

Name of works - Construction of Minor Bridge over Nehra

Schedule XLV-Form No. 134

River Rec Road To Pachamwa

~~KLABARD~~

M.O.N. 1730/23-24

DIVISION

Name of Block. Nasikati gaf **SUB-DIVISION**

MEASUREMENT BOOK

M/s Meera Niswan

1730

Sch.XLV-Form No. 134

Particulars	Details of actual measure				Contents of area
	No.	L	B	D	
Name of work: - Construction of minor bridge over Rohua river in REO Road to Pachamara.					
Block: - Narkatia gram.					
Agency: - M/s Narayani Nirman.					
At: - Harinathika chauri, Bettiah West Champaran.					
Agreement No: - 15/2023-24					
Date of start: - 4.11.2023					
Time of completion: - 3.11.2024					
ADOC: - 22.10.2024					
Agreement value: - Rs. 39,31,607 = ∞					
Details of work done: -					
(1) E/W in Excavation for					

	structures etc all			
	complete job.			
	(i) up to 3m depth			
333.13 M ³	vide TMB, P-58			
	@ Rs 427.089/M ³ = Rs. 1,42,276 = ∞			
	(ii) 3m to 6m depth			
146.75 M ³	vide TMB, P-58			
	@ Rs 507.17/M ³ = Rs. 74,427 = ∞			
(2)	Providing and laying of RCC M/S in kerb/curb course etc all complete job.			
17.39 M ³	vide TMB P-58			
	@ Rs 934.78/M ³ = Rs. 1,62,575 = ∞			
	C.O @ Rs 379.278 = ∞			

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L	B	D	
				13.52 m	77.278 m
(1) Rec. type in pile foundation - etc all complete job.					
239.576 m ³	Vide	TMB, P-Sg			
	@ Rs	10276.45/m ³			= Rs 2462,196.20
(4/4) Bored cast in situ M35 grade Rec pile - excluding reinforcement - etc all complete job.					
384 M	Vide	TMB P-Sg			
	@ Rs	31530.72/M			= Rs 12,107,796.20
(5/5) S/F/P HYSD bar reinfor- cement in Foundation - etc all complete job.					
53.061 M.T	Vide	TMB, P-Sg			
	@ Rs	80730.99/M.T			= Rs 42,83,667.20
(6/6) Providing steel Liner 6mm thick etc all complete job.					
6.389 M.T	Vide	TMB, P-Sg			
	@ Rs	105,731.24/M.T			= Rs 6,75,517.20
(7/7) Providing and construct Temporary Earth Island - etc all complete job.					
1 No.	Vide	TMB, P-Sg			
	@ Rs	78,583.82/Each			= Rs 78,584.20
					C.O.D. 199,87,038.20

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L	B	D	
					12.00 x 1.77 x 1.38 = 2.80
① Providing and Constructing					
one span Service road					
etc all complete job.					
28.08 m					
					@ Rs 4378.01/m = Rs 1,22,934.00
②					
carrying out load test					
on any pile as per standard					
procedure etc all complete					
job.					
③					
Initial load test on					
test pile etc all					
complete job.					

1 No.	vide TMB, P-60			
	@ Rs 1,50,000.00 Each = Rs 1,50,000.00			
④				
Routine pile load test				
on pile for 1.5 times the				
design load etc all				
complete job.				
1 No.	vide TMB, P-60			
	@ Rs 1,25,000.00 Each = Rs 1,25,000.00			
⑤				
Horizontal pile load test				
on pile for 1.5 times the				
design load specific to				
as the drawing etc all				
complete job.				
1 No.	vide TMB, P-60			
	@ Rs 1,00,000.00 Each = Rs 1,00,000.00			

Continuation C.O. 20484972=

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Particulars	Details of actual measure				Contents of area
	No	L	B	D	
					12.181712 =
(10) R.C.C. grade 1/20 in sub-structure etc all complete job.					
(i) up to 5 m ht.					
158.57 m ³ vide TMB, P-61					
					@ Rs 10768.74/m ³ = Rs 1,707,599 =
(ii) 5 m to 10 m ht					
8.296 m ³ vide TMB, P-61					
					@ Rs 10872.04/m ³ = Rs 90,194 =
(11) R.C.C. M35 in sub-structure etc all complete job					
7.206 m ³ vide TMB, P-61					
					@ Rs 10978.15/m ³ = Rs 79,253 =
(12) S/F/P HYSD bar reinforcement in sub-structure etc all complete job					
21.7728 m.T vide TMB, P-61					
0.33708 m.T " " P-68					
T 22.10976 m.T					
Limited to 22.107 m.T					@ Rs 80954.52/m.T = Rs 17,89,662 =
(13) S/F/F in position true to line and level POT-PTFE bearings etc all complete job.					
12 Nos. vide TMB, P-61					
					@ Rs 51114.04 each = Rs 6,13,368 =
(14) S/F/F in position true to line & level Elastomeric bearings etc all complete job -					
112,500 cc vide TMB, P-61					
Continuation					= Rs 1,02,375 =
@ Rs 0.91/cc					
C-02 Rs 2,48,674.23 =					

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Particulars	Details of actual measure				Contents of area
	No.	L	B	D	
					B = 6,348,674.22 m
(16/16) Providing and laying etc all complete job.					
132.443 Vide TMB, p-62					
(16/16) @ Rs 159.71 Each = Rs 21,082.20					
Backfilling behind abutment, wing wall and R. wall strall complete job.					
152.67 M ³ Vide TMB, p-62					
@ Rs 985.03/M ³ = Rs 1,50,385.20					
(17/17) Providing and laying Filter media with granular crushed aggregates etc all complete job.					
85.053 M ³ Vide TMB, p-62					
@ Rs 5147.67/M ³ = Rs 4,27,529.20					
(18/18) Providing & laying RCC 40 in Superstructure etc all complete job.					
85.32 M ³ Vide TMB, p-62					
@ Rs 11943.88/M ³ = Rs 10,19,052.20					
(19/19) S/F/P HYSD bar reinforcement in Superstructure etc all complete job.					
15.236 MT Vide TMB, p-63					
@ Rs 82685.19/MT = Rs 12,59,792.20					
					C.O Rs 2,77,45,263.20

Continuation

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Particulars	Details of actual measure				Contents of area
	No.	L	B	D	
(15/10) Providing and laying of cement concrete wearing course 150 etc all complete job					1745.285 = 0
20.2275 m ³ vide TMB, P-68					
(21/21) Construction of Rcc railing of M/s grade 2m cast in situ etc all complete job,					
71.92 m vide TMB, P-68					
@ Rs 19875.77/m ³ = Rs 4,02,037 = 00					
(22/22) Drainage about complete as per drawings & technical specification clause 1209					
16 NOS. vide TMB, P-63					
@ Rs 6302.45 each = Rs 1,00,839 = 00					
(23/23) Rcc M/s grade 200 levelling course below approach road etc all complete job.					
7.155 m ³ vide TMB, P-64					
@ Rs 9008.15/m ³ = Rs 64,453 = 00					
(24/24) Rcc M/s grade Approach slab including reinforcement etc all complete job.					
16.965 m ³ vide TMB, P-64					
@ Rs 16101.09/m ³ = Rs 2,73,155 = 00					

Continuation C 0 2 2 8 9 2 0 2 9 8 = 00

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Particulars	Details of actual measure				Cubics of work
	No.	L.	B.	D.	
				13 1/2 x 10 1/2 x 10 1/2	
(25) 25.357	Providing and Laying of a strip of expansion joint etc all complete job.				
	vide TMB, P-64				
	@ Rs 14170.68/m = Rs 359,227=				
(26) 26	Providing & fixing 20mm thick compressible Fibre etc all complete job.				
	16.90 M vide TMB, P-64				
	@ Rs 288.15/m = Rs 4870=				
(27) 27	Providing & fixing in position 20mm thick				
	Present and J.P. etc all complete job.				
	16.90 M vide TMB, P-64				
	@ Rs 405.05/m = Rs 6845=				
(28) 28	Clearing and grubbing road land etc all complete job.				
	0.171 Hec vide TMB, P-65				
	@ Rs 75573.34/Hec = Rs 12923=				
(29) 29	Construction of Embankment with approved material obtained from 100m lead etc all complete job.				
	3524.00 M ³ vide TMB, P-74				
	@ Rs 261.09/M ³ = Rs 920,081=				

Continuation C-02, 302,24,244=

Particulars	Details of actual measurement			Quantity of work
	Qty	L	B	
(30)	Construction of subgrade and formation shoulder etc. all complete job.			
431.25 m ²	vide TMB, p-69			
183.72 m ²	"			
73.634.47 m ³	"			
Leant. 679.15 m ³	@ Rs. 63/m ³ = Rs. 1,66,518 =			
(31)	Construction of Granular sub-base by providing well graded material etc. all complete job.			
179.33 m ³	vide TMB, p-69			
	@ Rs. 4735.54/m ³ = Rs. 8,49,224 =			
(32)	Providing and Laying			

stone aggregates of specific sizes to WMM-3 Specification etc. all complete job.				
62.775 m ³	vide TMB, p-70			
	@ Rs. 6370.60/m ³ = Rs. 3,99,914 =			
(33)	Providing and applying primer coat etc. all complete job.			
836.45 m ²	vide TMB, p-70			
	@ Rs. 59.01/m ² = Rs. 49,359 =			
(34)	Providing & applying tack coat etc. all complete job.			
836.45 m ²	vide TMB, p-71			
	@ Rs. 20.20/m ² = Rs. 16,896 =			

Continuation of Rs. 3,17,06,155 =

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(31) Providing large 2 rolls of close graded premix surfacing material etc all complete job.	836.45 m ²	vide TMB, p-71			Rs. 13,317.46, 155.00
(36) Providing & fixing Informatory sign board with LOGO as per MORD specifications & drawings etc all complete job.	3 Nos.	vide TMB, p-71			@ Rs 323.74/m ² = Rs 2,709.60 = Rs
(37) Providing and laying of hot applied Thermo plastic compound etc all complete job.	35.40 m ²	vide TMB, p-72			@ Rs 886.00/m ² = Rs 31,364.00 = Rs
(38) Providing and erecting a "W" metal beam crash barrier etc all complete job.	80.00 m	vide TMB, p-72			@ Rs 4111.20/m = Rs 3,28,896.00 = Rs
(39) Construction of Embankment with material obtained from 1000 M load etc all complete job.	541.31 m ³	vide TMB, p-65			Continuation @ Rs 2611.89/m ³ = Rs 1,41,331.00 = Rs C.O. @ Rs 3,25,10,883 = Rs

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
(40/40)			121.0533		10,983.20
Construction of Granular sub base by providing well graded material etc all complete job.					
39.375 m ³ wide TMB, P-73					
(41/41)			@ 4735.54/m ³	= 186,462.00	
Providing and laying RCC Pipe N.P. as per design in single row etc all complete job.					
1000 mm dia dia					
30 M wide TMB, P-73					
(42/42)			@ 7845.91/m	= 16,235,377.00	
Dismantling of Existing structures etc all complete job.					
48.40 m ³ wide TMB, P-65					
(43/43)			@ 1713.06/m ³	= 82,912.00	
Providing and laying boulder pitching on slopes laid over filter media etc all complete job.					
48.43 m ³ wide TMB, P-74					
163.836 m ³ " " P-75					
(44/44)			@ 5421.53/m ³	= 11,50,806.00	
Providing & laying filter material underneath pitching etc all complete job.					
81.91 m ³ wide TMB P-75					
(45/45)			@ 5137.16/m ³	= 4,20,785.00	
Continuation Total					345,87,225.00

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Particulars	Details of actual measure				Contents of area
	No.	L.	B.	D.	
					As per 345,872.50
Add GST @ 18%					Rs. 62,25,701.20
Add L.Cess @ 1%					Rs. 345,872.50
Add S.Fee (As per 1st bill)					Rs. 50,947.50
Add S.Fee (As per 2nd bill)					Rs. 45,926.50
Add S.Fee (As per 3rd bill)					Rs. 12,067.50
Add S.Fee (As per 4th bill)					Rs. 19,280.00
Add S.Fee (For 5th bill) As calculated below					Rs. 59,433.00
					Total Rs. 413,46,451.00
Less → 13.03% as per agreement = (C)					Rs. 53,87,443.00
					Total Rs. 359,59,008.00
Less Previous payment = (C)					Rs. 313,04,307.00
					Total Rs. 46,54,701.00

R.D. 22/10/24
J.E.

22/10/24
A.C.

(S)	Material	Details of		S.Fee (Per 5th bill)	
		Qty	Unit	Rate	Amount
(1)	Earth →	1950.70 m ³	m ³	35.00	68,275.00
(2)	Granular Sub base material 53 to 9.5 mm	131.22	m ³	931.75	1,22,264.00
(3)	do do 9.5 to 2.36 mm	67.56	m ³	429.97	29,049.00
(4)	coarse sand →	78.73	m ³	577.80	45,490.00
(5)	stone metal 53 to 22.4 mm →	25.96	m ³	1100.04	28,569.00
(6)	stone screening 132 to 109 mm	120.87 m ³	m ³	595.16	71,937.00
(7)	stone Boulder	254.72	m ³	686.03	1,74,746.00
(8)					Total Rs. 594,330.00
					Hence S.Fee = 10% of Rs. 594,330.00 = Rs. 59,433.00

R.D. 22/10/24
J.E.

22/10/24
A.C.

Continuation