

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	8th on A/c Bill.				
N/W: →	constn. of road R.C.C bridge				
	in Patahi Thanda chaur				
	to Sugarpur road in				
	Kodaria village under				
	State Scheme 4515 (NABARD)				
Agency: →	M/s Kumar constn. company				
	C/o- Surendra Kumar, Chhatani				
	Motihari, East Champaran.				
Agreement no: →	20 SBD/2023-24				
D.O.S →	15.12.2023				
D.O.C →	14.12.2025				
D.O.M →	23.12.2024 to				
1.) Supplying, cutting and placing					
HYSD bar in Main girder and					
cross girder do-all comp. job.					
28mm φ, 3x	4x	18.440x	@ 4.83 kg/m	= 1068.782kg	
3x	4x	18.440x	@ 4.83 kg/m	= 1068.782kg	
3x	2x	19.608x	@ 4.83 kg/m	= 568.240kg	
3x	2x	18.316x	@ 4.83 kg/m	= 530.798kg	
3x	2x	16.430x	@ 4.83 kg/m	= 476.141kg	
4x	14.590x	@ 4.83 kg/m	= 281.879kg		
6mm φ, 3x	4x	17.008x	@ 1.58 kg/m	= 322.472kg	
8mm φ, 3x	20x	17.020x	@ 0.22 kg/m	= 224.664kg	
Continuation				= 4541.758kg	
C.D					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			B.F = 4541		758 kg
	3	19	1.035	@ 0.22 kg/m	= 12.978 kg
	3	39	0.750	@ 0.22 kg/m	= 19.305 kg
10mmφ, 3x104x	3	756	@ 0.62 kg/m		= 1453.12 kg
Cross Girder.					
20mmφ,					
	6	8.096	@ 2.47 kg/m		= 119.982 kg
	4	8.284	@ 2.47 kg/m		= 81.846 kg
25mmφ,					
	6	8.350	@ 3.86 kg/m		= 193.386 kg
	3	8.350	@ 3.86 kg/m		= 96.693 kg
	3	6.495	@ 3.86 kg/m		= 75.212 kg
	2	6.495	@ 3.86 kg/m		= 50.141 kg
	2	8.494	@ 3.86 kg/m		= 65.573 kg
10mmφ,					
	66	2	2.785	@ 0.62 kg/m	= 227.924 kg
	28	2	3.586	@ 0.62 kg/m	= 124.505 kg
6mmφ, 24x	5.950	@ 0.22 kg/m			= 31.416 kg
	12	5.250	@ 0.22 kg/m		= 13.860 kg
	12	6.750	@ 0.22 kg/m		= 17.820 kg
	16	2.930	@ 0.22 kg/m		= 10.313 kg
16mmφ, 18x	3.995	@ 1.58 kg/m			= 113.617 kg
12mmφ, 4x	7.604	@ 0.89 kg/m			= 27.07 kg
					7276.46 kg

Continuation of, 7.276 kg

30/12/24
 J.E

30/12/24
 A.E

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2.) Providing and laying 4-35 grade in plain girder & cross girder					
-do- all comp. job					
	3x	16.50x	0.300x	1.360	20.196 m ³
	3x	5.30x	0.250x	1.360	5.406 "
					25.602 m ³

3.) Supplying, getting and placing HYSD bar in slab and railing for super
-do- all comp. job

12 mm ϕ ,	72x	7.252x	@ 0.89 kg/m	= 464.708 kg
	74x	5.300x	@ 0.89 kg/m	= 349.058 kg
	78x	5.300x	@ 0.89 kg/m	= 367.926 kg
16 mm ϕ ,	156x	2.325x	@ 1.58 kg/m	= 577.066 kg
8 mm ϕ ,	138x	1.850x	@ 0.39 kg/m	= 99.567 kg
	24x	17.240x	@ 0.39 kg/m	= 161.366 kg
	24x	17.252x	@ 0.39 kg/m	= 161.366 kg
	24x	17.020x	@ 0.39 kg/m	= 159.307 kg
	10x	17.020x	@ 0.39 kg/m	= 66.378 kg
	10x	17.020x	@ 0.39 kg/m	= 66.378 kg
	15x	1.700x	@ 0.39 kg/m	= 9.945 kg
	8x	17.020x	@ 0.39 kg/m	= 53.602 kg
	116x	1.656x	@ 0.39 kg/m	= 74.917 kg

Continuation 2611.196 kg

C.O. = 0.0, 2.611 m.T

$$50 \times 26.25 \times 0.30 = 1487.46 \text{ kg}$$

$$509 \times 7.50 \times 0.27 = 1488.83 \text{ kg}$$

$$\frac{1487.46 + 1488.83}{2} = 2976.29 \text{ kg}$$

$$\text{or } 2.976 \text{ MT}$$

$$\text{Total} = 2.61 + 2.976$$

$$= 5.587 \text{ MT}$$

12/01/25
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. > Providing, laying and R.C.C. 4-30 grade in slab and railing - do - all comp. job. (P ₃ - P ₂)					
	1 X	16.50 X	8.45 X	0.275	38.34 m ³
	2 X	16.50 X	0.450 X	0.250	3.71 "
					42.05 m ³
5. > Providing R.C.C. 4-30 grade in railing - do - all comp. job.					
	2 X	76.28 M			152.56 M.
6. > Providing Drainage Spout - do - all comp. job.					
	4 X	2 X	3		24.00 nos.
7. > P/L cement concrete wearing coat - do - all comp. job.					
	76.28 M X	7.50 X	0.075		42.91 m ³
					Limit 42.90 m ³
8. > P/L of a strip seal Expansion joint - do - all comp. job.					
	5 X	8.45 M			42.25 M.

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9.) P/A two coats of water based cement paint - Do - all comp. job.					
				→	2087.00 m ²
10.) Numbering & whitening bridge detail - Do - all comp. job.					
				→	3000.00 m ²
11.) Providing and painting of blood gauge - Do - all comp. job.					
				→	1.00 L.S.
12.) Providing and Erecting direction and place identification					
- Do - all comp. job.				→	
					2 x 1.20 x 0.75 = 1.80 m ²
13.) clearing and grubbing road land - Do - all comp. job.					
					(75 + 75 + 2.50 x 3.50) x 7.50 = 1177.50 m ²
					or 0.118 H ₉

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
14. > constn. of Embankment with					
Material obtained from borrow					
pits - 20 - all comp. job.					
CH	Area	Mean area	Dist.	Volume.	
		A1 Side			
0	49.170	—	—	—	
25	26.733	37.952	25	948.788	
50	15.685	21.209	25	530.225	
75	4.754	10.220	25	255.488	
		A2 Side			
0	52.20	—	—	—	
25	27.214	40.733	25	1018.313	
50	14.516	21.865	25	546.625	
75	4.829	9.673	25	241.813	
				3541.252	
net E/W Qty = (3541.252 - 593.156)					
= 2948.096					
From 15/02/25 J.E 27 15/02/25 A.E					
15. > constn. of Subgrade - So. all					
comp. job.					
A1 Side	1 x 15 x	$\frac{8.60 + 9.80}{2}$	0.300	41.400	
	2 x 30 x	$\frac{8.60 + 9.80}{2}$	0.300	165.600	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
A_2 Side	1x	15x	$\frac{8.60+9.80}{2}$	0.300	$= 41.400 \text{ m}^3$
	2x	30x	$\frac{8.60+9.80}{2}$	0.300	$= 115.600 \text{ m}^3$
					414.00 m^3
 <i>[Signature]</i> 20/02/25 J.E <i>[Signature]</i> 20/02/25 A.E 					
16) constn. of Gr-B Gr-I					
- do - all comp. job.					
$A_1 \rightarrow$	15x	$\frac{7.80+4.05}{2}$		0.200	$= 17.775 \text{ m}^3$
	60x	4.05×0.200			$= 48.600 \text{ m}^3$
$A_2 \rightarrow$	15x	$\frac{7.80+4.05}{2}$		0.200	$= 17.775 \text{ m}^3$
	60x	4.05×0.200			$= 48.600 \text{ m}^3$
					132.750 m^3

 <i>[Signature]</i> 25/02/25 J.E <i>[Signature]</i> 28/02/25 A.E 					
17) P/L and spreading and compacting					
work Gr-III - do - all comp. job.					
$A_1 \rightarrow$	15x	$\frac{7.50+3.75}{2}$		0.075	$= 6.328 \text{ m}^3$
	60x	3.75×0.075			$= 16.875 \text{ m}^3$
$A_2 \rightarrow$	15x	$\frac{7.50+3.75}{2}$		0.075	$= 6.328 \text{ m}^3$
	60x	3.75×0.075			$= 16.875 \text{ m}^3$
					46.406 m^3
 <i>[Signature]</i> 01/03/25 J.E <i>[Signature]</i> 01/03/25 A.E 					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
18. > P/A Prime coat					
- do - all comp. job					
A ₁ →	15x	$\frac{7.50 + 4.05}{2}$			= 86.625 m ²
	30x	$\frac{4.05 + 3.75}{2}$			= 117.000 "
	30x	3.75			= 112.500 "
A ₂ →	15x	$\frac{7.50 + 4.05}{2}$			= 86.625 "
	30x	$\frac{4.05 + 3.75}{2}$			= 117.000 "
	30x	3.75			= 112.500 "
					632.25 m ²
					Limit = 618.750 m ²

19. > P/A tack coat - do - all comp. job					
Qty vide TMB P-16, item-18 →					618.750 m ²
20. > Providing, laying and rolling					
20mm thick H.S. - do - all comp. job.					
A ₁ →	15x	$\frac{7.50 + 4.05}{2}$			= 86.625 m ²
Check	30x	$\frac{4.05 + 3.75}{2}$			= 117.000 "
$\frac{25}{103.75}$	30x	3.75			= 112.500 "
A ₂ →	15x	$\frac{7.50 + 4.05}{2}$			= 86.625 "
	30x	$\frac{4.05 + 3.75}{2}$			= 117.000 "
					Continuation
	30x	3.75			= 112.500 "
					632.750 m ²
					Limit → 618.750 m ²

[Signature]
08/03/25
J.E

[Signature]
10-03-25

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
21.) Providing and laying pitching on slopes laid over filter media					
- Do - all comp job.					
$b \rightarrow 2 \times 8.450 \times \sqrt{(2.553)^2 + (5.100)^2} \times 0.300 = 28.5314$					
$A_1 \rightarrow 2 \times 1 \times 30 \times \frac{5.627}{2} \times 0.300 = 101.286''$					
$A_2 \rightarrow 1 \times 45 \times \frac{(8.70 + 2.80)}{2} \times 0.300 = 77.625''$					
$1 \times 19 \times \frac{(5.10 + 3.90)}{2} \times 0.300 = 25.650''$					
Chk'd					233.0924 ³
21	10/03/25	J.E	10/03/25	A.E	
22.) Providing and laying filter media underneath in slope					
- Do - all comp. job.					
$Ab \rightarrow 2 \times 8.450 \times \sqrt{(2.553)^2 + (5.100)^2} \times 0.150 = 14.2657$					
$A_1 \rightarrow 2 \times 30 \times \frac{(7.70 + 3.60)}{2} \times 0.150 = 50.85''$					
$A_2 \rightarrow 1 \times 45 \times \frac{8.70 + 2.80}{2} \times 0.150 = 38.812''$					
$1 \times 19 \times \frac{5.10 + 3.90}{2} \times 0.150 = 12.825''$					
Chk'd					116.7524 ³
22					Remit = 116.7494 ³
10/03/25	J.E				

Continuation

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Continuation

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Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
	B.F	—	Rs. 1,03,56,970=00	
2/13 > P/v. steel liner 6mm thick for Piles - do - all comp. job.				
19.18 M.T vide TMB P-02				
@ Rs. 106716.19/M.T —			Rs. 20,46,817=00	
3/4 > Bored cast in situ 14.35 do - all comp. job.				
750.00 RM vide TMB P-02				
@ Rs. 18536.11/RM —			Rs. 1,39,02,083=00	
9/05 > Dismantling of RC Pile head - do - all comp. job.				
23.069 M ³ vide TMB P-03				
@ Rs. 1588.93/M ³ —			Rs. 36,655=00	
10/06 > P/v and laying Pile 14-15 in levelling course do-all comp. job.				
42.28 M ³ vide TMB P-03				
@ Rs. 7832.47/M ³ —			Rs. 3,31,157=00	
11/31(A) > Pile load test on single Pile - do - all comp. job.				
720.00 M.T vide TMB P-03				
@ Rs. 300.00/M.T —			Rs. 2,16,000=00	
	C.O	—	Rs. 2,68,89,682=00	

Continuation



Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F		Rs. 3,28,75		339=00
17 > P/v weep holes Do-all					
12 comp. job					
112.00 no. vide TMB			P-04		
@ Rs. 153.80 each				Rs. 17,226=00	
18 > P/v Back filling Do-all					
14 comp. job					
158.036 M ³ vide TMB			P-04		
@ Rs. 1519.58/M ³				Rs. 2,40,148=00	
19 > P/v and placing HYSD					
17 Bar 20 Super-str					
Do-all comp. job					
29.724 M.T vide TMB			P-04		
7.276 M.T vide TMB			P-10		
5.587 M.T vide TMB			P-12		
42.587 M.T					
emit → 41.492 M.T					
@ Rs. 78385.28/M.T				Rs. 32,52,362=00	
20 > P/v RCC M-35 Do-all comp. job					
07 465.418 M ³ vide TMB			P-05		
@ Rs. 9215.51/M ³				Rs. 42,89,064=00	
21 > P/v RCC M-30 Grade 20					
16 Super-str Do-all comp. job					
208.362 M ³ vide TMB			P-05		
25.602 M ³ " "			P-11		
42.05 M ³ " "			P-12		
276.014 M ³					
emit → 244.800 M ³					
Continuation					
C.O. Rs. 4,06,74,139=00					

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B.F		Rs	4,06,74,139=00		
@Rs. 10560.75/m ³			Rs. 25,85,272=00		
22/37 > clearing and grubbing road and do-all comp. job.					
0.118 m ³ vide TMB P-13					
@Rs. 75,573.34/m ³			Rs. 8918=00		
23/15 > P/L filter media - do-all comp. job.					
69.027 m ³ vide TMB P-05					
@Rs. 4443.80/m ³			Rs. 3,06,742=00		
24/38 > constn. of Embankment - do-all comp. job.					
2948.096 m ³ vide TMB P-14					
@Rs. 211.35/m ³			Rs. 6,23,080=00		
25/40 > constn. of G.S.B. for P - do-all comp. job.					
132.750 m ³ vide TMB P-15					
@Rs. 4026.40/m ³			Rs. 53,45,505=00		
26/21 > P/V RCC (4-15 below) Approach slab do-all comp.					
7.88 m ³ vide TMB P-6					
@Rs. 7832.68/m ³			Rs. 61,682=00		
C.D		Rs	4,47,94,338=00		

Continuation



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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		B.F.	KA	4,47,	94,338=00
27/27 > P/V RCC 14-30 in Approach					
Slab do - all comp. job.					
17.744 M ² vide THB P-06					
KA. 13019.66/M ²				Rs. 2,	31,021=00
3/3 > Providing RCC 14-30 Grade					
in railing do - all comp.					
52.56 M vide THB P-12					
KA. 2318.16/M				Rs. 3,	53,658=00
29/29 > Providing Drainage Spout					
do - all comp. job.					
24.00 nos. vide THB P-12					
KA. 6171.69 each.				Rs. 1,	48,121=00
30/18 > P/L cement concrete					
wearing coat do - all comp.					
42.90 M ² vide THB P-12					
KA. 14876.86/M ²				Rs. 6,	38,217=00
31/22 > P/L a strip Seal Expansion					
joint do - all comp. job.					
42.25 M vide THB P-12					
KA. 14,167.90/M				Rs. 5,	98,594=00
32/24 > P/A water base cement paint do - all.					
2087.00 M ² vide THB P-13					
KA. 127.92/M ²				Rs. 2,	66,969=00
Continuation					
C.O. —					Rs. 4,70,30,918=00

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F.		Rs 4, 70, 30		918=00
33 25 > Numbering & whitening Bridge					
Detail - Do - all comp. job.					
3000.00 cm	vide	TMB	P-13		
@ Rs 0.77/cm				Rs	2310=00
34 26 > Providing and painting of					
blood gauge - Do - all comp.					
1.00 L.S	vide	TMB	P-13		
@ Rs 5000/L.S				Rs	5000=00
35 27 > Providing and Erecting direct					
and place identification					
Do - all comp. job.					
1.80 M ²	vide	TMB	P-13		
@ Rs 13289.71/M ²				Rs	23,921=00
36 39 > constn. of subgrade					
- Do - all comp. job.					
414.00 M ³	vide	TMB	P-13		
@ Rs 213.78/M ³				Rs	88,505=00
37 41 > P/L, spreading and compacting					
10304.95 M ³	vide	TMB	P-15		
@ Rs 5507.59/M ³				Rs	2,55,585=00
38 42 > P/A Prime coat - Do - all comp.					
618.750 M ²	vide	TMB	P-16		
@ Rs 47.19/M ²				Rs	29,199=00
	C.D			Rs 4, 74, 35, 438=00	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B.F			Rs 4,74,35	438.00
39 > P/A tack coat					
43 > -do- all comp. job.					
618.750 m ² vide TMB P-16					
@ Rs. 16.98/m ²				Rs.	10,506.00
40 > P/L and rolling 20 mm					
44 > thick c/s -do- all comp.					
618.750 m ² vide TMB P-16					
@ Rs. 268.06/m ²				Rs.	1,65,862.00
41 > P/L pitching on slopes					
35 > -do- all comp. job.					
233.092 m ³ vide TMB P-17					
@ Rs. 4426.09/m ³				Rs.	10,31,686.00
42 > P/L Filler on 219 underground					
36 > -do- all comp. job.					
116.749 m ³ vide TMB P-17					
@ Rs. 4698.49/m ³				Rs.	5,49,544.00
43 > P/L Boulder Approach on river					
34 > bed -do- all comp. job.					
160.813 m ³ vide TMB P-18					
@ Rs. 4426.09/m ³				Rs.	7,11,771.00
44 > Providing boundary pillar					
46 > -do- all comp. job.					
120.00 nos. vide TMB P-18					
@ Rs. 650.89 each				Rs.	78,107.00
Continuation					
C.O				Rs.	4,99,81,914.00

Continuation