 4m³				
	H.P. 1000 mm			—	
		P. 2			
60 Nos @ Rs.		8148.55		Rs.	488913.–
3/21	Consh of G.S.B. & Ery				
	b/w wall			—	
		P. 2			
30 m³ @ Rs.		4026.49		Rs.	120795.–
4/2	P/L and fixing of				
	on service road			—	
		P. 2			
68.48 m @ Rs.		4378.01		Rs.	299806.–
5/1	E/W in excavation				
	of foundation				
		P. 2			
642.790 m³ @ Rs.		205.54		Rs.	132119.–
6/8	Supply, fitting and				
	placing HYSD bar			—	
2.3937 T		P. 3			
2.3937 T		P. 4			
2.3937 T		P. 4			
2.3937 T		P. 5			

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2.392 MT		P-6			
2.393 MT		P.7			
2.393 MT		P. 8			
2.393 MT		P. 8			
2.60 MT		P.9			
2.60 MT		P. 10			
2.60 MT		P. 11			
2.60 MT		P. 12			
2.60 MT		P. 13			
2.60 MT		P. 14			
2.60 MT		P. 15			
2.60 MT		P. 16			
2.60 MT		P. 17			
2.60 MT		P. 18			
2.60 MT		P. 19			
2.60 MT		P 20			
2.60 MT		P-21			
2.60 MT		P-22			
2.60 MT		P. 23			
2.60 MT		P. 24			
2.60 MT		P. 25			
2.60 MT		P. 26			
2.393 ~~2.60~~ MT		P. 27			
2.393 MT		P. 28			
2.393 MT		P 28			
2.393 MT		P. 29			
2.393 MT		P. 30			

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
2.393 MT		P-31			
2.393 MT		P. 32			
2.393 MT		P. 33			
25.088 MT @ Rs.		7794	1.70	Rs.	6621903.20
7/3	PIV Steel liner 6mm thick for Pile.				
1.119 MT		P. 9			
1.119 MT		P. 10			
1.119 MT		P. 11			
1.119 MT		P. 12			
1.119 MT		P. 13			
1.119 MT		P. 14			
1.119 MT		P. 15			
1.119 MT		P. 16			
1.119 MT		P. 17			
1.119 MT		P. 18			
1.119 MT		P. 19			
1.119 MT		P. 20			
1.119 MT		P. 21			
1.119 MT		P. 22			
1.119 MT		P. 23			
1.119 MT		P. 24			
1.119 MT		P. 25			
1.119 MT		P. 26			
26.142 MT		P 27			
19.180 MT	@ Rs.	1067	16.19	Rs.	2046817.20

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
8/4	P1V	Boring & casting			
	City	P.C.C. 35			
21.00 M.		P. 3			
21.00 M		P. 4			
21.00 M		P. 5			
21.00 M.		P. 5'			
21.00 M		P. 6			
21.00 M.		P. 7			
21.00 M		P. 8			
21.00 M		P. 8			
23.00 M		P. 9			
23.00 M.		P. 10			
23.00 M		P. 11			
23.00 M		P. 12			
23.00 M		P. 13			
23.00 M		P. 14			
23.00 M		P. 15			
23.00 M		P. 16			
23.00 M.		P. 17			
23.00 M		P. 18			
23.00 M		P. 19			
23.00 M		P. 20			
23.00 M		P. 21			
23.00 M		P. 22			
23.00 M		P. 23			
23.00 M		P. 24			
23.00 M.		P. 25			

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
23.00 m		P. 26			
21.00 m		P. 27			
21.00 m		P. 28			
21.00 m		P. 29			
4.00 m		P. 25			
4.00 m		P. 30			
4.00 m		P. 21			
4.00 m		P. 32			
24.00 m		P. 33			
750 m	(A)	L. 18536.11		L.	13902083.-
					1
				L.	23749246.-
Add G.S.T.	(B)	18%		L.	2849910.-
Add L. Tax	(C)	1%		L.	237492.-
Add S.Fee				L.	139171.-
				L.	26975819.-
less 0.11% below	(D)			L.	29673.-
				L.	26946146.-
	Limit Fund				30,00,000.00
10.2.24. JE		10.2.24. AE			

Allotment Received By BARDA vide Letter No- 11 Dated- 19-01-2024 Rs- 30,00,000.00

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	Material stacked -				
21000 = 0	Soil - 600.00 m^3				
	Stone dust - 85.200 m^3				
1620 = 0	Crushed sand - 10.800 m^3				
	Stone Metal Chips - 338.00 m^3				
25380 = 0	Coarse sand - 169.20 m^3				
49000 = 0	Cement - 157.92 MT				
	Steel - 104.268 MT				

Continuation

1st on A/c Bill.

Sch. XLV-Form No.134 39

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		Memo of Payment - G.V - 30,00,000=00			
				T.V - 2542373=00	
		2% IT —			50847=00
	RS-4,81,881=00	1% CGST —			25424=00
		1% SGST —			25424=00
		1% L.C —			25424=00
		Royalty —			48000=00
		S.F —			16700=00
		8% SD —			2,40,000=00
		By C.F.M.S —			25,69,181=00
			Total —		30,00,000=00

Passed for RS-30,00,000=00 (Rupees Thirty Lakhs only)

12.2.24

Executive Engineer
RWD WORKS DIVISION
Pakaridayal

12/2/2024

Continuation

2nd on A/c Bill.

Sch. XLV-Form No.134 40

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Name of work :- Construction of HL RCC Bridge in Patahi Jhanda chowk to Sugarpas road in Kodariya Village. Under State scheme-4575 "NABARD"					
Block - Patahi					
Agency :- M/s Kumar Construction Company. c/o Surendra Kumar Chandmari Mothon E. Champaran.					
Agreement No :- 20 SBD/ 2023-24					
Construction Cost - Rs. 6,03,769 :-					
Maintenance cost - Rs. 35453 8 :-					
Date of Work order :-			15.12.2023		
Date of Completion :-			14.12.2024		
Measurement :-					
- Nil -					
15.2.24. J.E.			15.2.24. A.E.		

Continuation

Abstract of cost

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
1/20	Construction of embankment				
	with approved material				
		P. 33			
600.00m³ @ Rs. 211.35				₹	126810.-
2/30	P/L	...	1600 mm RCC		
	1600 mm RCC				
		P. 33			
60 Ho @ Rs. 8148.55				₹	488913.-
3/21	Construction of G.S.B				
	Gr III by b/w well				
		P. 33			
30.00m³ @ Rs. 4026.49				₹	120795.-
4/2	P/L and construction of				
	on service road				
		P. 33			
68.480 m @ Rs. 4378.01				₹	299806.-
5/1	Earthwork excavation of				
		P. 33			
642.790 m³ @ Rs. 205.54				₹	132119.-
6/8	S/F and placing HYSD				
	bar ...				
		P. 33			
85.088 mt @ Rs. 77941.70				₹	6631903.-
7/3	P/L steel liner 6mm				
	thick for pile				

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		P. 35			
19.1.80 77	@ 9.	1067/16=19		9.	2046817
B/4	DN	Board cast in			
	city	Rec 9.35			
		P. 37			
75 7	@ 9.	1853611		9.	13902083
				4.	23749246
Add GST @ 18 %					2849910
Add. L.C.S @ 1%					237492
add S.C		1			139171
				4.	26975819
less 0.11 % below			@		29673
				4.	26946146
less Previous Pay			@	4.	3000000
				4.	23946146
15.2.24		15.2.24			
J.E.		A.E.			
	Material steel				
	— Nil —				
15.2.24		15.2.24			
J.E.		A.E.			