3rd on A/C Bill

Sch. XLV-Form No. 134

Particulars of Measurement

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
NIW — Construction of RCC high level Bridge at near house of Dhobighat at Uchhbaga Mastharpur under Western Madhuban barsaha Panchayat in Baysalla					
Agency — Ajay kumar Mandal					
Date of start — 06-05-2020					
Date of completion — 05-05-2021					
Date of Measurement — 6-6-2024					

(1) Providing ~~earthwork Road~~ from one to another stream of all complete job

— 2 × 17.11 M = 34.22 M

(2) Providing RCC M30 in sub structure up to 5M with admixture including all complete job

Abutment

$2 \times 8.450 \times \frac{1.150 + 0.900}{2} \times 4.350 = 75.30\ m^3$

Pier

$1 \times 7.250 \times 1.200 \times 4.600 = 40.02\ m^3$

$1 \times 2 \times \frac{1}{2}\pi (1.20)^2 \times 4.60 = 5.20\ m^3$

Dirt wall

$2 \times 8.450 \times 0.350 \times 0.400 = 2.37\ m^3$

Continuation

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
Footing					
2 × 8.450 × 0.135				=	2.28 m³
Annet Cub					
2 × 8.450 × 0.950 × 0.300				=	4.82 m³
Pier Cub					
1 × 7.250 × 1.250 × 0.300				=	2.72 m³
− 2 × ½ π (1.250/2)² × 0.300				=	0.37 m³
RCW					
~~4 × 3.850 × 0.600 ×~~					
4 × 4.00 × (0.650+0.550)/2				× 4.60 =	44.16 m³
− 4 × 4.00 × (0.650+0.550)/2				× 0.300 =	2.88 m³
					180.17 m³
(3) Footing RCC M30 in					
Sub Structure from 5 m/b 10 m					
do-b-all Cubic Job					
− Dutwall − 2 × 8.450 × 0.350 × 1.622				=	9.59 m³
RCW :					
4 × 4.00 × (0.550+0.650)/2				× 1.660 =	14.61 m³
Pedestal					
Abutt					
2 × 3 No × 0.930 × 0.550 × 0.250				=	0.77 m³
Pier					
1 × 3 No × 0.930 × 1.250 × 0.250				=	0.87 m³
					25.84 m³
(4) Sub Structure below Ground Level					
Beam in Sub Structure do					
do all Cubic Job					

Continuation

Sch. XLV-Form No. 134

Particulars	No.	L.	B.	D.	Contents of area
Qty vide sl No (1) P-45 vide —					3·245 MT
Qty vide sl No (2) P-46 vide —					1·792 MT
Qty vide sl No (3) P-46 vide					0·761 MT
Qty vide sl No (4) P-42 vide					2·463 MT
Qty vide sl No (5) P-48 vide					0·191 MT
					8·452 MT
Qty vide sl No (8) P-43 vide					7·054 MT
					15·506 MT
				Wt	15·426 MT
(5) Providing Brick bedding behind Abutment deck all complete					
(i) Abutment Pile cap.					
2 × 2×(9·00+6·00) × 0·700 × 1·80 =					~~75·60 m3~~
[illegible]					
~~7×~~ 2×(9·00+6·00) × 0·500 × 1·80 =					27·00 m3
Abutment behind					
2 × 3·850 × 7·50 × 6·250 (~~6·000~~) =					360·94 m3 ~~346·50 m3~~
					463·50 m3
Deduction Filter materials					
2 × 7·50 × 0·600 × 6·250 =					56·25 m3
2 × 2 × 3·250 × 0·600 × 6·250 =					48·75 m3
				(−)	105·00 m3 (A)
					358·50 m3
				Wt	288·420 m3
(6) Providing filter materials behind Abutment deck all					
Qty vide sl No (5) AP-54 vide					105·00 m3
				Wt	104·95 m3

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(7) Supplying Elastomeric					
Bearings do do all					
Cubic Mtr					
— Main Bridge					
12 × 63.00 × 22.00 × 6.10 = 101455.20 Cum					
Abut Seismic Unit					
4 × 60 × 55.00 × 5.00 = 66000.00 Cum					
Piers Seismic Unit					
2 × 60.00 × 115.00 × 5.00 = 69000.00 Cum					
				236455.20 Cum	
(8) Providing RCC M30					
Super Structure with T Beam					
and Deck Slab do do					
all Cubic Mtr					
— 2 × 3 No. × 16.700 × 0.300 × 1.250 = 37.58 m3					
2 × 16.700 × 8.450 ×	0.215+0.350+0.215+0.350+0.215+0.350+0.215		7	= 77.00 m3	
Kerb					
2 × 2 × 16.700 ×	(0.450+0.400)/2 × 0.300			= 8.52 m3	
				123.10 m3	
			less	122.40 m3	
(9) Supplying fitting Assembly					
Bearing S/S do do all					
Cubic Mtr					
Quantity as per (6) Page No.				15.564 MT	
Quantity as per (7) Page No.				6.282 MT	
				21.846 MT	
			less	20.746 MT	

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(10) Providing Railing RCC with all materials etc. to all complete job					
— 2×2× 17.00 = 68.00 M					
(11) Providing steel strip seal expansion joint etc. all complete job					
— 3×8 4.80 = 25.35 M					
~~(12) Providing diversion Road with all complete job~~					
~~— 2×30.00 × (1.20+5.00)/2 × 1.40 =~~					714.00 m3
					675.00 m3
(13) Providing WBM Gr I with diversion Road etc. do.					
— 2×30.00 × 5.00 × 0.200 =					60.00 m3
					55.00 m3
(14) Earth work in approach Road with lead ~~....~~ 6.00 m from Borrow pits etc. all complete job					
By Earth Road Chart					

Chainage	Fill Area	Mean Area	Dist	Volume
00.00	2.270	—	—	—
50.00	2.074	2.172	50	108.600
100.00	3.772	2.923	50	146.150

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
150-00	6.678		5.200	50	260-00
175-00	24.013		15.321	25	383.013
200-00	36.860		30.407	25	760.163
250-00	53.327		45.014	50	2253.135
283-00	48-233		~~44.886~~	—	—
300-00	41.538		44.396	17.00	763.084
350-00	23.936		38.737	50	1631.850
400-00	13.936		18.887	50	927.850
420-00	16.605		14.892	20	297.830
430-00	0.000		8.303	10	83.025
					7619.709
Deduction - Loss B — (-)					331.930
[illegible] (-)					115.880
					7171.90[illegible]3
[illegible] 85% i.e —					6096.11[illegible]3

(15) Providing [illegible] [illegible] Bord [illegible] [illegible] [illegible]

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Continuation

Abstract of Cost

Sch. XLV-Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(1) Earthwork / excavation in embankment in foundation trenches etc all complete job.					
Qty vide sl No (1) P-41 m3					
715.980 m3					
@ Rs 125.24/m3 → Rs.					89669.00
(2) Earthwork in embankment in foundation 3m to 6m etc all complete job.					
Qty vide sl No (1) P-41 m3					
22.580 m3					
@ Rs 160.59/m3 → Rs					3626.00
~~(3) Providing Temporary~~ (closed) do do all complete job					
Qty vide sl No (2) P-41 m3					
1 No @ Rs 291672.80/Re → Rs					291672.00
(4) Providing scupper pipes for cross drainage drain etc all complete job					
Qty vide sl No (1) P-52 m3					
34.22 M @ Rs 3858.20/M →					132028.00
(5) Providing RCC M35 Board cast in situ etc do all complete job					
~~Qty vide sl No (3) P-41 m3~~					
426.00 M @ Rs 17248.69/M m3					7347942.00
				Rs	78,64,937.00

Continuation

P.T.O.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		B/F — ₹			7864937.00
(6) Providing RCC M30 in Pile Cap etc etc all complete job					
Qty with sl No (4) P-42 etc 352.350 m3					
@ ₹ 8205.10/m3 — ₹					2891067.00
(7) Providing PCC M15 in foundation trenches etc etc all complete job.					
Qty with sl No (5) P-42 etc 31.59 m3					
@ ₹ 6768.57/m3 — ₹					213819.00
(8) Providing steel liner 6 mm thick etc etc all complete job.					
Qty with sl No (6) P-42 etc 5.316 MT					
@ ₹ 88284.161/MT — ₹					469319.00
(9) Supplying fitting fixing TMT Bars in foundation etc etc all complete job.					
Qty with sl No (7) P-42 etc 82.83 MT @ ₹ 76952.83/MT — ₹					6374003.00
(10) Providing RCC M30 in sub structure etc etc all complete job.					
Qty with sl No (2) P-52 etc 180.17 m3					
@ ₹ 8465.81/m3 — ₹					1525285.00
				₹	193,38,430.00

Continuation P.T.O.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
		BF-M 19338			430·00
(11) Providing RCC M30 with Cement Concrete using Ready mix concrete all Complete job					
Qty vide SR No (3) P-53 ink					
25·84 m³ @M 8617·31/m³ — M 222671·00					
(12) Supplying fabricating laying TMT Bars in Sub Structure all Complete job					
Qty vide SR No (4) P-54 ink					
15·426 MT					
@M 77102·31/MT — M 1189380·00					
(13) T4 Bank filling in below Plinth do do all Complete job.					
Qty vide SR No (5) P-54 ink					
288·42 m³ @M 776·62/m³ — M 223993·00					
(14) T5 Providing filter media with granular do all Complete job					
Qty vide SR No (6) P-54 ink					
104·95 m³					
@M 3130·91/m³ — M 328589·00					
(15) T6 Supplying fitting and laying Elastomeric Bearing do do all Complete job					
Qty vide SR No (7) P-55 ink					
236455·20 CUCM					
@M 1·01/CUCM — M 238820·00					
					M 2,15,41883·00

Continuation P.T.O.

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Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
			BF	M	2 1541 883200
(16) T7	Providing RCC M30 in Super Structure				
	do all Complete job.				
Qty vide Sh No (8) P-55 ure					
122.40 m3					
@ M 9364.71/m3				M	1146240 200
(17) T8	Supplying Fitting Fixing TMT Bar in S/S do do				
	all complete job				
Qty vide Sh No (9) P-55 ure					
20.746 MT					
@ M 78275.88/MT				M	1623911 200
(18) 20	Providing RCC Railing				
	do do all Complete job				
Qty vide Sh No (10) P-56 ure					
68.00 M @ M 2198.12/M				M	149472 200
(19) 24	Providing Fixing Sketch steel Embedding Unit do do all				
	Complete job				
Qty vide Sh No (11) P-56 ure					
25.35 M @ M 12353.31/M				M	313156 200
(20) 25	Providing Keeping Installing				
	Bund do do all Complete job				
Qty vide Sh No (15) P-57 ure					
2 No					
@ M 11435.73/Pair				M	22871 200
				M	247,97,533 200

Continuation To.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	B/F Rs		2,47	97	532=00
(21)/16 Construction to embankment of metals for ... road do do all complete job					
Of ... Sl No (12) P-56 u/e					
675.00 m³	@ Rs 187.51/m³ — Rs			1,2	6,569=00
(22)/27 Providing U.S.B. ... road do do all complete job					
Of ... Sl No (13) P-56 u/e					
55.00 m³ @ Rs 2240.40/m³ — Rs				1,23	222=00
(23)/35 Earth work in approach Road do do all complete job					
Of ... Sl No (14) P-57 u/e					
6096.11 m³					
@ Rs 187.51/m³ — Rs				11,43	082=00
			Rs	2,61,	90,406=00
Less 10% Below as per Agreement (−)				26	19,041=00
			Rs	2,35,7	1,365=00
Hence previous Bill (−)			Rs	1,64,0	2,497=00
			Rs	71,68	,868=00

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