प्रमाणित किया जाता है कि
आपदा मद से मशीन कैनिन 100 मीटर
है जिसे पंचायत अभियंता द्वारा
कार्य किया गया अतः प्रमाणित
प्रविष्टी के पंचनामा से निर्गत किया
जाता है

19.2.24

Executive Engineer
RWD Works Division
Paharpayal
19.2.24

Sch. XLV - Form No. 134

R.W.D PAHARPAYAL DIVISION

R.W.D PATAHI SUB-DIVISION

Measurement Book

No.
1439

Name _____

_____

Date of first entry _____

Date of last entry _____

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	5th	on	A/c	Bill.	
N/w :→	const.	of	H.L	Bridge	
	at	Patabi	REO	Road to	
	Kalupakad	road	via		
	Belabi	Ram	road		
	State	Scheme	4515	(NABARD)	
Agency :→	Kumar	const.	company		
	c/o -	Surendra	Kumar		
	AT -	Chandmari,	Motihari		
		E.	Champaran.		
Agg. no :→	22	SBD/2023-24			
D.O.S →	30.12.2023				
D.O.C →	29.12.2025.				
D.O.C → 02.07.24 to 30.04.2025					
1.) ~~P/L Elastomeric Bearing & cosmic pad Do - all comp. job.~~					
1.) P/V	and	laying	RCC	M-30	in
RB 1	Abutment	Do -	all		
comp. job.					
	4 ×	0.800 ×	0.800 ×	1.05 =	2.694 ^{3}
2.) P/V	and	laying	RCC	M-30	in
RB 2	Abutment	Do -	all	comp. job.	
	6 ×	0.700 ×	0.370 ×	1.15 =	1.794 ^{3}
3.) P/V	and	laying	RCC	M-30	in
RB 1	Pier	Do -	all	comp. job.	
	8 ×	0.800 ×	0.800 ×	1.05 =	5.38 ^{3}

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
4.) P/V and laying RCC M-30 in RB-2 Piers do-all comp. job.					
	6×	0.740×	0.635×	1.15 =	3.24 M³
	10/01/25 J.E			10-01-25 A.E	
5.) P/V and laying Elastomeric Bearing in Ab-A2 do-all comp. job.					
RB1	2×	35.00×	35.00×	6.00 =	14,700 M³
RB2	3×	35.00×	35.00×	6.00 =	22,050 "
					36750 M³
6.) P/V and laying Elastomeric Bearing in Pier P2 do-all comp. job.					
RB-1	2×	35.00×	35.00×	6.00 =	14700.00 M³
RB2	3×	35.00×	35.00×	6.00 =	22050.00 "
					36750 M³
	12/01/25			12-01-25	
7.) P/V and laying POT-PTFE Bearing Ab-A2 do-all comp. job.					
	3×	250 = 750 T			
8.) P/V and laying POT-PTFE Bearing Pier-P2 do-all comp.					
	3×	250 = 750 T			
	15/01/25 J.E			15-01-25 A.E	

Continuation

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Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
9.) S/F and Placing HYSD bar					
reinforcement for $A_b - A_2$ + P_2					
Main girder and cross girder					
in super -do- do- all comp.					
job.					
Main Girders.					
28mm ϕ –	18 X	20.46	X @4.84	=	1752.45 kg
	10 X	20.46	X @4.84	=	990.26 "
	6 X	21.928	X @4.84	=	636.79 "
	4 X	20.162	X @4.84	=	390.34 "
	4 X	17.862	X @4.84	=	345.81 "
	4 X	15.404	X @4.84	=	298.22 "
	4 X	12.944	X @4.84	=	250.60 "
	2 X	21.770	X @4.84	=	210.73 "
	2 X	19.162	X @4.84	=	185.49 "
	2 X	15.704	X @4.84	=	152.01 "
16mm ϕ –					
	6 X	19.24	X @1.58	=	182.40 "
	6 X	19.26	X @1.58	=	182.58 "
6mm ϕ –	66 X	19.26	X @0.22	=	279.66 "
	6 X	19.27	X @0.22	=	25.44 "
10mm ϕ –	146 X	8.312	X @0.62	=	752.40 "
	36 X	8.56	X @0.62	=	191.06 "
	195 X	1.558	X @0.62	=	188.36 "
	83 X	8.328	X 0.62	=	428.56 "
	18 X	8.576	X @0.62	=	95.71 "
				C.O =	7568.90 kg

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			B.I	=	7568.70 Kg
6mm ϕ →	65X	1.035X	@0.22	=	14.30 "
	130X	0.750X	@0.22	=	21.45 "
	12X	7.740X	@0.22	=	20.43 "
Cross Girder-					
16mm ϕ →	8X	5.546X	@1.58	=	70.10 "
	8X	7.00X	@1.58	=	88.48 "
12mm ϕ →	4X	5.438X	@0.89	=	19.36 "
	4X	7.544X	@0.89	=	26.86 "
	4X	7.588X	@0.89	=	27.01 "
	20X	5.518X	@0.89	=	98.22 "
20mm ϕ →	6X	6.380X	@2.47	=	94.55 "
	6X	6.380X	@2.47	=	94.55 "
	4X	8.135X	@2.47	=	80.37 "
	6X	7.00X	@2.47	=	103.74 "
10mm ϕ →	24X	2.936X	@0.62	=	43.69 "
	44X	5.572X	@0.62	=	152.00 "
6mm ϕ →	24X	5.250X	@0.22	=	27.72 "
	16X	2.930X	@0.22	=	10.31 "
					8562.54 Kg
				or,	8.564 T

20/02/25 J.E

20/02/25 A.E

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
10.> P/v and laying RCC cy-30 grade					
in Main Girder & Cross Girder					
—do— all comp. job.					
Main Girder →	3X	18.75X	$\frac{(1.550+.300)}{2}$X	1.875	
				=	44.824 m^3
Cross Girder →	4X	5.80X	0.250X	1.275=	7.39 "
					52.214 m^3
	25/02/25		26/02/25		
		J.E		A.E	
11.> S/F and placing HYSD bar at A_2 to P_2					
in Deck slab & Railing					
—do— all comp. job.					
12mm ϕ →	81X	7.252X	@ 0.89	=	522.797 kg.
	88X	5.300X	@ 0.89	=	415.096 "
	84X	5.310X	@ 0.89	=	396.228 "
16mm ϕ →	176X	2.325X	@ 1.58	=	646.536 "
8mm ϕ →	156X	1.85X	@ 0.40	=	115.440 "
	22X	19.60X	@ 0.40	=	172.480 "
	24X	19.512X	@ 0.40	=	187.315 "
	24X	19.270X	@ 0.40	=	184.992 "
	10X	19.270X	@ 0.40	=	77.080 "
	10X	19.270X	@ 0.40	=	77.080 "
	16X	1.700X	@ 0.40	=	10.880 "

Continuation C.O = 2805.924 kg

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B.f=	2805.924kg
	8×	19.27×	@0.40	=	61.664 "
	130×	1.656×	@0.40	=	86.112 "
					2953.70kg.
				or,	2.9544 T
	04/03/25 J.E			04-03-25 A.E	

12.) P/V and laying RCC M-30 in Deck slab & railing — Do- all comp. job.

Slab ⇒ $1 \times 18.750 \times 8.45 \times \frac{(0.430+0.250+0.430)}{3}$

$= \cancel{26.9343}\ \cancel{16.3724}^3$

Railing ⇒ $2 \times 18.750 \times 0.475 \times 0.275 = 4.898$ "

$\cancel{21.2704}^3$

31.8284^3

05/03/25 J.E — 05/03/25 A.E

13.) P/V and laying Elastomeric Bearing in Abt-A, Do-all comp. job.

RB-1 $2 \times 35.00 \times 35.00 \times 6.00 = 14700.00^3$

RB2 $3 \times 35.00 \times 35.00 \times 6.00 = 22050.00$ "

36750.00^3

14.) P/V and laying Elastomeric Bearing in Pier P2 Do- all comp. job.

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
RB 1 →	2×	35.00×	35.00×	6.00=	14700=00 "
RB 2 →	3×	35.00×	35.00×	6.00=	22050=00 "
					36,750=00 "
		10/03/25 J.E		10-03-25 A.E	
14.) P/V and laying PO T-PTFE Bearing AB-A1 -Do- all comp. job.		3×	250 =	750 T	
15.) P/V and laying PO T-PTFE Bearing Pier P1 -Do- all comp.		3×	250 =	750 T	
		12/03/25 J.E		12/03/25 A.E	
16.) S/F and Placing HYSD Bar reinforcement for AB-A1 to P1 Main girder and cross girder in super str. -Do- all comp. job.					
Main Girder					
28mm ϕ →	18×	20.46×	@4.84 =		1782.48 kg
	10×	20.46×	@4.84 =		990.26 "
	6×	21.928×	@4.84 =		636.79 "
	4×	20.162×	@4.84 =		390.34 "
	4×	17.862×	@4.84 =		345.81 "
					C.O = 4145.68 kg

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
				B.F =	4145.68 kg
	4X	15.404	X @4.84	=	298.22 "
	4X	12.944	X @4.84	=	250.60 "
	2X	21.770	X @4.84	=	210.73 "
	2X	19.162	X @4.84	=	185.49 "
	2X	15.704	X @4.84	=	152.01 "
16mm ϕ,	6X	19.24	X @ 1.58	=	182.40 "
	6X	19.26	X @ 1.58	=	182.58 "
6mm ϕ,	66X	19.26	X @ 0.22	=	279.66 "
	6X	19.27	X @ 0.22	=	25.44 "
10mm ϕ,	146X	8.312	X @0.62	=	752.40 "
	36X	8.56	X @0.62	=	191.06 "
	195X	1.558	X @0.62	=	188.36 "
	83X	8.328	X @0.62	=	428.56 "
	18X	8.576	X @ 0.62	=	95.71 "
6mm ϕ.	65X	1.035	X @ 0.22	=	14.80 "
	130X	0.750	X @0.22	=	21.45 "
	12X	7.740	X @0.22	=	20.43 "
Cross Girder:-					
16mm ϕ →	8X	5.546	X @1.58	=	70.10 "
	8X	7.00	X @1.58	=	88.48 "
12mm ϕ →	4X	5.438	X @0.89	=	19.36 "
	4X	7.544	X @0.89	=	26.86 "
	4X	7.588	X @0.89	=	27.01 "
	20X	5.518	X @0.89	=	98.22 "
20mm ϕ →	6X	6.380	X @2.47	=	94.55 "
				C.O =	8050.16 Kg

Continuation

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					[illegible]
	[illegible]	[illegible]	[illegible]		[illegible]
	4 ×	0.185 ×	@ 2.47 =		30.37 "
	6 ×	7.000 ×	@ 2.47 =		103.74 "
[illegible] ϕ →	24 ×	2.931 ×	@ 0.62 =		43.69 "
	44 ×	5.572 ×	@ 0.62 =		152.00 "
[illegible] ϕ →	24 ×	5.250 ×	0.22 =		27.72 "
	16 ×	2.930 ×	@ 0.22 =		10.31 "
					8562.54 Kg
				or,	8.564 T
		25/03/25 J.E			25/03/25 A.E
17.) P/V	and laying RCC M-30 grade				
Ab-A, P, in	Main Girder & cross Girder				
—do—	all comp. job.				
Main Girder →	13 ×	18.75 ×	$\frac{(0.550+0.300)}{2}$	× 1.875	
				=	44.829 m³
Cross Girder	4 ×	5.80 ×	0.250 ×	1.275 =	7.39 "
					52.21 m³
		26/03/25 J.E			26/03/25 A.E
18.) S/F	and Placing HYSD bar				Ab-A, to P,
in	Deck Slab & Railing				
—do—	all comp. job.				

Continuation

Scanned with CamScanner

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
12 mm ϕ →	81 X	7.252 X	@ 0.89 =		522.797 kg
	88 X	5.300 X	@ 0.89 =		415.096 "
	84 X	5.300 X	@ 0.89 =		396.228 "
16 mm ϕ →	176 X	2.325 X	@ 1.58 =		646.536 "
8 mm ϕ →	156 X	1.85 X	@ 0.40 =		115.440 "
	22 X	19.60 X	@ 0.40 =		172.480 "
	24 X	19.512 X	@ 0.40 =		187.315 "
	24 X	19.270 X	@ 0.40 =		184.992 "
	10 X	19.270 X	@ 0.40 =		77.080 "
	10 X	19.270 X	@ 0.40 =		77.080 "
	16 X	1.700 X	@ 0.40 =		10.880 "
	8 X	19.27 X	@ 0.40 =		61.664 "
	130 X	1.656 X	@ 0.40 =		86.112 "
					2953.70 kg
				00,	2.954 MT.
	16/04/26 JE			16-04-26 A.E	

12.) P/V and laying RCC M-30 in Deck slab & railing do-all comp.

Slab → 1 X 18.750 X 8.45 X $\frac{(0.130+0.250+0.130)}{3}$ = 26.934 m³

Railing → 2 X 18.750 X 0.475 X 0.275 = 4.898 "

31.828 m³

17/04/26 J.E | 17-04-26 A.E

Continuation

Sch. XLV-Form No.134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
20.) Providing weep holes in wing wall/ return wall - do - all comp. job				→	92.00 nos
	18/04/25 J.E			18-04-25 A.E	
21.) Supply and laying Elastomeric Bearing in Pier $P_1 - P_2$ - do - all comp. job.					
LB1 →	4 X	350.00 X	350.00 X	6.00 =	~~1470000 cm³~~ 29400000 cm³
LB2 →	6 X	350.00 X	350.00 X	6.00 =	44100000 "
					73,500000 cm³
	20/04/25			20-04-25 A.E	
21(A.) POT-PTFE	6 X	250 =	1500.00 T.		
22.) S/F and Placing HYSD bar Reinforcement for $P_1 - P_2$ Main Girder and cross Girder - do - all comp. job.					
Main Girder					
28 mm ϕ →	18 X	20.46 X	@ 4.84 =		1782.48 kg
	10 X	20.46 X	@ 4.84 =		990.26 "
	6 X	21.928 X	@ 4.84 =		636.79 "
	4 X	20.162 X	@ 4.84 =		390.34 "
29-04-25	4 X	17.862 X	@ 4.84 =		345.81 "
	4 X	15.404 X	@ 4.84 =		298.22 "
	4 X	12.944 X	@ 4.84 =		250.60 "
	2 X	21.770 X	@ 4.84 =		210.73 "

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	ABSTRACT OF COST.				
1/30 constn. of Embankment with app. material -do- all comp. job.					
697.10 M³	vide	THB	P-64		
@Rs. 211.35/M³				Rs	1,47,332=00
2/32 P/V and laying H.P NP-3 1000 mm ϕ -do- all comp.					
45.00 M	vide	THB	P-64		
@Rs 8174.37/M				Rs.	3,67,847=00
3/31 constn. of G.B Gr-2 -do- all comp. job.					
28.125 M³	vide	THB	P-64		
@Rs 4124.64/M³				Rs.	1,16,006=00
4/01 E/W in Excavation for found^n -do- all comp.					
531.47 M³	vide	THB	P-65		
@Rs 205.54/M³				Rs	1,09,238=00
5/02 constn. of temporary Island -do- all comp. job.					
2 M	vide	THB	P-65		
@Rs. 85886.19/M				Rs.	1,71,772=00
6/03 P/V Service road etc -do- all comp. job.					
60.31 M	vide	THB	P-65		
@Rs. 4378.01/M				Rs.	2,64,038=00
		B.O		Rs.	11,76,233=00

Continuation

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B.F		Rs.	11,76,233=00
7/10 S/F and Placing HYSD Bar in foundn					
—do— all comp job.					
80.149 M.T	vide	T4B	P-65		
4.539 M.T	"	"	P-47		
84.688 M.T					
Limit → 84.630 M.T					
@Rs. 77975.04/M.T				Rs.	65,99,028=00
8/04 P/v Steel liner 6mm thick —do— all comp job.					
14.20 M.T	vide	T4B	P-65		
@Rs. 1,06,749.53/M.T				Rs.	15,15,843=00
9/05 Bored cast-in-situ M-35 —do— all comp. job.					
584.00 M	vide	T4B	P-65		
@Rs. 18,656.09/M				Rs.	1,08,95,157=00
10/53(A) Pile load test on initial and routine load test —do— all comp.					
1750.00 M.T	vide	T4B	P-65		
@Rs. 300.00/M.T				Rs.	5,25,000=00
11/53(B) Pile load test lateral load test —do— all comp.					
50.00 M.T	vide	T4B	P-65		
@Rs. 5000.00/M.T				Rs.	2,50,000=00
		C.O		Rs.	2,09,61,261=00

Continuation

Sch. XLV-Form No.13487

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	B.F		Rs.	3,03,	13,760=00
21/19 S/F and Placing HYSD bar A5 - A_2 to P_2 Main girder & Cross Girder -do- all coop.					
8.56 M.T	vide	TMB	P-73		
8.56 M.T	"	"	P-78		
8.56 M.T	"	"	P-82		
2.954 M.T	"	"	P-75		
2.954 M.T	"	"	P-79		
31.588 M.T					
@Rs. 78,418.62/M.T				Rs. 24	77,087=00
28/18 P/V and Laying Recc of 30 Grade 20 super sto -do- all comp. items.					
52.21 M^3	vide	TMB	P-74		
31.828 M^3	vide	"	P-75		
52.21 M^3	"	"	P-78		
31.828 M^3	"	"	P-79		
52.21 M^3	"	"	P-82		
220.286 M^3					
@Rs. 10,666.52/M^3				Rs. 23,	49,685=00
23/14 Providing weep holes in wing wall & return wall -do- all coop. items.					
92.00 nos.	vide	TMB	P-80		
@Rs. 153.80 each				Rs.	14,150=00
	C.O		Rs.	3,51,541	,682=00

Continuation

Sch. XLV-Form No.134 88

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	B.F		Rs.	3,51,	54,682=00
Add @18%	GST		Rs.	63,	27,843=00
Add @1%	L. cess		Rs.	3,	51,547=00
Add S. fee			Rs.	2,	16,001=00
			Rs.	4,20,	50,073=00
Less 0.21%	be/000		Rs.		88,305=00
			Rs.	4,19,	61,768=00
Less Previous	Payment		Rs.	3,46,	00,580=00
			Rs.	73,	61,188=00
	30/04/25			30/04/25	
		S.E		A.E	

Continuation

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