

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 measurements relating to each work.)

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

Name of work- Simuara to
Kaspa road Jagdhar.

Agency- m/s R.K. construction

Agreement no- 1 MBD/3054 MR-NMP-18/24-25

Date of start of work- 7/6/24

Date of completion- 6/3/25

Actual completion date- 25/07/24

Measurement

1) Clearing & grubbing road

Land- do

$$2 \times 1250 \times 1.0 = 2500 \text{ m}^2$$

$$\frac{2500}{10000} = 0.25 \text{ hect}$$

$$\therefore \text{ent} = 0.25 \text{ hect}$$

2) const. of subgrade &
earthen shoulder

do

$$2 \times 1000 \times 1.125 \times 0.6 = 1350 \text{ m}^3$$

$$2 \times 250 \times 1.0 \times 0.45 = 225 \text{ m}^3$$

$$\text{Total} = 1575 \text{ m}^3$$

3) const. of granular subbase

do

$$28 \times 6.50 \times 0.75 \times 0.175 = 23.887 \text{ m}^3$$

$$15 \times 9.0 \times 0.50 \times 0.175 = 11.812 \text{ m}^3$$

$$16 \times 7.80 \times 1.20 \times 0.175 = 26.208 \text{ m}^3$$

$$25 \times 3.20 \times 1.10 \times 0.175 = 15.400 \text{ m}^3$$

$$19 \times 8.75 \times 0.40 \times 0.175 = 26.184 \text{ m}^3$$

$$20 \times 9.5 \times 0.60 \times 0.175 = 19.95 \text{ m}^3$$

$$\text{Total} = 123.441 \text{ m}^3$$



Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4) WBM gr-II					
Providing, laying, spreading and compacting stone aggregates — do —					
	28	6.50	0.75	0.075	10.237 ^m
	15	9.0	0.50	0.075	5.062 ^m
	16	7.8	1.20	0.075	11.232 ^m
	25	3.2	1.10	0.075	6.60 ^m
	19	8.75	0.90	0.075	11.221 ^m
	20	9.5	0.60	0.075	8.55 ^m
	30	5.5	0.80	0.075	9.90 ^m
	40	4	0.85	0.075	10.20 ^m
			Total		73.002 ^m
			Limit to		70.88 ^m

(5) WBM gr-III					
Providing, laying, spreading and compacting stone aggregates — do —					
	28	6.50	0.75	0.075	10.237 ^m
	15	9.0	0.50	0.075	5.062 ^m
	16	7.8	1.20	0.075	11.232 ^m
	25	3.2	1.10	0.075	6.60 ^m
	19	8.75	0.90	0.075	11.221 ^m
	20	9.5	0.60	0.075	8.55 ^m
	30	5.5	0.80	0.075	9.90 ^m
	40	4	0.85	0.075	10.20 ^m
	16	6.5	2.90	0.075	22.62 ^m
	15	8.0	2.50	0.075	22.50 ^m
	12	9.5	2.60	0.075	22.23 ^m
	14	12	2.75	0.075	34.65 ^m
	7	3.0	3.20	0.075	5.04 ^m
c.c. portion	4	25	3.75	0.075	28.125 ^m
			Total		208.167 ^m

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑥ Prime coat Providing & applying primer coat with (SS-1)					
ent = 208.167 - 28.125 P-②					
itm = ③ = 2400.56 m ²					ent = 2397.90 m ²
⑦ Patch work over WBM using mix seal surface					
ent = 2397.90 m ² P-③					ent = 2587.86 m ²
itm = ⑥ + (10 × 6.9 × 2.75)					
= 2590.31 m ² Limit to 2587.866 m ²					
⑧ Tack coat for M.S.					
Providing & applying tack coat with RS-1					
ent = 2587.866 m ² P-③					ent = 2587.866 m ²
itm = ⑦					

⑨ Tack coat for SDBC with RS-1					
do					
46 × 25 × 3.75 = 4312.50 m ²					
3 × 30 × 0.50 = 45 m ²					
Total					4357.50 m ²
Limit to					4355.63 m ²

⑩ SDBC					
Providing & Laying semidense bituminous concrete					
do					
46 × 25 × 3.75 × 0.025 = 107.82 m ³					
3 × 30 × 0.50 × 0.025 = 11.25 m ³					
Total					108.935 m ³
Limit to					108.888 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Dry lean cement concrete.					
do					
		4 X 4	3.75 X 0.10		6.0m ³
(12) const. of plain cement concrete pavement					
do					
		4 X 25	3.75 X 0.10		37.50m ³
		2 X 4	0.5 X 0.10		0.40m ³
			Total		37.90m ³
			Limit to		37.875m ³
(13) Laying brick sowing					
Layer — do —					
		2 X 4 X 25	0.250		50m ²
(14) Kilometer stone					
do					
(i) km stone — ant =					3 No.
(ii) 200 m stone — ant =					5 No.
(15) Retro-reflectorised					
Traffic sign					
do					
(i) 600 mm equilateral triangle — ant =					8 No.
(ii) 600 mm circular — ant =					2 No.
(iii) 600 mm X 450 mm					
rectangular — ant =					2 No.
(16) Planting of trees by the road side					
do					
				ant =	58 No.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(17) Road marking with hot applied thermoplastic compound					
do					
(i) For BT portion					
2 X 11.50 X 0.10 =					230
3 X 4.0 X 0.50 X 2 =					12
Total					242 m ²
(ii) For CC portion					
2 X 10.0 X 0.10 =					20 m ²
(18) Providing and fixing of typical masonry informative sign board with logo					
do					
				ant =	3 NO.
(19) Laying cement concrete pipe NP-3					
do					
				ant =	20 RM
(20) Boundary stones					
do					
				ant =	15 NO.
(21) Brick masonry work in cement mortar					
do					
2 X 6.0 X 0.40 X 0.60 =					2.88 m ³
2 X 5.0 X 0.60 X 0.50 =					3.0 m ³
Total					5.88 m ³
(22) Plastering with cement mortar on brick work					
do					
				ant =	

Continuation

P.T.O

Schedule XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2X 6.0 X 2.0 =					24.0m ²
4X 6.0 X 0.60 =					14.40m ²
2X 6.0 X 0.40 =					4.80m ²
4X 0.4 X 0.60 =					0.960m ²
4X 5.0 X 0.60 =					12.0
2X 5.0 X 0.50 =					5.0
4X 0.60 X 0.50 =					1.20
2X 10.0 X 2.7 =					54.0
			Total		116.360m ²

(23) Painting two coats on
new concrete surface

— do —					5.76
4X 3.60 X 0.40 =					2.880
8X 0.40 X 1.20 =					3.84
4X 3.6 X 0.60 =					8.64

			Total		18.24m ²
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Total amt =

18.24m ² + 116.360					
18.24m ² itm (23) +					
116.360m ² itm - (22)					
= 18.24 + 116.360 =					134.60m ²

(24) Earthwork in excavation

— do —					3m
2X 3.9 X 1.150 X 1.50 =					13.455
1X 5.350 X 1.130 X 0.365 =					2.207m ³

for 2 H.P. culvert 2X 15.662 = 31.324m³

(25) Providing m-15 P.C.C.
as leveling course

— do —					
2X 3.90 X 1.15 X 0.150 =					1.3455
1X 5.311 X 1.130 X 0.250 =					1.50

less for
pipe

Continuation 2
0.250 X 0.7857 X (0.830) X 5.849 = 0.791

Total 2.054m³

Continuation