

MR-N/19-20/Lokhisasai/20 (Sovajgaah)

Schedule XLV-Form No. 134

New maint. Policy-2018

(Subesh kumar)

NH-80 Path to Chandrapura Path.

DIVISION

Date of start - 12.02.2021

Date of end - 11.11.2021 SUB-DIVISION

Agg. No :- 26 (MSD) 2020-21

MEASUREMENT BOOK

M.B. No - 648

56

1st & final Bill

Name to 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:- NH 80 Path to Chondampura Path

Agency:- Sri Subesh Kumar

Agreement no:-

Date of commencement:-

Date of completion:-

Date of entry:-

Record Measurement

1. Cleaning and grubbing road Land including uprooting wild tree

$$2 \times 1.080 \times 1.0 / 10000 = 0.216 \text{ Hect.}$$

2. Forming and fixing of typical masonry informational Sign Board.
2.0 Nos.

3. Supplying and providing NP3 300mm dia HPC across carriageway.
3 x 2.50 = 7.50 m.

4. Construction of granular sub-base with well graded material

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	9.0	2.10	0.150	$= 2.840 \text{ m}^3$
	1	8.0	1.60	0.150	$= 1.920 \text{ m}^3$
	1	7.0	1.70	0.150	$= 1.790 \text{ m}^3$
	1	10.0	1.50	0.150	$= 2.25 \text{ m}^3$
	1	11.0	1.30	0.150	$= 2.145 \text{ m}^3$
	1	9.0	1.20	0.150	$= 1.62 \text{ m}^3$
	1	8.50	1.40	0.150	$= 1.79 \text{ m}^3$
	1	9.0	1.50	0.150	$= 2.025 \text{ m}^3$
	1	8.0	1.60	0.150	$= 1.92 \text{ m}^3$
	1	9.00	2.20	0.150	$= 2.97 \text{ m}^3$
	1	9.00	2.20	0.150	$= 2.31 \text{ m}^3$
	1	6.0	1.90	0.150	$= 1.71 \text{ m}^3$
	1	8.0	2.50	0.180	$= 3.60 \text{ m}^3$
	1	7.0	1.70	0.150	$= 1.79 \text{ m}^3$

$$1 \times 8.0 \times 2.10 \times 0.150 = 2.52 \text{ m}^3$$

$$1 \times 10.0 \times 2.40 \times 0.150 = 3.60 \text{ m}^3$$

$$1 \times 6.0 \times 2.60 \times 0.150 = 2.34 \text{ m}^3$$

$$1 \times 9.0 \times 2.40 \times 0.150 = 3.24 \text{ m}^3$$

$$1 \times 7.0 \times 2.30 \times 0.150 = 2.42 \text{ m}^3$$

$$1 \times 10.0 \times 1.90 \times 0.150 = 2.85 \text{ m}^3$$

$$47.06 \text{ m}^3$$

$$\text{Limit} - 47.03 \text{ m}^3$$

Date of entry:-

OS.

Providing, laying,
spreading and Comp-

Stom aggregate Gr II.

$$1 \times 9.0 \times 2.20 \times 0.075 = 1.49 \text{ m}^3$$

$$1 \times 8.0 \times 1.70 \times 0.075 = 1.02 \text{ m}^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		1 X 7.0 X 1.80 X 0.075			= 0.95 m ³
		1 X 10.0 X 1.60 X 0.075			= 1.20 m ³
		1 X 11.0 X 1.40 X 0.075			= 1.16 m ³
		1 X 9.0 X 1.30 X 0.075			= 0.88 m ³
		1 X 8.5 X 1.50 X 0.075			= 0.96 m ³
		1 X 9.0 X 1.60 X 0.075			= 1.08 m ³
		1 X 8.0 X 1.70 X 0.075			= 1.02 m ³
		1 X 9.0 X 2.30 X 0.075			= 1.55 m ³
		1 X 7.0 X 2.80 X 0.075			= 1.21 m ³
		1 X 6.0 X 2.00 X 0.075			= 0.90 m ³
		1 X 8.0 X 2.60 X 0.075			= 1.56 m ³
		1 X 7.0 X 1.80 X 0.075			= 0.95 m ³
		1 X 8.0 X 2.20 X 0.075			= 1.32 m ³
		1 X 10.0 X 2.50 X 0.075			= 1.88 m ³
		1 X 6.0 X 2.70 X 0.075			= 1.22 m ³
		1 X 9.0 X 2.50 X 0.075			= 1.69 m ³
		1 X 7.0 X 2.40 X 0.075			= 1.26 m ³
		1 X 10.0 X 2.0 X 0.075			= 1.50 m ³
		1 X 7.0 X 2.10 X 0.075			= 1.10 m ³
		1 X 8.0 X 2.20 X 0.075			= 1.32 m ³
		1 X 6.0 X 2.30 X 0.075			= 1.04 m ³
		1 X 8.0 X 2.40 X 0.075			= 1.44 m ³
		1 X 9.0 X 2.50 X 0.075			= 1.69 m ³
		1.80 X 2.10 X 0.075			= 1.26 m ³
		1.80 X 2.30 X 0.075			= 1.38 m ³
					34.03 m ³
		Grand Total = 33.99 m ³			

Continuation

S. P. d.
1/10/21
J.E.

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

Date of entry: _____

06. Plv. Laying, spreading
and compacting stone

aggregate with Gr III

$$1 \times 9.0 \times 2.30 \times 0.075 = 1.5525 \text{ m}^3$$

$$1 \times 8.0 \times 1.80 \times 0.075 = 1.08 \text{ m}^3$$

$$1 \times 7.0 \times 1.90 \times 0.075 = 0.9975 \text{ m}^3$$

$$1 \times 10.0 \times 1.70 \times 0.075 = 1.275 \text{ m}^3$$

$$1 \times 11.0 \times 1.50 \times 0.075 = 1.2375 \text{ m}^3$$

$$1 \times 9.0 \times 1.40 \times 0.075 = 0.945 \text{ m}^3$$

$$1 \times 8.5 \times 1.60 \times 0.075 = 1.020 \text{ m}^3$$

$$1 \times 9.0 \times 1.70 \times 0.075 = 1.1475 \text{ m}^3$$

$$1 \times 8.0 \times 1.80 \times 0.075 = 1.08 \text{ m}^3$$

$$1 \times 9.0 \times 2.40 \times 0.075 = 1.62 \text{ m}^3$$

$$1 \times 7.0 \times 2.40 \times 0.075 = 1.26 \text{ m}^3$$

$$1 \times 6.0 \times 2.10 \times 0.075 = 0.945 \text{ m}^3$$

$$1 \times 8.0 \times 2.70 \times 0.075 = 1.62 \text{ m}^3$$

$$1 \times 7.0 \times 1.90 \times 0.075 = 0.9975 \text{ m}^3$$

$$1 \times 8.0 \times 2.30 \times 0.075 = 1.380 \text{ m}^3$$

$$1 \times 10.0 \times 2.60 \times 0.075 = 1.95 \text{ m}^3$$

$$1 \times 6.0 \times 2.80 \times 0.075 = 1.26 \text{ m}^3$$

$$1 \times 9.0 \times 2.60 \times 0.075 = 1.755 \text{ m}^3$$

$$1 \times 7.0 \times 2.50 \times 0.075 = 1.3125 \text{ m}^3$$

$$1 \times 10 \times 2.50 \times 0.075 = 1.575 \text{ m}^3$$

$$1 \times 7.0 \times 2.20 \times 0.075 = 1.155 \text{ m}^3$$

$$1 \times 8.0 \times 2.30 \times 0.075 = 1.380 \text{ m}^3$$

$$1 \times 6.0 \times 2.40 \times 0.075 = 1.08 \text{ m}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	8.0	2.50	0.075	$= 1.50 \text{ m}^3$
	1	9.0	2.60	0.075	$= 1.755 \text{ m}^3$
	1	8.0	2.20	0.075	$= 1.32 \text{ m}^3$
	1	8.0	2.40	0.075	$= 1.44 \text{ m}^3$
	1	10.0	1.80	0.075	$= 1.350 \text{ m}^3$
	1	11.0	2.10	0.075	$= 1.7325 \text{ m}^3$
	1	12.0	2.0	0.075	$= 1.80 \text{ m}^3$
	1	15.0	2.10	0.075	$= 2.3625 \text{ m}^3$
	1	13.0	2.20	0.075	$= 2.145 \text{ m}^3$
	1	14	2.30	0.075	$= 2.415 \text{ m}^3$
	1	15.0	2.50	0.075	$= 2.8125 \text{ m}^3$
	1	10.0	2.0	0.075	$= 1.50 \text{ m}^3$
	1	13.0	1.90	0.075	$= 1.8525 \text{ m}^3$
	1	11.0	1.80	0.075	$= 1.485 \text{ m}^3$
					55.095 m^3
or. Providing, laying and rolling of close graded prime coat (SS-1)					
	1	9.0	2.30	=	20.70 m^2
	1	8.0	1.80	=	14.40 m^2
	1	7.0	1.90	=	13.30 m^2
	1	10.0	1.70	=	17.0 m^2
	1	11.0	1.50	=	16.5 m^2
	1	9.0	1.40	=	12.60 m^2
	1	8.5	1.60	=	13.60 m^2
	1	9.0	1.70	=	15.30 m^2

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1X	8.0X	1.80 =		14.4m ²
	1X	9.0X	2.40 =		21.60m ²
	1X	7.0X	2.40 =		16.80m ²
	1X	6.0X	2.10 =		12.60m ²
	1X	8.0X	2.70 =		21.60m ²
	1X	7.0X	1.90 =		13.3m ²
	1X	8.0X	2.30 =		18.4m ²
	1X	10.0X	2.60 =		26.0m ²
	1X	6.0X	2.80 =		16.80m ²
	1X	9.0X	2.60 =		23.40m ²
	1X	7.0X	2.50 =		17.50m ²
	1X	10.0X	2.10 =		21.0m ²
	1X	7.0X	2.20 =		15.40m ²
	1X	8.0X	2.30 =		18.40m ²
	1X	6.0X	2.40 =		14.40m ²
	1X	8.0X	2.50 =		20.00m ²
	1X	9.0X	2.60 =		23.40m ²
	1X	8.0X	2.20 =		17.60m ²
	1X	8.0X	2.40 =		19.20m ²
	1X	10.0X	1.80 =		18.0m ²
	1X	11.0X	2.10 =		23.10m ²
	1X	12.0X	2.00 =		24.0m ²
	1X	15.0X	2.10 =		31.50m ²
	1X	13.0X	2.20 =		28.60m ²
	1X	14.0X	2.30 =		32.20m ²
	1X	15.0X	2.50 =		37.50m ²
	1X	10.0X	2.00 =		20.0m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		1X13.0X	1.90 =		24.70m ²
		1X11.0X	1.80 =		19.80m ²
					736.60m ²
14.10m²					
08. Paving, laying & rolling of close-grade primary surfacing					
20mm go					
		1X9.0X	2.30 =		20.70m ²
		1X8.0X	1.80 =		14.40m ²
		1X7.0X	1.90 =		13.30m ²
		1X10.0X	1.70 =		17.0m ²
		1X11.0X	1.50 =		16.50m ²
		1X9.0X	1.40 =		12.6m ²
		1X8.50X	1.60 =		13.60m ²
		1X9.00X	1.70 =		13.50m ²
		1X8.00X	1.80 =		14.40m ²
		1X9.00X	2.40 =		21.60m ²
		1X7.00X	2.40 =		16.80m ²
		1X6.00X	2.10 =		12.60m ²
		1X8.00X	2.70 =		21.6m ²
		1X7.00X	1.90 =		13.30m ²
		1X8.00X	2.30 =		18.40m ²
		1X10.0X	2.60 =		26.0m ²
		1X6.0X	2.80 =		16.80m ²
		1X9.0X	2.60 =		23.40m ²

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
	1	7.0	2.50		17.50 m^2
	1	10.0	2.10		21.0 m^2
	1	7.0	2.20		15.40 m^2
	1	8.0	2.30		18.40 m^2
	1	6.00	2.40		14.40 m^2
	1	8.00	2.50		20.0 m^2
	1	9.00	2.60		23.4 m^2
	1	8.00	2.20		17.60 m^2
	1	8.00	2.40		19.20 m^2
	1	10.0	1.80		18.0 m^2
	1	11.0	2.10		23.10 m^2
	1	12.0	2.00		24.0 m^2
	1	15.0	2.10		31.50 m^2
	1	13.60	2.20		28.60 m^2
	1	14.0	2.30		32.20 m^2
	1	15.0	2.50		37.50 m^2
	1	10.0	2.00		20.0 m^2
	1	13.0	1.90		24.70 m^2
	1	11.0	1.80		19.80 m^2
					734.6 m^2
10/10/21 -					
Date of entry:-					
eg. Bonding and applying					
tack coat with bitumen					
emulsion					
	3	30	3.75		337.50
	4	30	3.75		450.00

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
	3	X 30	X 3.75	=	337.50 m ²
	2	X 30	X 3.75	=	237.00 m ²
	3	X 30	X 3.75	=	337.50 m ²
	2	X 30	X 3.75	=	225.00 m ²
	3	X 30	X 3.75	=	337.50 m ²
	2	X 30	X 3.75	=	237.00 m ²
	2	X 30	X 3.75	=	225.00 m ²
	2	X 30	X 3.75	=	237.00 m ²
	1	X 30	X 3.75	=	112.50 m ²
	1	X 16	X 3.75	=	60.00 m ²
					<u>3135.50 m²</u>

10. Forming and laying
Semi dense bitumen
concrete with 100-120

3	X 30	X 3.75	X 0.025	=	8.4375 m ³
4	X 30	X 3.75	X 0.025	=	11.25 m ³
5	X 30	X 3.75	X 0.025	=	14.0625 m ³
5	X 30	X 3.75	X 0.025	=	14.0625 m ³
3	X 30	X 3.75	X 0.025	=	8.4375 m ³
2	X 30	X 3.75	X 0.025	=	5.925 m ³
2	X 30	X 3.75	X 0.025	=	5.925 m ³
1	X 30	X 3.75	X 0.025	=	2.8125 m ³
1	X 16	X 3.75	X 0.025	=	1.50 m ³
2	X 30	X 3.75	X 0.025	=	5.925 m ³
					<u>78.34 m³</u>

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
11. Construction of Slabgrade 4 Shoulder with approved material					
	2x2x30	x0.9	x0.3		18.0 m³ 32.4 m ³
	2x2x30	x0.9	x0.3		18.0 m³ 32.4 m ³
	2x4x30	x0.9	x0.3		36.0 m³ 64.8 m ³
	2x1x30	x0.9	x0.3		18.0 m ³
	2x1x20	x0.9	x0.3		12.0 m ³
	2x3x30	x0.9	x0.3		48.6 m ³
	2x5x30	x0.9	x0.3		81.0 m ³
	2x4x30	x0.9	x0.3		64.8 m ³
	2x5x30	x0.9	x0.3		81.0 m ³
	2x1x16	x0.5	x0.3		4.8 m ³
	2x8x30	x0.5	x0.3		72.0 m ³
	2x1x14	x0.5	x0.3		4.2 m ³ 437.80 m³
Date of entry: 20/10/20					516.00 Limit - 513.60 m ³
12. Supply and providing mp 200					
	3x2.50				7.50 m
13. Brick masonry c.m. (1:3) in parapet					
	2x2x6.0	x0.40	x0.60		5.76 m ³
14. Plastering with cement mortar (1:4)					
	2x4.0x6	x0.6			28.80 m ²
	2x2.0x6.0	x0.4			9.60 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$2 \times 4.0 \times 0.4 \times 0.6 = 1.92 \text{ m}^2$
					40.32 m^2
15. Painting two coats on new concrete					
					$2 \times 4.0 \times 6.0 \times 0.6 = 28.80 \text{ m}^2$
					$2 \times 2.0 \times 6.0 \times 0.4 = 9.60 \text{ m}^2$
					$2 \times 4.0 \times 0.4 \times 0.6 = 1.92 \text{ m}^2$
					40.32 m^2
16. Reinforced cement concrete mis grade kerb stone - 1 Nos.					
17. Reinforced cement concrete mis grade 200 mm stone - 5 Nos					
18. Direction and Place identification signs with size more than 0-90 sqm Side Bur.					
					$2 \times 1.20 \times 0.80 = 1.92 \text{ m}^2$
19. Gronding and fixing of retro. reflector					
① 600 mm equilateral - 17 Nos.					
② 600 mm circular - 8 Nos.					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(iii)	600 mm x 450 mm rect.				4.0 No.
(iv)	100 mm octagon steps				1 No.
20.	Reinforced cement concrete m/s grade boundary pillars				48 Nos.
21.	Painting kulkh and figures of m/s				352 / per cm
22.	Providing and laying of hot asphalt thorn compound - 2.5 mm				$2 \times 826 \times 0.100 = 165.2 \text{ m}^2$
23.	Planting of trees by the road side in 0.60 m dia hole				36 Nos. —
By <i>[Signature]</i> 25.10.21 J. G.		By <i>[Signature]</i> 25/10/21 AB			

Abstract of cost

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Sch. XLV—Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1. Clearing and Grubbing road land including					
0.216 Hect. vide item no-1 P-1					
@Rs=5110/-	12				Rs=11038=50
2. Providing and fixing of typical masonry					
information sign Board.					
2.0 Nos. vide item no-2 P-1					
@Rs=9467/-	84				Rs=18936=00
3. Supplying and ready					
NP3 130mm on 8					
7.50m vide item no-3 P-1					
@Rs=549/-	99				Rs=4125=00
4. Construction of granular					
sub base by providing well graded material.					
47.03 m ² vide item no-4 P-2					
@Rs=1335/-	90				Rs=62827=00
5. Providing & laying specially					
and concrete Gr-II					
33.99 m ³ vide item no-5 P-3					
@Rs=2462/-	28				Rs=83693=00
6. Providing, Laying, spreading					
& compaction 150mm					
Gr-II					
55.095 m ³ vide item no-6 P-5					
@Rs=2080/-	75				Rs=114639=00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
7. Construction of Subgrade & earthen shoulders					
429.800 ⁵ vide item no-7 P.10					
513.60	@Rs=189=41				Rs: 97281=00 83503=00
8. Providing and applying primer coat (Sb-1)					
734.67 m ² vide item no-8 P.7					
	@Rs=42=51				Rs: 31231=00
9. Providing, laying and rolling of close-graded premix surfacing					
734.60 m ² vide item no-8 P.8					
	@Rs=162=81				Rs: 119600=00
10. Providing and applying tack coat with bitumen emulsion.					
3133.50 m ² vide item no-9 P.9					
	@Rs=14=45				Rs: 45219=00
11. Providing and laying semi dense bituminous concrete with 100-120					
78.34 m ³ vide item no-10 P.9					
	@Rs=9265=01				Rs: 725821=00
12. Reinforced cement concrete M15 grade work					
1 Nos. vide item no-16 P.11					
	@Rs=2025=08				Rs: 2025=00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
13. Reinforced cement concrete M15 grade.					
200 mm Stone					
5 Nos. wide item no-17 P-11					
@ Rs=575=83					Rs: 28792.00
14. Retro-reflectorised traffic signs board					
1.92 m ² wide item-18 P-11					
@ Rs=12182.20					Rs: 23389.20
15. Providing and fixing of retro-reflector caution marking 600mm equilateral					
17.0 Nos wide item-19 P-11					
@ Rs=3529=67					Rs: 59919.00
16. Providing and fixing of retro-reflector marking 600 mm Circle					
8.0 Nos. wide item no-19 P-11					
@ Rs=3654=26					Rs: 29234.00
17. Providing and fixing of retro-reflector 600mm X 450mm rect					
4.0 Nos. wide item no-19 P-11					
@ Rs=3525=14					Rs: 14100.00
18. Providing and fixing of					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
retro-reflectors					
caution, mandatory and information sign					
700mm octagon stop					
1 Nos.	vide item no. 19	P-12			
	@ Rs. 7517.294				Rs. 7518.00
19. Brick masonry cm					
(1:3) in parapet					
5.76 m ³	vide item no. 13	P-10			
	@ Rs. 5768.17				Rs. 33225.00
20. Plastering with cement mortar (1:4) on brick					
40.32 m ²	vide item no. 4	P-11			
	@ Rs. 141.44				Rs. 5703.00
21. Painting two coats on new concrete					
40.32 m ²	vide item no. 15	P-11			
	@ Rs. 980.5				Rs. 3953.00
22. Reinforced cement concrete M15 grade boundary path					
48.0 No.	vide item no. 20	P.			
	@ Rs. 508.77				Rs. 24421.00
23. Painting new letter and figures of any					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Shade with synthet					
352.2m ² vide item no. 21 p. 12					
@ Rs. 0.53					Rs. 187.20
24. Planting of tree by the					
road					
36.0 each vide item no. 23 p. 12					
@ Rs. 818.70					Rs. 29473.20
25. Formidung and laying					
of hot asphalt m					
165.2m ² vide item no. 22 p. 12					
@ Rs. 735.03					Rs. 121427.20
					Rs. 1671924.00
Add 12% GST					Rs. (+) = 200631.00
Add 1% L.C.					Rs. (+) = 16719.00
					Rs. 1889274.00
Add S.F.					(+) Rs. 18273.00
					1907547.00
<i>[Signature]</i>					
25.10.21					
J.E.					
<i>[Signature]</i>					
25/10/21					
AG					
<i>[Signature]</i>					
11/11/2021					