

1st and final bill

1

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:-					
road to Ramlogan Bigha.					
Agency:-					
mehandiya construction					
Pvt Ltd.					
Agreement No:-					
15/MRD/24025					
Rollage No:-					
MRN/23-24 Arwal					
04					

Date of commencement:- 16/7/24

Date of completion:- 15/4/25

Actual date of completion - 13/02/25

Record entry

① Dismantling of existing structure like culverts
 Complete all job.

Area $2 \times 4.0 \times 1.0 \times 0.15 = 1.20 \text{ m}^3$

Reinforcement

$12 \times 4 \times 5.0 \times 0.30 = 12.0$

$12 \times 2 \times 4 \times 0.30 \times 0.30 = 1.44$

13.44 m³.

② Dismantling of existing structure of bridge/saloon

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Brick masonry					
$2 \times 2 \times 5.0 \times 0.825 \times 3 =$					49.50 m ³
Plaster					
25/7/24					25/7/24
Recured masonry					
Rice box masonry					
① Earthwork excavation for foundation all soil.					
$1 \times 6.0 \times 3.50 \times 0.65 =$					13.65
$2 \times 3.50 \times 1.30 \times 1.80 =$					16.38
$4 \times 2.40 \times 3.42 \times 1.80 =$					59.09
					89.12 m ³
② providing p.c.c m/s in foundation all soil.					
$8 \times 3.50 \times 0.10 =$					1.50
R/W $4 \times 2.40 \times 2.40 \times 0.20 =$					4.66
					6.14 m ³
③ providing p.c.c m/s in foundation complete soil					
R/W $4 \times 2.40 \times (2.017 + 1.317) \times 1.60 =$					21.33
C/W $2 \times 2.50 \times 0.30 \times 1.50 =$					2.25
					23.58 m ³

Continuation

Particulars	Details of actual measurement				Contents of area	
	No.	L.	B.	D.		
④ providing HYSD bar reinforcement in foundation						
Complete all 503						
8mm	2	16	0.43	0.395	43.355	
12mm	2	2	1.2	2.74	0.888	116.789
					160.1419	
or					0.160MT.	
⑤ providing P.C.M 20 in substructure						
Complete all 503						
	4	2.10	0.783	1.78	11.14 m ³	
⑥ providing HYSD bar in substructure - Complete 503						
10mm	1	42	2.74	0.617	71.004	
8mm	1	42	2.74	0.617	71.004	
10mm	2	42	3.84	0.617	199.019	
10mm	2	30	2.74	0.617	101.434	
12mm	2	42	1.72	0.89	106.15	
8mm	4	40	1.15	0.395	72.68	
10mm	2	2	12	6.24	0.617	184.80
	2	2	10	6.24	0.617	154.0
8mm	2	42	1.42	0.395	47.115	
	2	42	1.42	0.617	1007.206	

Continuation

or = 1.007MT.

Q. Patel
30/7/24
SE

30/7/24 A.L.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record entry</u>					
① providing R.C.C mats in substructure all JCB.					
1 x 8.0 x 2.50 x 0.250 = 3.75					
2 x 8.0 x 2.0 x 0.250 = 6.0					
4 x 6.0 x 0.012 = 0.270					
					10.02 m ³ .
② providing weepholes Complete all JCB.					
Qty = 36.0 Nos.					
③ providing back filling Behind Abutment & Ret Wall Complete JCB.					
2 x 2.0 x 5.20 x 0.20 = 4.16					
2 x 2.0 x 4.61 x 1.78 =					
2 x 2.92 x 4.62 x 1.78 = 48.02					
Deduct filter media					15.69
					36.49 m ³ .
④ providing filter media Complete all JCB.					
2 x 4.61 x 0.60 x 1.80 = 9.60					
4 x 1.40 x 0.60 x 1.87 = 6.283					
					15.683 m ³ .

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ providing 14cs bar in Super structure all job.					
^{12mm} 8 x 4.6 x 2.804 x 0.89 =					114.795
^{10mm} 1 x 4.2 x 2.74 x 0.617 =					71.004
^{10mm} 2 x 2 x 1.2 x 1.66 x 0.617 =					49.162
^{10mm} 9 x 2 x 3 x 2.74 x 2.469 =					81.18
^{10mm} 2 x 1 x 2 x 2.74 x 2.469 =					27.03
^{10mm} 12 x 2.26 x 0.617 =					16.73
					<u>359.9319</u>
					or = 0.360 m ² .

⑥ Providing R.C.M in Super structure all job.

1 x 2.50 x 0.60 x 0.25 =					
1 x 2.50 x 0.60 x 0.25 =					3.75
2 x 2.50 x 0.25 x 0.50 =					0.625
					<u>4.375 m²</u>

⑦ Providing parapet construction R.C.M in super structure Complete job.

$$2 \times 6.50 \times 0.60 \times 0.40 = 3.12 \text{ m}^3.$$

⑧ Drainage spout all job.

$$2 \times 4 \times 0.10 \text{ nos.}$$

⑨ Painting parapet wall Complete all job.

$$2 \times 6.50 \times 0.40 = 5.20$$

$$4 \times 6.50 \times 0.60 = 15.60$$

$$4 \times 0.40 \times 0.60 = 0.96$$

$$21.76 \text{ m}^2$$

⑩
05/8/24
S.E.

Continuation

⑪
05/8/24
A.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Record only</u>					
<u>R.C.C Box culvert</u>					
<u>2m x 2.5m</u>					
① providing Earth work in excavation for foundation complete all job.					
	1	4.80	6.0	0.70	20.16
	2	4.80	1.30	1.80	22.46
	4	2.90	3.66	1.80	76.42
					<u>119.04 m³</u>
② providing p.c.c mas in foundation complete all job.					
	1	3.80	6.0	0.10	2.28
	4	2.90	2.60	0.20	6.16
					<u>8.44 m³</u>
③ providing p.c.c 1:20 in foundation all job.					
	4	2.50	(2.257 + 1.557)	1.60	30.512
R/W					<u>2</u>
	4	2.50	(2.257 + 1.557)	1.60	30.512
					<u>2</u>
c/w	2	3.80	0.30	1.50	3.42
					<u>33.932 m³</u>

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
④ providing Hysd bar reinforcement for foundation all SOL.					
11mm					
3.420 x 28 x 2 x 0.89					170.75
3.24 x 8 x 2 x 0.617					73.84
					244.59
					or = 0.244MT

⑤ providing p.c.c M20 in sub structure complete all SOL.					
4 x 2.50 x 0.90					21.06
					M3.

10/8/24
JC

Record entry

⑥ providing Hysd bar reinforcement for substructure complete all SOL.					
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10mm - 12 x 40 x 3.74 x 0.617					92.70
10mm - 17 x 32 x 3.74 x 0.617					73.84
12mm - 2 x 30 x 5.24 x 0.89					279.81
10mm - 2 x 30 x 3.34 x 0.617					123.646
10mm - 2 x 20 x 6.24 x 0.617					261.80
2 x 20 x 13 x 6.24 x 0.617					200.204
10mm - 2 x 63 x 2.02 x 0.617					157.038
8mm - 2 x 2 x 40 x 1.20 x 0.395					75.84
12mm - 17 x 21 x 3.40 x 0.89					64.403
					1328.880 log

Continuation

-(A)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
② providing 14.5 bar reinforcement substructure complete job.					
	2	7.0	2.3	0.617	340.58
	2	2.4	3.6	0.617	204.35
					544.93
					kg.
total = (544.93 / 1328.88)					
					1873.81 kg
					or 1.873 MT

③ providing R.C.C. M25 in substructure complete job					
	1	3.80	6.0	0.30	6.84

	2	6.0	2.50	0.40	12.0
					18.84
					m3.

④ providing weepholes complete all job.					
					Qty = 4210 Nos.

⑤ providing 14.5 bar reinforcement superstore complete all job.					
12mm	1	5.0	3.24	0.89	166.43
10mm	1	3.2	3.94	0.617	73.84
8mm	2	3.3	2.02	0.395	52.66
12mm	1	2.1	3.4	0.89	63.546
10mm	1	1.66	2.2	0.617	22.832
20mm	2	2.3	3.76	2.469	110.608
	2	2.2	3.7	2.469	73.82

Continuation

689.476

651.769

kg

or 0.651 MT

Pl. M. L.
20/8/24
J.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Recommend by</u>					
<u>① providing Backfilling behind Abutment and Retention wall</u>					
Complete all 502.					
	2	2.50	5.20	0.20	5.20
	2	2.50	4.43	2.33	57.60
Deduct filter media = (C) =					22.86
					33.94
					m ³ ,
<u>② providing filter media</u>					
Complete all 503.					
	2	4.43	0.60	2.20	11.68
	4	1.50	0.60	2.45	11.18
					22.86
					m ³ ,
					22.86 m ³
<u>③ providing R.C.C M20 in superstructure</u>					
Complete all 502.					
	1	2.80	0.60	0.30	6.84
	4	6.00	0.01		0.27
	2	3.80	0.25	0.30	0.57
					7.68 m ³ .
<u>④ parallel Construction R.C.C M20</u>					
Complete all 503.					
	3	2.80	0.60	0.40	4.22
					m ³ .

Continuation



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(2) providing water Bona					
macadam width 2 all JCB.					
5x10x	3.75	0.075			14.0625
3x3.5x	3x	0.075			2.3625
5x4.50x	3.10x	0.075			5.23
					21.655
Limit = 20.93 m ³					m ³ .
(3) providing water Bona					
macadam width 2 all JCB.					
2x20m x	2.25x	0.075			16.875
6x4.20x	1.50x	0.075			3.122
5x3.50x	2.50x	0.075			3.281
8x4.10x	1.60x	0.075			3.936
1x30m x	3.25x	0.075			8.4375
2x13.0m x	3.75x	0.075			8.4375
					7.3125
Limit = 41.14 m ³					43.014 m ³ .
(4) providing dry lean concrete					
plus base complete JCB.					
5x3.25x	0.10				1.125
8x2.0x	0.10				1.60
10x1.50x	0.10				1.00
1x2.25x	0.10				0.225
					4.00 m ³ .

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) providing panel concrete pavement comp p.c.c m20 complete job.					
1 x 30m x 3.90 x 0.125 =					14.625
1 x 30 x 3.80 x 0.125 =					14.25
1 x 30 x 3.75 x 0.125 =					14.0625
1 x 30 x 3.25 x 0.125 =					14.0625
1 x 30 x (3.80 + 3.75) x 0.125 =					14.156
1 x 30 x 3.80 x 0.125 =					14.25
1 x 30 x 3.80 x 0.125 =					14.25
1 x 10 x 3.75m x 0.125 =					4.6875
1 x 20 x 3.75 x 0.125 =					9.375
					<u>113.71 m²</u>

(6) providing irrigation pipe
30mm dia complete job.
2 x 4 x 2.50 = 20m

(7) providing 12 inch masonry
in parapet maximum of.
CD₁ = 2 x 2 x 5.40 x 0.40 x 0.6 = 5.184
CD₂ = 2 x 2 x 2.0 x 0.40 x 0.60 = 3.46
8.64 m³.

(8) providing plastering
with cement sand
Complete job.

CD₁ = 2 x 4 x 5.40 x 0.60 = 25.92
2 x 2 x 5.40 x 0.40 = 10.80
2 x 4 x 0.40 x 0.60 = 1.92
38.64

CD₂ = 4 x 2.20 x 0.60 = 5.28
2 x 2.20 x 0.40 = 1.76
4 x 0.40 x 0.60 = 0.96
7.00

(9) labor

Continuation
42.64 m³
Call out

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 15 x $(7.5 + 3.75) = 84.375$					
5 x 30 m x $3.75 m = 562.50$					
5 x 30 x $3.75 m = 562.50$					
5 x 30 x $3.75 m = 562.50$					
5 x 30 x $3.75 m = 562.50$					
5 x 30 x $3.75 m = 562.50$					
5 x 30 x $3.75 = 562.50$					
5 x 30 x $3.75 = 562.50$					
2 x 10 x $(6.50 + 3.75) = 102.50$					
4 x 30 m x $(3.80 + 3.75) = 453.0$					
4 x 30 x $(3.80 + 3.75) = 453.0$					

4 x 30 x $(3.80 + 3.75) = 453.0$					
4 x 30 x $(3.80 + 3.75) = 453.0$					
2 x 30 m x $3.75 = 225.0$					
1 x 20 x $3.75 m = 75.0$					
					<u>5673.87</u>
					m ² .

(3) providing semi dense continuous concrete					
(S.D.B.C) complete					
15 x $(7.5 + 3.75) \times 0.025 = 2.109$					
10 x 30 m x $3.75 \times 0.025 = 28.125$					
10 x 30 x $3.75 \times 0.025 = 28.125$					
5 x 30 m x $3.75 \times 0.025 = 14.0625$					
5 x 30 x $3.75 \times 0.025 = 14.0625$					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 x 10 x (6.5 + 3.25) x 0.025					2.5625
		2			14.152
5 x 30 x (3.80 + 3.25) x 0.025					14.0625
		2			14.156
5 x 30 x (3.80 + 3.25) x 0.025					14.0625
		2			
6 x 30 x (3.80 + 3.25) x 0.025					16.9875
		2			
2 x 30 x 3.25 x 0.025m					5.625
1 x 20 x 3.80 x 0.025					1.90
1 x 5 x 3.25 x 0.025					0.460
					142.331
Limit 142.04m ²					sq. ft.
(4) providing road marking with 2 ft colored lines					
Roads complete job.					
at prism					
2 x 30 x 30 x 0.10					180.0
2 x 20 x 30 x 0.10					120.0
					300.0m ²
pedestrian crossing					
6 x 0.50 x 2					6.0m ²
P.C. center					
2 x 8 x 30 x 0.10					48.0m ²
(5) provide direction and place identification all-ways					
2 x 1.20 x 0.80					1.92 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ providing planting of 1000 and their maintenance. Complete all job. $1.50 \times 500 = 25.0 \text{ Nos.}$					
⑦ painting new letters and figure of any shale all job. $44 \times 5.0 = 220.0 \text{ square ft.}$					
⑧ providing boundary pillar around same Complete job. $8 \times 4 = 40.0 \text{ Nos.}$					
⑨ providing road furniture Complete all job. (i) 1cm stone = 3.0 Nos (ii) 2cm stone = 2.0 Nos					
⑩ providing retro-reflective traffic sign board Complete all job. (i) 600mm equilateral triangle = 6.0 Nos (ii) 600mm circular = 1.0 No (iii) 600 x 600mm rectangle = 3.0 Nos (iv) 900mm side octagon = 1.0 Nos					

Continuation

Continuation