Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	

Name of Work :- Repair & 5 Year Maintenance of Road from Ushri Bihta Road to Rera to Mahgu tola.

Agency – Bhastan Constech and Marketing Pvt. Limited.

Aggt No - 01/MD/D/2024-25

Aggt. date - 25/07/2024

Actual dt. of completion

<1> Providing dismantling of Existing structure T/S.

	1 × 3.80	× 4.50	× 0.300 m	=	5.13 m^3
	2 × 4.50	× 0.700	× 0.200 m	=	1.26 m^3
	2 × 4.50	× 0.300	× 0.300 m	=	0.81 m^3
				=	7.20 m^3

<2> Providing dismantling of Entry structure T/S.

	2 × 4.50	× 1.25	× 2.50 m	=	28.125 m^3
				=	28.125 m^3

<3> Providing E/W in Excavation found. T/S.

Abut	2 × 9.100	× 2.633	× 0.200 m	=	~~9.584 m^3~~ 46.673 m^3

Continuation

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Rlwall-	4x	1.267	x 2.43	x 1.650m =	19.704m³
	1x	7.700	x 0.450	x 0.250m =	0.770m³
				=	106.862m³
<4> Providing sand filling in fdn — do — TS.					
	1x	7.70	x ~~1.269~~ 1.629	x 0.100m =	~~1.254m³~~ 0.497m³
				=	~~1.254m³~~
5> Providing Plain/Reinforced cement Concrete PCC M15 -TS.					
Abut-	2x	9.100	x 2.633	x 0.200m =	9.584m³
Rlwall-	4x	1.267	x 2.43	x 0.200m =	2.463m³
	1x	7.70	x 1.734	x 0.150m =	2.005m³
				=	14.052m³
<6> Providing Concrete for plain Reinforced in foundn. PCC M20 -TS Below GL					
Abut-	2x	8.30	x (2.633+1.630)/2	x 1.40m =	49.571m³
Rlwall-	4x	1.267	x (2.43+1.43)/2	x 1.40m =	13.694m³
				=	63.265m³

[signature] 20/12/24 JE [signature] 20-12-24 AE

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<7> Providing plain/painted cement concrete M20 - T.S.					
Size - 1 x 4.00 m span					
2 x 7.744 x (0.70+1.71)/2 x 2.02 m = 37.70 m³					
4 x 5.964 x (0.40+1.457)/2 x 2.44 m = 54.08 m³					
= 91.78 m³					
→ (A)					
Size 2 m x 3 m span					
2 x 7.50 x (1.633+0.780)/2 x 2.800 m = 48.993 m³					
4 x 1.833 x (1.430+0.400)/2 x 3.09 m = 20.73 m³					
= 69.723 m³					
(B)					
Total qty = (A + B)					
= (91.78 + 69.723) m³					
= 161.503 m³ 161.423					
<8> Providing slf and Placing HYSD bar Reinforced - T.S.					
2.00 m x 3 m span					
Cap & curtain wall					
12 mm ϕ HYT bar					
24 Nos x 7.50 m = 180.00 m					
8 mm ϕ MS bar					
76 Nos x 1.60 m = 121.60 m					

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents or area
12mm dia. bar					
8 Nos × 7.50 m = 60.00m					
8mm dia. bar.					
76 Nos × 1.64 m = 124.64m					
Kerb & Pillar					
12mm ϕ TMT bar					
36 × 1.40m = 50.40m					
Total 12mm = (180.00 + 60.00 + 50.40) m					
= 290.40 m					
Wt @ 0.89 Kg/m = 258.45 kg — (A)					
Total 8mm = (121.60 + 60.00 + 124.64) m					
= 306.24 m					
Wt @ 0.395 Kg/m = 120.96 kg — (B)					
Total Wt = (A + B)					
= (258.45 + 120.96) kg					
= 379.41 kg					
Size - 1 × 4.00m Span					
Cap Wall & Dirt Wall					
12mm dia. TMT bar					
26 Nos × 7.50 m = 195.00m					
8mm ϕ TMT bar					
2 × 40 × 1.60m = 128.00m					
12mm ϕ TMT bar					
2 × 5 Nos × 7.50m = 75.00m					
8mm ϕ bar					
2 × 38 × 1.90m = 144.40m					
Kerb & Pillar					

Continuation

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
	12mm ϕ TMT bar				
	2 × 54 Nos × 1.60 m = 86.40 m				
Total 12 mm = (195.00 + 75.00 + 86.40)					
	= 356.40 m				
Wt @ 0.89 kg/m = 317.20 kg					
Total 8mm = (128.00 + 144.40) m					
	= 272.40 m				
Wt @ 0.395 kg/m = 107.60 kg					
Total Weight = (379.41 + 107.60 kg + 317.20 kg =					
	= 487.01 kg				
	= 804.24 kg				

(9) Providing Plain/Reinfed cement Concrete (M20) in sub-structure

— do — Size - 2m × 3m spcs

About cap - 2 × 7.50 × 0.70 × 0.20 m	= 2.10 m³	
Wall = 2 × 7.50 × 0.40 × 0.240 m	= 1.44 m³	
Rubble cap = 4 × 2.30 × 0.40 × 0.600 m	= 0.552 m³ (2.208)	
	= 4.092 m³ (5.748)	
	(A)	

Size - 1m × 4m spcs

About cap = 2 × 7.50 × 0.700 × 0.200 m	= 2.10 m³	
Rubble cap = 4 × 6.30 × 6.400 × 0.150 m	= 1.51 m³	
Dist wall = 2 × 7.50 × 6.300 × 0.370 m	= 1.67 m³	
	= 5.28 m³	
	(B)	

Continuation 5.748

Total = (A+B) = (4.092 + 5.28) m³

= 9.37 m³ (11.028 m³)

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
<10> Providing & placing HYSD bar Reinforcement - TMT.					
2m x 3m span					
12mm ϕ TMT bars - main bar					
	1 x 88 Nos				x 2.536 m = 223.168 m
10mm ϕ TMT - Bottom distribution bar					
	1 x 12 Nos				x 7.50 m = 90.00 m
10mm ϕ TMT - TOP longitudinal					
	1 x 26 Nos				x 1.788 m = 46.49 m
10mm ϕ bar - TOP transverse					
	1 x 10 Nos				x 7.50 m = 75.00 m
Total 12mm = 223.168 m					
Wt @ 0.89 kg/m = 198.62 kg					
Total 10mm = (90.00 + 46.49 + 75.00) m					
= 211.49 m					
Wt @ 0.62 kg/m = 131.12 kg					
Total = (198.62 + 131.12) kg					
= 329.74 kg — (A)					
1 x 4m span					
16mm ϕ - Bottom main bar					
	1 x 77 Nos				x 5.00 m = 385.00 m
12mm ϕ bar - Bottom distribution bar					
	1 x 20				x 7.50 m = 150.00 m
10mm ϕ bar - TOP longitudinal					
	1 x 36				x 3.83 m = 137.88 m
10mm ϕ bar - TOP transverse					
	1 x 17				x 7.50 m = 127.50 m

Continuation

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
total 16mm = 385·00m					
Wt @ 1·58 kg/m = 608·30 kg					
total 12mm = 150·00m					
Wt @ 0·89 kg/m = 133·50 kg					
total 10mm = (137·88 + 127·50) m					
= 265·38 m					
Wt @ 0·62 kg/m = 164·53 kg					
Total Weight = (~~560·90~~ 608·30 + 133·50 + 164·53) kg					
= ~~858·93~~ 906·33 kg — (B)					
Total Weight = (A + B)					
= (329·74 + ~~858·93~~ 906·33) kg					
= ~~1188·67~~ 1236·07 kg					
(10) Providing & laying RCC M25 in s/s -TLS-					
2m x 3m span					
1 x 7·50 x 2·56 x 0·240 m =					4·608 m³
1 x 4m span					
1 x 7·50 x 4·80 x 0·370 m =					13·32 m³
					= 17·928 m³
05/01/25			07-01-25 AE.		
(11) Providing Plain/Reinforced Cement Concrete PCC M20 -TLS.					
2m x 3·00m					
Parapet = 2 x 7·60 x 0·40 x 0·60 m =					3·65 m³
1 x 4m span					
2 x 11·80 x 0·40 x 0·60 m =					5·66 m³
4 x 0·40 x 0·40 x 0·60 m =					0·38 m³
					= 9·69 m³

Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<12> Providing filling joint Sealing -T/s.					
	2x7.50m		= 15.00 m		
				= 15.00m	
<13> Providing Weepholes in plain Reinforced -T/s.					
	2m x 3m				
	2x15+0x3		=	30.00 Nos	
	1x4m span				
	.2x 9 Nos		=	18 Nos	
	4x 9 Nos		=	36 Nos	
			=	84.00 Nos	
<14> Providing Back filling behind Abutment -T/s.					
	2x 5.964 x 5.887 x 2.020 = 70.92m				
Tracer fily				= 47.09	
				= ~~70.92~~ m³	
				= 118.01 m³	
<15> Providing Const. of GSB by Providing Well graded GSB Grading -I T/s.					
	1x9.50 x (7.60+6.50)/2 x 0.200m = 13.39m³				
	1x12.60 x (7.60+4.90)/2 x 0.200m = 15.00m³				
	1x6.70 x 6.80 x 0.200m = 9.11m³				
	1x6.50 x 5.30 x 0.200m = 6.89m³				
			=		44.39m³

Continuation

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(16) Providing & laying & spreading WBM Gr-III - TIC					
1 × 9.50 ×	$\frac{7.60+6.50}{2}$		× 0.075 m =		5.02 m³
1 × 12.00 ×	$\frac{7.60+4.90}{2}$		× 0.075 m =		5.62 m³
1 × 6.70 ×	6.80 ×		0.075 m =		3.41 m³
1 × 6.50 ×	5.30 ×		0.075 m =		2.58 m³
				=	16.63 m³
(17) Providing const. of DL — 90 Nos.					
16.50 × 3.75 × 0.12 cm =					6.60 m³
				=	6.60 m³
(18) Providing const. of Nominal Cement Concrete Nos.					
1 × 9.50 ×	$\frac{7.60+6.50}{2}$		× 0.125 m =		8.37 m³
1 × 12.00 ×	$\frac{7.60+4.90}{2}$		× 0.125 m =		9.37 m³
1 × 6.70 ×	6.80 ×		0.125 m =		5.69 m³
1 × 6.50 ×	5.30 ×		0.125 m =		4.30 m³
				=	27.73 m³
(18) Providing & laying Semi dense bituminous Concrete Nos.					
21.90 ×	$\frac{3.75+4.80+3.45-3.75}{3}$		× 0.024 m		
				=	0.13 m³
18.50 ×	$\frac{3.75+5.00+3.75-3.70}{3}$		× 0.024 m		
				=	0.19 m³
					0.32 m³

Continuation

11/01/2025 JE

11-01-25 AE

Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
<19> Providing const. of Sub-grade & Earthen Shoulder TTS.					
	2	x 10	x 30	x 1.00 x 0.300m =	180.00m³
	2	x 10	x 30	x 1.00 x 0.300m =	180.00m³
	2	x 6	x 30	x 1.00 x 0.300m =	108.00m³
					= 468.00m³
<20> Providing Plastering with CM(1:4) -TTS.					
	2	x 2	x 6.00	x 2.00 m =	48.00 m²
	2	x 4	x 6.00	x 0.60m =	28.80 m²
	2	x 2	x 6.00	x 0.40m =	9.60m²
	2	x 4	x 0.40	x 0.60m =	1.92m²
					= 88.32m²
<21> Providing Painting two coat on New Concrete Surface TTS.					
	2	x 8.00	x 0.60m	=	19.20m²
	2	x 8.00	x 0.40m	=	6.40m²
qty vide Item No. (20)				=	88.32m²
	4	x 11.20	x 0.600m	=	26.88m²
	2	x 11.20	x 0.400m	=	8.96m²
	4	x 0.40	x 0.600m	=	0.96m²
					= 150.72m²
H.P =	2	x 3.60	x 0.40m	=	2.88m²
	4	x 0.40	x 0.600m	=	0.960m²
	4	x 3.60	x 0.600m	=	8.64m²
					= 163.20m²

Continuation

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(22) Providing Road Marking with Hot applied thermo Plastic Compound - Mts.					
I/I Portion					
2	x 10	x 30	x 0.100m	= 60.00m²	
2	x 10	x 30	x 0.100m	= 60.00m²	
2	x 6	x 30	x 0.100m	= 36.00m²	
3	x 5	x 0.50	x 2.00m	= 15.00m²	
				= 171.00m²	
C/C Portion					
2	x 10	x 30	x 0.100m	= 60.00m²	
2	x 10	x 30	x 0.100m	= 60.00m²	
2	x 4	x 30	x 0.100m	= 24.00m²	
				= 144.00m²	
(23) Providing & laying RCC NP3 buried pipe - Mts.					
1	x 10.00	x m		= 10.00m	
				= 10.00m	
(24) Providing & fixing of Road studs - Mts.					
				= 198 Nos.	
(25) Providing supplying & installation Road delineator - Mts.					
				= 15 Nos.	

Continuation

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement No.	L.	B.	D.	Contents of area
(26) Providing Planting of tree					
— 20 Nos.					
= 780/20 = 39 Nos					
(27) Providing & fixing cap Mainfeer Board — Nos.					
= 01 Nos					
(28) Providing RCC M15 grade km stone — Nos.					
(i) km stone = 03 Nos					
(ii) 200m stone = 06 Nos					
(29) Providing & fixing cap Retng — Reflective — Nos.					
(i) 600mm Equilateral triangle = 10 Nos					
(ii) 600mm Circular = 02 Nos					
(iii) 600mm x 450mm Retgle = 04 Nos					

Continuation

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