

Construction of Rce HL Bridge. Span 3×16.50 m at
CH - 1 + 900 km in PMAS Road to Dubaha Tola.

Schedule XLV-Form No. 134

Executive Engineer
RWD (W) Div., Bagha-8

DIVISION

Bhitaha.

SUB-DIVISION

MEASUREMENT BOOK

527



Name of Work—
 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				Contents of area
	No.	L.	B.	D.	
Name of work: - Construction of RCC H.L.					
Bridge at ch 1+900 km in MGSY					
Road to Dubaha Tola					
Block: - Bhithaha					
Agency: - M/s Jai Bhawani ^{Engg. Con.} Pvt. Limited					
Ward No: - 26, Adarsh Colony					
Near M.T.K. College, Bettiah					
Chhapra, Bihar					
Agreement No: - 75BD/MMGSY NDB/2024-25					
Date of start: - 21.11.2024					
Time of Completion: - 20.11.2025					
Date of Measurement: -					
Details of Work done: -					
(1/2) E/w in excavation for structures					
as per drawing & technical					
specification clause 30.5.1 etc					
all complete job					
upto 3m depth					
Abutment	2 x 9.20m x	9.20m x	3.52m		= 595.86 m ³
Pier	2 x 9.20m x	5.60m x	2.50m		= 257.60 m ³
				Total	= 853.46 m ³

Continuatic:.

1 st on A/c Bill

ABSTRACT OF COST

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work:-	Construction of RCC				
	H.L Bridge at ch 1+900 km				
	in PMGSY Road to Dubaha tola				
Block:-	Bhitaha				
Agency:-	M/s Jai Bhawani Engicon				
	Pvt. Limited.				
	Ward No. 26, Adarsh colony				
	Near MJK college Bhitaha				
	West, Champaran.				
Agreement No:-	TSBD/PMGSY NDB/2024-25				
Date of start:-	21.11.2024				
Details of work done:-					
(1/62)	E/W in excavation for				
	structures as per drawing				
	& Technical Specification				
	Clause 305.1 etc.				
853.46 m ³	vide TMB, P-1				
	@ Rs 434.82/m ³ = Rs 371,101 = Rs				
(2/63)	Providing and laying				
	PCCMS in levelled course				
	below pile cap etc.				
25.27 m ³	vide TMB, P-25				
	@ Rs 9627.06/m ³ = Rs 2,43,276 = Rs				
	C.O.D 6,14,377 = Rs				

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				B.F → 66, 14, 377 = 0	
(3/64)					
Rcc grade M35 2m pile					
foundation etc all					
complete job.					
432.21 m ³		vide TMB, P-28			
(4/65)					
@ 10995 SS/m ³ = 647, 52, 387 = 0					
Bored cast 2m - Situ					
M35 grade Rcc pile					
excluding reinforcement.					
etc all complete job.					
44.00 m	"	"	P-5		
44.00 m	"	"	P-6		
47.00 m	"	"	P-8		
47.00 m	"	"	P-9		
47.00 m	"	"	P-11		
47.00 m	"	"	P-13		
47.00 m	"	"	P-14		
47.00 m	"	"	P-16		
47.00 m	"	"	P-17		
47.00 m	"	"	P-19		
47.00 m	"	"	P-20		
47.00 m	"	"	P-22		
47.00 m	"	"	P-23		
47.00 m	"	"	P-25		
T → 696.04		@ 129631.82/m			
(5/66)					
S/F/P HYSD bar re-en-					
forcement 2m Founda-					
tion complete as per					
drawn & technical					
specification etc all					
complete job.					

Continuation

C.O.B, 2, 59, 90, 511 = 0

Continuation

BF $\rightarrow$ 2,59,90,511 = 60

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5/66) Contd.:-	HYS	Reinforcement in Pond			
4.98941 M.T wide	TMB	P-3			
4.98941 M.T "	"	"	P-8		
4.98941 M.T "	"	"	P-6		
4.76812 M.T "	"	"	P-7		
4.76812 M.T "	"	"	P-9		
4.76812 M.T "	"	"	P-10		
4.76812 M.T "	"	"	P-12		
4.76812 M.T "	"	"	P-14		
4.76812 M.T "	"	"	P-15		
4.76812 M.T "	"	"	P-17		
4.76812 M.T "	"	"	P-18		
4.76812 M.T "	"	"	P-19		
4.76812 M.T "	"	"	P-21		
4.76812 M.T "	"	"	P-23		
4.76812 M.T "	"	"	P-24		
32.59893 M.T "	"	"	P-26		
T $\rightarrow$ 104.7846 M.T					
Limitado 101.42 M.T @ 76.57123 M.T = 4,77,84,718 = 60					
(6/67)	Providing steel Liner				
	6mm thick et al comp-				
	det job				
1.0658 M.T wide	TMB	P-3			
1.0658 M.T "	"	"	P-5		
1.0658 M.T "	"	"	P-6		
1.0658 M.T "	"	"	P-7		
1.0658 M.T "	"	"	P-9		
C102 5.329 M.T					

Continuation

C.O $\rightarrow$ 334,78,229 = 60

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.P. → 18353		55628 = ∞
(8/69)					
Carrying out Load Test					
on any pile as per standard					
procedure etc all complete					
job.					
(b) Routine Pile Load Test on					
Pile for 1.5 times the					
design load specified in					
drawings.					
1 No.		vide TM B	P-28		
		3 P. 25000 = ∞ Each = ∞			125000 = ∞
(90/70) (9/10)					
Carrying out Load Test					
on any pile as per standard					
procedure etc all comp-					
lete job.					
(c) Horizontal Pile Load Test					
on pile for 1.5 times the					
design load specified in					
drawings.					
1 No.		vide TM B	P-28		
		@ 1,00,000. ∞ Each = ∞			100,000 = ∞
(10/73)					
S/F/P HYSD bar reinforcement					
in sub structure etc all					
complete job.					
5.77179 MT		vide TM B	P-27		
		@ 1.76984	174/m.T = ∞		444,340 = ∞

Continuation

C.O → 36024,968 = ∞

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F. →	13,60,	24,968=00
(11/99)			Providing & fixing Logo of Project Informatory Sign Board with Logo etc all complete job.		
1 No.			vide TMB, P-27		
			@ 13,123.26 Each = Rs	13,123=00	
(12/102)			Construction of Embankment with material obtained from quarry and etc per computer job.		
1440.00 m ³			vide TMB, P-2		
			@ 259.71/m ³ = Rs	3,73,982=00	
(13/103)			Construction of Granular Sub-base by providing well graded material etc all complete job.		
90.00 m ³			vide TMB, P-2		
			@ 4938.48/m ³ = Rs	4,44,463=00	
(14/104)			Providing & laying RCC Pipe 1113 as per design in single Row.		
30.00 m			vide TMB, P-2		
			@ 7964.89/m = Rs	2,38,947=00	
			Total =	15,370,95,488=00	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F. →	163.70	95.488 = 00
Add GST @ 18% →			Rs 66,		77.187 = 00
Add L. cess @ 1% →			Rs 3,		70.955 = 00
Add S. Fee			Rs		82.012 = 00
			Total →	Rs 4,	42,25,640 =
Less → 0.11 % as per agreement = (E)					848,648 =
			Total →	Rs 4,	41,76,992 = 00
27/02/2025 J-E 27/02/2025 me					

Material statement ↓					
stone chips	→				1119.79 m ³
GSB Material (53 to 2.36 mm)	→				75.60 m ³
Coarse sand	→				592.30 m ³
Earth	→				1440 m ³
27/02/2025 J-E 27/02/2025 me					

Continuation

Details of S. Fee

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>material</u>		<u>Qty</u>	<u>Rate</u>	<u>Amount</u>	
Aggregate 40 mm → 13.65 m ³		@ 44.08/m ³		602.1 = 0	
Aggregate 20 mm → 66.05 m ³		@ 55.05/m ³		3,663.43 = 0	
Aggregate 10 mm → 441.09 m ³		@ 614.17/m ³		2,70,904 = 0	
G.S.B material S3 do S5 mm → 54.00 m ³		@ 516.42/m ³		27,887 = 0	
S.S do 2.36 mm → 21.60 m ³		@ 411.33/m ³		8,885 = 0	
Earth → 1440.00 m ³		@ 35.25/m ³		50,760 = 0	
Coarse sand → 592.30 m ³		@ 150.80/m ³		89,319 = 0	
		Total		Rs 8,20,119 = 0	
Hence, S- Fee = 10% of Rs 8,20,119 = 0					
				= Rs 82,011 = 90	
				Sum Rs 82,012 = 0	
HE 27/02/2025 J-E				k/mant 22/02/2025 AE	

Continuation