

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— Dumas san Bazar					
to Panapur path via					
Takhuriya mai Laguni shiv					
Mandir					
Name of Agency— J. K. and company					
Agreement no— 06 MR-3054/MBD/					
				2019-2020	
Date of work commencement— 22/02/2020					
Date of work completion— 21/11/2020					
<u>Measurement</u>					
1. Clearing and grubbing Road					
Land (by manual means)					
including — — — — —					
as per technical specification					
$2 \times 3.73700 \times 1.0 =$					$7400.0m^2$
$= \frac{7400m^2}{10000} =$					$0.74 Hectare$
2. construction of subgrade					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
and earthen shoulders					
with approved material					
- - - do - - -					
as per technical specification					
$2 \times 3700 \times 0.70 \times 0.3 = 1554.0 \text{ m}^3$					
3. const of granular sub-base					
by providing well graded					
material - - - do - - -					
as per technical specification					
All measurements are					

taken in (metre.)					
$6.08 \text{ m} \times 1.25 \text{ m} \times 0.175 \text{ m} = 1.330 \text{ m}^3$					
$4.17 \times 1.60 \times 0.175 = 1.168 \text{ m}^3$					
$2.77 \times 1.50 \times 0.175 = 0.727 \text{ m}^3$					
$1.41 \times 1.75 \times 0.175 = 0.432 \text{ m}^3$					
$2.53 \times 2.80 \times 0.175 = 1.240 \text{ m}^3$					
$1.45 \times 2.80 \times 0.175 = 0.711 \text{ m}^3$					
$4.84 \times 1.75 \times 0.175 = 1.482 \text{ m}^3$					
$4.23 \times 2.70 \times 0.175 = 1.999 \text{ m}^3$					
$1.55 \times 0.75 \times 0.175 = 0.203 \text{ m}^3$					
$1.45 \times 2.30 \times 0.175 = 0.584 \text{ m}^3$					
$2.85 \times 2.30 \times 0.175 = 1.147 \text{ m}^3$					
$2.10 \times 1.25 \times 0.175 = 0.459 \text{ m}^3$					

Continuation

11.482 m³

11.482 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
measurements in metre					
2.27 x 2.50 x 0.175 =					0.993
4.23 x 2.40 x 0.175 =					1.777 m ³
3.21 x 2.50 x 0.175 =					1.404 m ³
5.57 x 1.50 x 0.175 =					1.462 m ³
4.00 x 2.70 x 0.175 =					1.890 m ³
1.28 x 1.75 x 0.175 =					0.392 m ³
5.66 x 2.80 x 0.175 =					2.773 m ³
5.66					
2.13 x 1.75 x 0.175 =					1.773 m ³
2.13					
4.34 x 2.50 x 0.175 =					0.932 m ³
4.348 x 2.50 x 0.175 =					1.899 m ³
8.38					
5.97 x 1.60 x 0.175 =					2.346 m ³
5.97					
4.23 x 1.50 x 0.175 =					1.567 m ³
4.23					
2.53 x 1.75 x 0.175 =					1.295 m ³
2.53					
3.89 x 2.80 x 0.175 =					1.240 m ³
3.89					
2.62 x 2.80 x 0.175 =					1.906 m ³
2.62					
6.77 x 1.75 x 0.175 =					0.802 m ³
6.77					
6.07 x 2.70 x 0.175 =					3.199 m ³
6.07					
0.42 x 0.75 x 0.175 =					0.797 m ³
0.42					
2.62 x 2.30 x 0.175 =					0.169 m ³
2.62					
4.34 x 2.25 x 0.175 =					1.032 m ³
4.34					
3.35 x 2.25 x 0.175 =					1.709 m ³
3.35					
2.62 x 2.50 x 0.175 =					1.466 m ³
2.62					
6.07 x 2.25 x 0.175 =					1.032 m ³

Continuation

$$6.07 \times 1.50 \times 0.175 = 1.593 \text{ m}^3$$

46.93 m³

P.T.O

46.93 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4.75 x 2.60 x 0.175 =					2.161 m ³
7.70 x 2.25 x 0.175 =					3.032 m ³
8.78 x 2.50 x 0.175 =					3.841 m ³
12.41 x 1.75 x 0.175 =					3.801 m ³
12.41 x 2.50 x 0.175 =					5.429 m ³
4.70 x 2.25 x 0.175 =					1.851 m ³
9.54 x 1.50 x 0.175 =					2.504 m ³
9.32 x 2.50 x 0.175 =					4.078 4.078 m ³
6.69 x 2.25 x 0.175 =					2.634 m ³
2.21 x 2.50 x 0.175 =					0.967 m ³
9.32 x 1.75 x 0.175 =					2.854 m ³
4.00 x 2.50 x 0.175 =					1.750 m ³
1.28 x 1.75 x 0.175 =					0.392 m ³
5.66 x 1.75 x 0.175 =					1.733 m ³
5.66 x 2.50 x 0.175 =					2.476 m ³
2.13 x 2.25 x 0.175 =					0.839 m ³
4.34 x 1.50 x 0.175 =					1.139 m ³
5.35 x 2.50 x 0.175 =					2.341 m ³
2.53 x 1.75 x 0.175 =					0.775 m ³
2.57 x 2.50 x 0.175 =					1.124 m ³
4.67 x 2.50 x 0.175 =					2.043 m ³
1.99 x 1.75 x 0.175 =					0.609 m ³
3.39 x 2.50 x 0.175 =					1.483 m ³
3.32 x 2.60 x 0.175 =					1.511 m ³

Continuation

98.297 m³

98.237 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7.29 X	1.25	X 0.175	=	1.595 m ³	
5.00 X	1.60	X 0.175	=	1.400 m ³	
12.68 X	2.60	X 0.175	=	5.769 m ³	
			Total		107.061 m ³
			Limit to		101.252 m ³
WBM 98-D					
(4) Providing, laying					
spreading and compacting					
stone aggregates -					
o/o					
as per technical specification.					
measurements are taken in metre					
9.98 X	1.35	X 0.075	=	1.010 m ³	
8.07 X	1.70	X 0.075	=	1.029 m ³	
6.67 X	1.60	X 0.075	=	0.800 m ³	
5.31 X	1.85	X 0.075	=	0.737 m ³	
6.43 X	2.90	X 0.075	=	1.399 m ³	
5.35 X	1.85 2.90	X 0.075	=	1.164 m ³	
8.74 X	2.80 1.85	X 0.075	=	1.213 m ³	
8.13 X	0.85 2.80	X 0.075	=	1.707 m ³	
5.45 X	2.40 0.85	X 0.075	=	0.347 m ³	
5.35 X	1.35 2.40	X 0.075	=	0.963 m ³	
6.75 X	2.40 2.40	X 0.075	=	1.215 m ³	
6.60 X	2.50 1.35	X 0.075	=	0.608 m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6.17 x 2.60 x 0.075 =					1.203 m ³
8.13 x 2.50 x 0.075 =					1.524 m ³
7.11 x 2.60 x 0.075 =					1.386 m ³
9.47 x 1.60 x 0.075 =					1.136 m ³
7.90 x 2.80 x 0.075 =					1.659 m ³
5.18 x 1.85 x 0.075 =					0.719 m ³
9.56 x 2.90 x 0.075 =					2.079 m ³
9.56 x 1.85 x 0.075 =					1.326 m ³
6.03 x 2.60 x 0.075 =					1.176 m ³
8.24 x 2.60 x 0.075 =					1.607 m ³
8.13 x 1.35 x 0.075 =					0.823 m ³
12.28 x 1.70 x 0.075 =					1.566 m ³
9.87 x 1.60 x 0.075 =					1.184 m ³
8.13 x 1.85 x 0.075 =					1.128 m ³
6.43 x 2.90 x 0.075 =					1.399 m ³
7.79 x 2.90 x 0.075 =					1.694 m ³
6.52 x 1.85 x 0.075 =					0.905 m ³
10.67 x 2.80 x 0.075 =					2.241 m ³
9.97 x 0.85 x 0.075 =					0.636 m ³
4.32 x 2.40 x 0.075 =					0.778 m ³
6.52 x 2.35 x 0.075 =					1.149 m ³
8.24 x 2.35 x 0.075 =					1.452 m ³
7.25 x 2.60 x 0.075 =					1.414 m ³

Continuation

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8.57 x		2.60	X 0.075		= 1.671 m ³
5.89 x		1.85	X 0.075		= 0.817 m ³
7.29 x		2.60	X 0.075		= 1.422 m ³
7.22 x		2.70	X 0.075		= 1.462 m ³
11.19 x		1.35	X 0.075		= 1.133 m ³
8.90 x		1.70	X 0.075		= 1.135 m ³
7.22 x		1.60	X 0.075		= 0.866 m ³
14 x 14.50 x 2.75 x 0.075					= 2.990
Total					90.920 m ³
Limit to					87.930 m ³

(5) WBM gr - II

Providing, laying, spreading
and compacting stone
aggregates - - - do - -

as per technical specifications
measurements are in metre

13.55 x 1.47 x 0.075 = 1.494 m³

11.64 x 1.82 x 0.075 = 1.589 m³

10.24 x 1.72 x 0.075 = 1.321 m³

8.88 x 1.97 x 0.075 = 1.312 m³

10.00 x 3.02 x 0.075 = 2.265 m³

8.92 x 3.02 x 0.075 = 2.020 m³

12.31 x 1.97 x 0.075 = 1.819 m³

11.70 x 2.92 x 0.075 = 2.562 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9.02 x	0.97	x	0.075	=	0.656 m ³
8.92 x	2.52	x	0.075	=	1.686 m ³
10.32 x	2.52	x	0.075	=	1.950 m ³
9.57 x	1.47	x	0.075	=	1.055 m ³
9.74 x	2.72	x	0.075	=	1.987 m ³
11.70 x	2.62	x	0.075	=	2.299 m ³
10.68 x	2.72	x	0.075	=	2.179 m ³
13.64 x	1.72	x	0.075	=	1.682 m ³
11.47 x	2.92	x	0.075	=	2.512 m ³
8.75 x	1.97	x	0.075	=	1.293 m ³
13.13 x	3.02	x	0.075	=	2.974 m ³
13.13 7.60 x	1.97	x	0.075	=	1.940 m ³
9.60 4.81 x	2.72	x	0.075	=	1.958 m ³
11.81 4.50 x	2.72	x	0.075	=	2.409 m ³
11.70 15.85 x	1.47	x	0.075	=	1.290 m ³
15.85 13.44 x	1.82	x	0.075	=	2.164 m ³
13.44 4.70 x	1.72	x	0.075	=	1.734 m ³
11.70 10.00 x	1.97	x	0.075	=	1.729 m ³
10.00 4.36 x	3.02	x	0.075	=	2.265 m ³
11.36 10.09 x	3.02	x	0.075	=	2.573 m ³
10.09 4.24 x	1.97	x	0.075	=	1.491 m ³
14.24 7.89 x	2.92	x	0.075	=	3.119 m ³
7.89 10.09 x	2.52	x	0.075	=	1.491 m ³
10.09 4.81 x	2.47	x	0.075	=	1.869 m ³

Continuation

11.81 x 2.47 x 0.075 = 2.188 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10.82 x	2.72	x	0.075	=	2.207 m ³
10.09 x	2.47	x	0.075	=	1.869 m ³
13.54 x	1.72	x	0.075	=	1.747 m ³
12.22 x	2.82	x	0.075	=	2.585 m ³
15.17 x	2.47	x	0.075	=	2.810 m ³
16.25 x	2.72	x	0.075	=	3.315 m ³
10.29 x	1.97	x	0.075	=	1.520 m ³
19.88 x	1.97	x	0.075	=	2.937 m ³
19.88 x	2.72	x	0.075	=	4.056 m ³
12.17 x	2.47	x	0.075	=	2.254 m ³
17.01 x	1.72	x	0.075	=	2.194 m ³
16.79 x	2.72	x	0.075	=	3.425 m ³
14.16 x	2.47	x	0.075	=	2.623 m ³
9.68 x	2.72	x	0.075	=	1.975 m ³
16.79 x	1.97	x	0.075	=	2.481 m ³
11.47 x	2.72	x	0.075	=	2.340 m ³
8.75 x	1.97	x	0.075	=	1.293 m ³
13.13 x	1.97	x	0.075	=	1.940 m ³
13.13 x	2.72	x	0.075	=	2.679 m ³
9.60 x	2.47	x	0.075	=	1.778 m ³
11.81 x	1.72	x	0.075	=	1.523 m ³
12.82 x	2.72	x	0.075	=	2.615 m ³
10.00 x	1.97	x	0.075	=	1.478 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10.04 X	2.72	X	0.075	=	2.048
12.14 X	2.72	X	0.075	=	2.477
9.46 X	1.97	X	0.075	=	1.398
10.36 X	2.72	X	0.075	=	2.215
10.79 X	2.82	X	0.075	=	2.282
14.76 X	1.47	X	0.075	=	1.627
12.47 X	1.82	X	0.075	=	1.702
15.30 X	3.00	X	0.075	=	3.442
Total					133.710 m ²
Limit to					130.278 m ²
					130.270 m ²

⑥ Prime coat

Providing and applying
primer coat with bitumen
emulsion (SS-1) -- do

as per

technical specification

130.27 m³

0.075 m

1736.91 m³

⑦ Tack coat

Providing and applying
tack coat with bitumen
emulsion (RS-1) --

do

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
as per technical specification					
$1736.91 \text{ m}^2 + 41.0$					
$600 \times 3.75 =$					
$1736.91 + 90 =$					1826.91 m^2
⑧ Patch work over WBM					
Providing, laying and					
rolling of close graded					
premix surfacing					
material of 20 mm					
thickness - - -					
- - do - - -					
as per technical					
specification -					
= Area for tack coat					
					$= 1826.91 \text{ m}^2$
⑨					
⑨ Tack coat					
Providing and applying					
tack coat with bitumen					
emulsion (RS-1) -					
- - do - - -					
as per technical specification					
$3700 \text{ m} \times 3.75 \text{ m} =$					13875.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(10) SDBC					
Providing and laying					
semi dense bituminous					
concrete - do					
as per technical					
specification					
3700m x 3.75m x 0.025m					
					= 346.88 m ³
(11) kilometre stone					
Reinforced cement concrete					
M-15 grade - do					
as per technical					
specification					
(i) km stone					= 5 No.
(ii) 200 m stone					= 15 No.
(12) Retro-reflectorised					
traffic sign providing					
and erecting -					
do					
as per technical spec.					
2 x 1.20 x 0.80					= 1.92 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑬ Painting lines, dashes, arrows, etc. on roads in two coats - - - do - - - as per technical sp.					
12X1.00X0.10Xp=					1.20m ²
⑭ Providing and fixing of retro-reflectorised cautionary, mandatory and informative sign - - - do - - - as per technical specified					
(i) 600mm equilateral triangle =					40 No.
(ii) 600 mm circular =					8 No.
(iii) 600 mm x 450 mm rectangular =					18 No.
⑮ Printing new letter and figures of any shade with synthetic enamel paint black - - - do					

Continuation

- - - as per

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
technical specification					✓
$2 \times 264.0 \times 528 =$					528.0 0.51 per cm height per letter
(16) Planting of trees and by the road side					
- - do - -					
$3700/20 = 185$					185 nos. ✓
(17) Road marking with hot applied Thermo- plastic compound.					
- - do - -					
Providing and laying of hot applied Thermoplastic compound 2.5 mm thick - -					
as per tech ex					
$2 \times 3700 \times 0.10 =$					740.0 m ²
(18) Providing and fixing of asphalt					

$$\text{stone chips} = (496.8388 \text{ m}^3 + 49.32) \\ = 546.167 \text{ m}^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Abstract of cost</u>					
<u>1. clearing and grubbing</u>					
Road Land. . .					
qnt. vide TMB Page-1					
item-1 = 0.74 Hectare					
@ Rs 7400.00 = Rs .					
@ Rs 49496.70 = Rs 36628.00					
<u>(2) Construction of subgrade</u>					
and earthen shoulders					
(2.2.2.2)					
qnt. vide TMB Page-2					
item-2 = 1554 m ³					
@ Rs 176.96 = Rs 274996.00					
<u>(3) Const. of granular subbase</u>					
qnt. vide TMB Page-25					
item-3 = 101.25 m ³					
@ Rs 2530.04 = Rs 256172.00					
<u>(4) WBM-Gr-II</u>					
Providing, laying,					
spreading and compacting					
stone aggregates					

Continuation

qnt. vide TMB Page-8

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
item-4 =		87.93			
@ Rs 4792.99 = Rs					421447=00
(5) WBM gr-II					
Providing Laying					
spreading and compacting					
stone aggregate					
ant. vide TMB					
Page -11 item (5)					
=		130.270	m ³		
@ Rs 4262.11 = Rs					555218=00
(6) Prime coat					
ant. vide TMB page (11)					
item (6) =		1736.91	m ²		
@ Rs 41.03 = Rs					71265=60
(7) Tack coat					
ant. vide TMB page (12)					
item - (7) =		1826.91	m ²		
@ Rs 13.92 = Rs					25431=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
⑤ Patch work over WBM Providing laying and rolling of close- graded - primix grt. v/c TMB Page - 12 item - 8 = 1826.91 m ² @ Rs 231.16 = Rs 422309					
⑨ Tack coat grt. v/c TMB Page (12) item (8) = 13875.0 m ² @ Rs 11.68 = Rs 162060					
⑩ SDBC Providing and laying semi dense bituminous concrete - - grt. v/c TMB Page - (13) item - 10 = 346.88 m ² @ Rs 11366.51 = Rs 3942815					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(11) Kilometer stone					
Ant. vide TMB					
page- (13) item- (11)					
(i) 5 No @ Rs 2366.36					
					Rs 11832=00
(ii) 15 No. @ Rs 651.32					
					= Rs 9770=00
(12) Retro-reflectorised traffic sign					
Ant. vide TMB page- (13)					
item- (12) = 1.92 m ²					
@ Rs 12396.57 =					23801=00
(13) Painting lines dashes arrow etc on road - Ant. vide TMB page- (14)					
item- (13) = 1.20 m ²					
@ Rs 75.96 =					Rs 91.15
					= Rs 91=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(14) Retro-reflectorised traffic sign					
qnt vide TMB					
Page - (14) item - 14					
or					
(i) 600 mm equilateral triangle					
qnt. = 40 NO. @ Rs 3688.18					
= Rs 147527.00					
(ii) 600 mm circular					
qnt. = 8 NO. @ Rs 3787.53					
= Rs 30300.24					
(iii) 600 mm x 450 mm					
qnt. = 18 NO. @ Rs 3658.41					
= Rs 65851.38					
(15) Printing new letters and figures of any character qnt.					
qnt. vide TMB					
Page - (14) item - (15)					
= 528.00 ⁵⁸⁸ 0.51 per cm					
height @ Rs 0.51 = Rs 269.00					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(16) Planting of trees by the road side ant. vide TMB Page - (15) item - (16) = 185 No. @ Rs 800.30 = Rs 148056					
(17) Road marking with hot applied Thermo plastic ant. vide TMB Page - (15) item - (17) = 740.0 m ² @ Rs 735.40 = Rs 544196.00					
(18) Providing and fixing of typical informative sign board. ant. vide TMB Page - (16) item - (18) = 4 No. @ Rs 9405 @ Rs 9404.68 = Rs 37619.00					

Continuation

B/c/o

Rs

7187653.00

[illegible]