

PIR-N/19.20CHAPRA-2/19

PI.B.NO-3260

Jalalpur to kumma road.

Schedule XLV-Form No. 134

Ag.No- 05MBD/2020-21

Comt. Sri-Mukesh Singh.

DIVISION

Sri- Ashok Kumar. (A.E)

SUB-DIVISION

Jalalpur.

Measurement Book

PI.B.NO-3260

1st on A/c 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.	
N/W:- Repair & Maintenance					
Work of Road from Jalalpur					
to Kuma. Under new maint-					
-ence policy 2018 at block					
Jalalpur.					
Package No. — MR-N/19-20/cha prg-					2/19
Agency — Sri Mukesh Singh					
Date of Start — 06.03.2020					
Date of Completion — 05.03.2021					
Date of Measurement — 22.02.2021					
Items of works					
① clearing & grubbing of road					
level,					
2x 20 x 30.00 m x 1.00 m =					1200.00 m ²
2x 20 x 30.00 m x 1.00 m =					1200.00 m ²
2x 20 x 30.00 m x 1.00 m =					1200.00 m ²
2x 20 x 30.00 m x 1.00 m =					1200.00 m ²
2x 20 x 30.00 m x 1.00 m =					1200.00 m ²
2x 20 x 30.00 m x 1.00 m =					1200.00 m ²
Qty c/d =					7200.00 m ²

Continuation

PK

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Qty B/F = 7200.00 m ²	6000.00 m ² 7200.00 m ²
2x 20x30.00 m x 1.00 m =					1200.00 m ²
2x 20x30.00 m x 1.00 m =					1200.00 m ²
2x 20x30.00 m x 1.00 m =					1200.00 m ²
2x 20x30.00 m x 1.00 m =					1200.00 m ²
				Total =	12000.00 m ²
					= 1.20 Hect
(2) construction of subgrade & earthen shoulders with approved materials.					

2x 20x30.00 m x 0.700 m x 0.30 m =					252.00 m ³
2x 20x30.00 m x 0.700 m x 0.30 m =					252.00 m ³
2x 20x30.00 m x 0.700 m x 0.30 m =					252.00 m ³
2x 20x30.00 m x 0.700 m x 0.30 m =					252.00 m ³
2x 20x30.00 m x 0.700 m x 0.30 m =					252.00 m ³
2x 20x30.00 m x 0.700 m x 0.30 m =					252.00 m ³
2x 20x30.00 m x 0.700 m x 0.30 m =					252.00 m ³
2x 20x30.00 m x 0.700 m x 0.30 m =					252.00 m ³
2x 20x30.00 m x 0.700 m x 0.30 m =					252.00 m ³
				Total =	2520.00 m ³

Continuation

3
Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3) Construction of granular sub-base by providing well graded material.					
9 m of Patches.					
2x	7.80m	1.65m	0.175m		4.50 m ³
2x	11.50m	1.50m	0.175m		6.03 m ³
2x	6.70m	2.00m	0.175m		4.69 m ³
2x	12.50m	1.95m	0.175m		8.53 m ³
3x	4.15m	1.80m	0.175m		3.92 m ³
4x	6.80m	1.95m	0.175m		9.28 m ³
2x	11.50m	2.35m	0.175m		7.45 m ³
2x	8.90m	2.40m	0.175m		7.47 m ³
6x	7.50m	2.15m	0.175m		16.93 m ³
2x	15.50m	1.65m	0.175m		8.95 m ³
5x	7.95m	2.30m	0.175m		15.99 m ³
3x	11.30m	1.85m	0.175m		10.97 m ³
6x	9.60m	2.10m	0.175m		21.16 m ³
2x	12.20m	2.35m	0.175m		10.02 m ³
4x	10.50m	1.80m	0.175m		13.23 m ³
3x	9.35m	2.25m	0.175m		11.04 m ³
2x	15.50m	1.95m	0.175m		10.57 m ³
2x	23.00m	2.40m	0.175m		19.32 m ³
2x	13.50m	2.25m	0.175m		10.63 m ³
3x	9.50m	1.85m	0.175m		9.22 m ³
					Qty/0 = 211.91 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Qty B/F =	211.91 m ³
4 X	5.90m	X 2.30m	X 0.175m	=	9.49 m ³
2 X	11.70m	X 1.80m	X 0.175m	=	7.37 m ³
3 X	6.90m	X 2.30m	X 0.175m	=	8.33 m ³
2 X	15.70m	X 2.55m	X 0.175m	=	14.01 m ³
3 X	4.95m	X 2.30m	X 0.175m	=	5.97 m ³
2 X	9.50m	X 2.50m	X 0.175m	=	8.31 m ³
3 X	14.50m	X 2.45m	X 0.175m	=	18.65 m ³
3 X	6.85m	X 2.40m	X 0.175m	=	8.63 m ³
				Total =	292.67 m ³

④ p/v, laying, spreading &

Compacting of WBM-2

9m put patches

2 X	8.90m	X 2.45m	X 0.075m	=	3.27 m ³
2 X	13.50m	X 1.80m	X 0.075m	=	3.64 m ³
2 X	7.90m	X 2.80m	X 0.075m	=	3.31 m ³
2 X	15.80m	X 2.30m	X 0.075m	=	5.45 m ³
3 X	5.25m	X 2.10m	X 0.075m	=	2.48 m ³
4 X	8.70m	X 2.25m	X 0.075m	=	5.87 m ³
2 X	12.75m	X 2.45m	X 0.075m	=	4.68 m ³
2 X	10.20m	X 2.90m	X 0.075m	=	4.13 m ³
6 X	8.90m	X 2.50m	X 0.075m	=	10.01 m ³
2 X	16.30m	X 1.90m	X 0.075m	=	4.64 m ³
5 X	9.25m	X 2.45m	X 0.075m	=	8.49 m ³
				Qty 40 =	55.97 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		Qty B/P =			55.97 m ³
6 x	10.50 m	3.40 m	0.075 m		14.17 m ³
4 x	8.30 m	2.70 m	0.075 m		6.72 m ³
5 x	7.50 m	2.50 m	0.075 m		7.03 m ³
6 x	8.70 m	2.10 m	0.075 m		8.22 m ³
4 x	12.50 m	2.30 m	0.075 m		8.62 m ³
3 x	13.50 m	2.10 m	0.075 m		6.37 m ³
6 x	12.30 m	2.25 m	0.075 m		12.45 m ³
2 x	15.60 m	2.50 m	0.075 m		5.62 m ³
4 x	11.90 m	2.30 m	0.075 m		8.07 m ³
3 x	10.70 m	2.40 m	0.075 m		5.50 m ³
2 x	16.35 m	2.10 m	0.075 m		5.15 m ³
2 x	23.50 m	2.70 m	0.075 m		9.51 m ³
2 x	14.70 m	2.40 m	0.075 m		5.29 m ³
3 x	10.70 m	2.15 m	0.075 m		4.93 m ³
4 x	6.20 m	2.50 m	0.075 m		4.65 m ³
2 x	11.90 m	2.00 m	0.075 m		3.57 m ³
3 x	7.50 m	2.45 m	0.075 m		4.12 m ³
2 x	16.20 m	2.70 m	0.075 m		6.56 m ³
3 x	5.10 m	2.40 m	0.075 m		2.75 m ³
2 x	10.70 m	2.60 m	0.075 m		4.17 m ³
3 x	15.20 m	2.70 m	0.075 m		9.23 m ³
3 x	7.25 m	2.55 m	0.075 m		4.15 m ³
4 x	8.50 m	2.30 m	0.075 m		5.86 m ³
6 x	5.70 m	2.70 m	0.075 m		6.72 m ³

Continuation

Total = 215.61 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5) Plv, leaping, spreading & compacting of mbr-3 on part patches -					
2x	10.20 m	2.60 m	0.075 m		$= 3.97 \text{ m}^3$
2x	15.70 m	2.10 m	0.075 m		$= 4.94 \text{ m}^3$
2x	8.50 m	3.00 m	0.075 m		$= 3.82 \text{ m}^3$
2x	16.30 m	2.50 m	0.075 m		$= 6.11 \text{ m}^3$
3x	5.90 m	2.35 m	0.075 m		$= 3.11 \text{ m}^3$
4x	10.25 m	2.40 m	0.075 m		$= 7.38 \text{ m}^3$
2x	15.20 m	2.170 m	0.075 m		$= 6.15 \text{ m}^3$
2x	11.50 m	3.00 m	0.075 m		$= 5.12 \text{ m}^3$

4x	7.90 m	2.25 m	0.075 m		$= 6.51 \text{ m}^3$
5x	8.30 m	2.30 m	0.075 m		$= 5.43 \text{ m}^3$
4x	10.50 m	2.15 m	0.075 m		$= 6.77 \text{ m}^3$
6x	8.50 m	2.50 m	0.075 m		$= 8.79 \text{ m}^3$
6x	9.70 m	2.70 m	0.075 m		$= 11.78 \text{ m}^3$
2x	18.20 m	2.10 m	0.075 m		$= 5.73 \text{ m}^3$
5x	10.70 m	2.60 m	0.075 m		$= 10.43 \text{ m}^3$
6x	11.75 m	3.10 m	0.075 m		$= 16.39 \text{ m}^3$
4x	10.20 m	3.00 m	0.075 m		$= 9.18 \text{ m}^3$
5x	8.90 m	2.75 m	0.075 m		$= 9.17 \text{ m}^3$
6x	9.30 m	2.35 m	0.075 m		$= 9.83 \text{ m}^3$
4x	15.70 m	2.50 m	0.075 m		$= 11.77 \text{ m}^3$
6x	7.90 m	2.10 m	0.075 m		$= 7.46 \text{ m}^3$
4x	12.20 m	2.30 m	0.075 m		$= 8.41 \text{ m}^3$

Continuation
Total = 168.30 m³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Qty R/F	168.30 m ²
3 X 1	3.90 m	2.45 m	0.075 m		7.66 m ²
6 X	13.40 m	2.50 m	0.075 m		15.07 m ²
2 X	15.50 m	2.70 m	0.075 m		6.27 m ²
4 X	12.50 m	2.40 m	0.075 m		9.00 m ²
3 X	10.70 m	2.65 m	0.075 m		6.37 m ²
2 X	18.00 m	2.25 m	0.075 m		6.07 m ²
2 X	24.20 m	3.10 m	0.075 m		10.89 m ²
2 X	15.70 m	2.50 m	0.075 m		5.88 m ²
3 X	12.80 m	2.30 m	0.075 m		6.62 m ²
4 X	8.15 m	2.75 m	0.075 m		6.72 m ²
2 X	12.70 m	2.20 m	0.075 m		4.19 m ²
3 X	8.90 m	2.16 m	0.075 m		5.20 m ²
2 X	17.60 m	2.90 m	0.075 m		7.65 m ²
3 X	7.50 m	2.70 m	0.075 m		4.55 m ²
2 X	11.20 m	2.75 m	0.075 m		4.62 m ²
3 X	17.45 m	2.80 m	0.075 m		10.99 m ²
3 X	9.35 m	2.70 m	0.075 m		5.68 m ²
4 X	9.45 m	2.60 m	0.075 m		7.37 m ²
6 X	7.50 m	2.75 m	0.075 m		9.95 m ²
				Total	307.05 m ²
				Qty Limit	307.55 m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
⑥ Plv & applying primer coat with bituminous emulsion SS-1 on prepared surface.					
	2	10.20 m	2.60 m		53.04 m ²
	2	15.70 m	2.10 m		65.94 m ²
	2	8.50 m	3.10 m		51.60 m ²
	2	16.30 m	2.50 m		81.50 m ²
	3	5.90 m	2.35 m		41.59 m ²
	4	10.25 m	2.40 m		78.40 m ²
	2	15.20 m	2.70 m		82.08 m ²
	2	11.50 m	3.10 m		69.60 m ²

	4	7.90 m	2.75 m		86.90 m ²
	5	6.30 m	2.30 m		72.45 m ²
	4	10.50 m	2.15 m		90.30 m ²
	6	8.50 m	2.30 m		117.30 m ²
	6	9.70 m	2.70 m		157.14 m ²
	2	18.20 m	2.10 m		76.44 m ²
	5	10.70 m	2.60 m		139.10 m ²
	6	11.75 m	3.10 m		218.55 m ²
	4	10.20 m	3.40 m		122.40 m ²
	5	8.90 m	2.75 m		122.37 m ²
	6	9.30 m	2.35 m		131.13 m ²
	4	15.70 m	2.50 m		157.00 m ²
	6	7.90 m	2.10 m		99.54 m ²
	4	12.20 m	2.30 m		112.24 m ²

Continuation

27/10 = 2245.41 m²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			Qty	A/F =	224.541m ²
	3 X	13.90m	2.45m		102.16m ²
	6 X	13.40m	2.50m		201.00m ²
	2 X	15.50m	2.70m		83.70m ²
	4 X	12.50m	2.40m		120.00m ²
	3 X	10.70m	2.65m		85.06m ²
	2 X	18.10m	2.25m		81.00m ²
	2 X	24.20m	3.00m		145.20m ²
	3 X	12.80m	2.30m		88.32m ²
	2 X	15.70m	2.50m		78.50m ²
	4 X	8.15m	2.75m		89.65m ²
	2 X	12.70m	2.20m		55.88m ²
	3 X	8.90m	2.60m		69.42m ²
	2 X	12.60m	2.90m		102.08m ²
	3 X	7.50m	2.70m		60.75m ²
	2 X	11.20m	2.75m		61.60m ²
	3 X	12.45m	2.80m		146.58m ²
	3 X	9.35m	2.70m		75.73m ²
	4 X	9.45m	2.60m		98.28m ²
	6 X	7.50m	2.95m		132.75m ²
			Total		4123.07m ²
			Qty	Unit	4098.87m ²
(7) plv	applying thick coat				m ²
	with bitumen emulsion AS-1.				
	Qty = AS per Primer coat				
	= 4098.87m ²				m ²
Continuation = 4100.67m ²					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	20x	30.00m	3.75m	0.025m	$56.25m^2$
	13x	30.00m	3.75m	0.025m	$36.56m^2$

$$1 \times 10.00m \times 3.75m \times 0.025m = 0.94m^2$$

$$\text{Total} = 600.00m^2$$

(11) Plv & fixing of typical
mmwy infomedy sign board
with logo = 04 Nos.

(12) Brick masonry work in
cecum mortar 1:3 in parapet
wall. (For 8 Nos H.P. Adverts)
(Size - 1x1000mm)

$$8 \times 2 \times 6.00m \times 0.400m \times 0.600m = 23.04m^3$$

(13) plastering with cement mortar 1:4
outer side.

$$8 \times 2 \times 6.00m \times 0.600m = 57.60m^2$$

Inner side

$$8 \times 2 \times 6.00m \times 0.600m = 57.60m^2$$

Continuation

$$\text{Qty C/O} = 115.20m^2$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				Qty B/F =	115.20 m ²
Top	8x2	6.00 m	0.40 m		38.40 m ²
Ends	8x4	0.40 m	0.60 m		7.68 m ²
				Total =	161.28 m ²
(14) Painting two coats on new surface.					
outside	8x2	6.00 m	0.60 m		57.60 m ²
inner side	8x2	6.00 m	0.60 m		57.60 m ²
Top	8x2	6.00 m	0.40 m		38.40 m ²
Ends	8x4	0.40 m	0.60 m		7.68 m ²
				Total =	161.28 m ²

(15) P.V. & Fixing of R.C.C. Misgrade Km stones = 07 NOS

(16) P.V. & Fixing of room stones = 26.00 NOS

(17) P.V. & Erecting of direction & place identification sign board = 192 m²

(18) P.V. & Fixing of retro-reflective traffic sign board = ~~20.00 NOS~~

(19) 600mm equilateral triangle = 20.00 NOS

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(19) 600 m Circulation					= 08.60 Hrs
(20) 600 m x 450 m rectangular					= 08.60 Hrs
(21) Plv & Laying of holt applied thermoplastic Compound 2.5 mm thick.					
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 20 x 30.10 m x 0.10 m					= 120.10 m ²
2 x 13 x 30.10 m x 0.10 m					= 78.10 m ²
2 x 1 x 10.10 m x 0.10 m					= 2.10 m ²
					Total = 1280.10 m ²
(22) Plv & Laying of R.C.C MIS grade boundary brick.					
6 x 4 x 4					= 96.00 Hrs.
1					

M.M. Continuation
22/02/22
(JE)

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				H/F Rs	30,71,28=00
$\frac{6}{6}$ P/V & applying prime coat with bitumen emulsion SS-1					
4100.67 m ² , vide TMBB-9					
(a) Rs 41=46/m ² — Rs					1,70,014=00
$\frac{7}{7}$ P/V & applying tack coat with bitumen emulsion RS-1					
4100.67 m ² , vide TMBB-9					
(a) Rs 14=06/m ² — Rs					57,655=00
$\frac{8}{8}$ P/V, curing & rolling of close-grained premix surfacing material of 20mm min.					
4100.67 m ² , vide TMBB-10					
(a) Rs 223=25/m ² — Rs					9,15,475=00
$\frac{9}{9}$ P/V & applying tack coat with bitumen emulsion RS-1					
24000.00 m ² , vide TMBB-10					
(a) Rs 12=22/m ² — Rs					2,93,280=00
				4/0 Rs	45,07,685=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D.	
			RP, B		45,07,685=0
$\frac{10}{10}$ Plv & Learning, Secu					
dense bituminous					
concrete with 100-120					
TPH as per technical					
specification					
600.00 m ³ , vide TMRP-11					
@ Rs 10753=60/m ³ — B					64,52,160=00
$\frac{11}{21}$ Plv & Rixing of typical					
manuf & informatiz sign					
band with log.					
04 nos, vide TMRP-11					
@ Rs 9281=74/m ³ — B					37,127=0
$\frac{12}{22}$ Brick masonry work in					
ceant mortar 1:2 in					
Parabel wall,					
23.04 m ³ , vide TMRP-11					
@ Rs 5102=55/m ³ — B					1,17,563=00
$\frac{13}{23}$ plastering with ceant					
mortar 1:4 on m ²					
brick work					
161.28 m ² , vide TMRP-12					
@ Rs 143=86/m ² — B					23,202=00
				CP Rs 11,37,737=00	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				At BS 1,	11,37,737=00
<u>14</u> 24. Painting two coats including primer coat 161.28 m ² , vide TMBP-12 ① Rs 95=63/m ² — Rs					15,423=00
<u>15</u> 11. Plv & fixing of R.C.C MIS grade Kull stones 07 NOS, vide TMBP-12 ① Rs 2228=76/NOS — Rs					15,603=00
<u>16</u> 12. Plv & fixing of 200mm stones 26.10 NOS, vide TMBP-12 ① Rs 621=55/NOS — Rs					16,160=00
<u>17</u> 13. Plv & erecting of chimney & place identification sign board 1.92 m ² , vide TMBP-12 ① Rs 12314=61/m ² — Rs					23,644=00
<u>18</u> 14. Plv & fixing of auto- reflectonised traffic sign board. 600w. equivalent single. 20.10 NOS, vide TMBP-12 ① Rs 3626=7/NOS — Rs					72,534=00
Continuation					40 Rs 1,12,81,101=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
				At Rs 1,	12,81,101=00
<u>19</u> 15 boom circular					
08 Nos. vide TMRP-13					
(a) Rs 3726=06/Mo - Rs 29,808=00					
<u>20</u> 16 boom x 4.50m rectangular					
08 Nos. vide TMRP-13					
(a) Rs 3596=94/Mo - Rs 28,775=00					
<u>21</u> 20 Plv & Laying of net applied to one plastic Compound 2.5m thick					
12-80m ² vide TMRP-13					
(a) Rs 735=40/m ² - Rs 9,41,312=00					
<u>22</u> 17 Plv & Laying R.C.C. MIS grade boundary pillars.					
96.00 Nos. vide TMRP-13					
(a) Rs 501=76/Mo - Rs 48,169=00					
Total, Rs 1,23,29,165=					
Addy 1% L.C.S. (+) Rs 1,23,292=					
Addy 12% GST + Rs 14,79,500=00					
Total, Rs 1,39,81,957=00					
(Rupees one crore, thirty nine lakh, thirty one thousand, Nine hundred & fifty seven) only.					
Md 22/01/21 (J.E)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Material statement					
① Earth —	2520.00	4.3			
② stone metal —	857.80	4.3			
③ stone chips —	968.72	4.3			
④ stone screening —	121.31	4.3			
⑤ binding material (mortar) —	17.28	4.3			
⑥ coarse sand —	8.18	4.3			
⑦ cement —	3.98	MT			
⑧ Bricks —	11,520	103			
⑨ bitumen emulsion (SS-1) =	3.486	MT			
⑩ bitumen emulsion (RS-1) =	6.528	MT			

⑪ Bitumen, S-90 =	77.022	MT			
⑫ Porcelain waste plastic =	0.624	MT			

Mm
23/01/24
(S.E.)

C.P.
23/01/24
23/01/24

Details of Bituminous item

Invoice No	Date	SS-1	RS-1	S-90
BH 552015 1946	15.12.20	—	—	20.345 MT
BH 552015 1945	"	—	—	20.345 "
BH 552015 1948	"	—	—	19.093 MT
BH 552015 1943	"	—	—	20.345 MT
BTR 00328/ 20.21	11.01.24	3.600	6.600	—
Total qty.		3.600	6.600	80.128 MT
Consumption in this bill		3.486	6.528	77.022 MT

Balance qty = 0.072 MT 3.106 MT

Continuation

Mm
23/01/24
(S.E.)