

Basappa to colony to Boreheta and. N.Y.N.Y. City

~~Basappa~~ Basappa Basappa

Basappa

Basappa P. W. D.

E.I.E. R.W.D. Work A.B.A.D. Division

Assistant Engineer R.W.D. S.I.D. Division

Work Sub-Div - K.U.T. Umba

Basappa P. W. D.

2595

Agency - Vinay K. Singh

Certified that this M.B. contain
100 (one hundred) pages by printer
& Machine and ISSUED to Sri
Baburam A.E R.W.D Work
Sub-Div-Kutumba

YK Singh
10/7/20
EXECUTIVE ENGINEER
Rural Works Division, nt
Works Division, Aurangabad
10/7/20

Schedule XLV - Form No. 134.

E.E R.W.D A.BAD DIVISION.

Assistant Engineer SUB-DIVISION:

R.W.D Work Sub-Div-Kutumba

MEASUREMENT BOOK.

211247 2595

Name of owner Sri Baburam A.E

R.W.D Work Sub-Div-Kutumba

Date of first entry _____

Date of last entry _____

Date of issue of this book _____

(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.	
1st on A/c bill					
NFO. Construction of road from					
Basara to colony to					
Barketa.					
Agency - Sri Vivek Kr. Singh.					
Agreement no - 43(sed)/2020-21					
Date of work start - 08/06/2020					
Date of completion - 07/03/2021					
Date of entry -					
Measurement.					

① clearing and grading road land.

$$\begin{aligned}
 2 \times 17 \times 30 \times 3.50 &= 3570.00 \text{ m}^3 \\
 2 \times 1 \times 25 \times 3.50 &= 175.00 \text{ m}^3 \\
 \hline
 &= 3745.00 \text{ m}^3 \\
 &= 0.374 \text{ m}^3
 \end{aligned}$$

② Dismantling of existing structure like cutvert

$$\begin{aligned}
 3 \times 2 \times 3.60 \times 0.40 \times 0.20 &= 1.73 \text{ m}^3 \\
 1 \times 2 \times 6.15 \times 0.40 \times 0.25 &= 0.74 \text{ m}^3 \\
 \hline
 &= 2.47 \text{ m}^3
 \end{aligned}$$

③ Dismantling of existing structure like cutvert (Bridgeway)

$$\begin{aligned}
 3 \times 2 \times 3.60 \times 0.70 \times 2.98 &= 45.06 \text{ m}^3 \\
 3 \times 2 \times 3.60 \times 0.40 \times 0.60 &= 5.18 \text{ m}^3 \\
 1 \times 2 \times 6.15 \times 0.825 \times 3.18 &= 32.27 \text{ m}^3 \\
 1 \times 2 \times 6.15 \times 0.40 \times 0.60 &= 2.95 \text{ m}^3
 \end{aligned}$$

Less pile. Continuation

$$\begin{aligned}
 3 \times 2 \times 0.7857 \times (0.83)^2 \times 0.53 &= (-) 1.72 \text{ m}^3 \\
 1 \times 2 \times 0.7857 \times (0.23)^2 \times 0.62 &= (-) 1.48 \text{ m}^3 \\
 \hline
 &= 82.26 \text{ m}^3
 \end{aligned}$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(4) Removing limestone pipe					
(i) up to 600 mm ϕ -					
		3	3	2.50	= 22.50 m ³
(ii) 600 mm to 900 mm ϕ					
			2	2.50	= 5.00 m ³
(5) E/W in excavation for founder of structure.					
H.W.	2	3.90	1.15	1.50	= 13.45 m ³
Below pipe.	1	5.35	1.13	0.365	= 2.21 m ³
					<u>15.66 m³</u>
(6) Providing p.c.c. 15 in open foundation					
H.W.	2	3.90	1.15	0.15	= 1.35 m ³
Below pipe.	1	5.31	1.13	0.25	= 1.50 m ³
					<u>2.85 m³</u>
(7) Providing p.c.c. 20 in substructure.					
H.W.	2	3.60	$\frac{1.00 + 0.40}{2}$	2.78	= 14.01 m ³
P.C.C. 20	2	3.60	0.40	0.60	= 1.73 m ³
Less pipe.	2	0.7857	$(0.83)^2$	0.53	= (-) 0.57 m ³
					<u>15.17 m³</u>
(8) Providing 4 layers p.c.c. N/34 Pipe of 600 mm ϕ .					
	3	2.50			= 7.50 m ³
(9) Providing 4 layers p.c.c. below pipe of 300 mm ϕ .					
	2	4	2.50		= 20.00 m ³
(10) Box cutting & overlay.					
	2	2	30	0.525	0.10 = 6.30 m ³
	2	1	25	0.525	0.10 = 2.63 m ³
					<u>8.93 m³</u>

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Profile correction.					
	4	1.10	1.45	0.15	$= 0.83 \text{ m}^3$
	6	1.21	1.05	0.15	$= 1.14 \text{ m}^3$
	8	1.72	0.90	0.15	$= 1.86 \text{ m}^3$
	30	2.2	0.525	0.10	$= 6.30 \text{ m}^3$
	2	2.25	0.525	0.10	$= 2.63 \text{ m}^3$
on floor - 1	2	30	4.05	0.10	$= 24.30 \text{ m}^3$
	1	25	4.05	0.10	$= 10.13 \text{ m}^3$
	1	6	30	4.05	$= 145.80 \text{ m}^3$
	1	1	20	4.05	$= 16.20 \text{ m}^3$
					<u>209.19 m^3</u>
(15)	8	30	3.75	0.10	$= 90.00 \text{ m}^3$
	1	10	3.75	0.10	$= 3.75 \text{ m}^3$
					<u>Total = 302.94 m^3</u>

(15) providing a lamp

with grading. 17

9	30	3.75	0.075	$= 75.94 \text{ m}^3$
1	15	3.75	0.075	$= 4.22 \text{ m}^3$
8	30	3.75	0.075	$= 67.50 \text{ m}^3$
1	10	3.75	0.075	$= 2.81 \text{ m}^3$
				<u>150.47 m^3</u>

Sunil Kumar

11/9/2020

S.B.

(16) cement concrete

pavement - 17-30

8	30	3.75	0.16	$= 144.00 \text{ m}^3$
1	10	3.75	0.16	$= 6.00 \text{ m}^3$
				<u>150.00 m^3</u>

Sunil Kumar

11/9/2020

S.B.

[Signature]
11.9.20
A.T.E.

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				B.F.E.	1472202 ✓
(8) Providing and laying					
2.00 m ² u. pipe of 60 mm.					
7.50 m wide T&B P. 2					
				@ 995 = 88/5	74692 ✓
(9) Providing and laying					
Rect. Laying pipe of 300 mm.					
20.00 m wide T&B P. 2					
				@ 888 = 30/5	17766 = ✓
(10) Box cutting in					
roadway.					
8.93 m ² wide T&B P. 2					
				@ 742 = 16/5	6622 ✓
(11) Excavated material					

					from box cutting
5.36 m ² wide T&B P. 3					
				@ 26 = 11/5	140 = ✓
(12) Construction of embankment with material					
wide T&B P. 3					
(i) For 1000 m long					
483.56 m ³ @ 174 = 94/5					84594 = ✓
(ii) For 100 m long					
322.37 m ³ @ 131 = 03/5					42240 = ✓
(13) Construction of subgrade and earthen shoulders.					
436.50 m ³ wide T&B P. 3					
				@ 176 = 58/5	77077 = ✓
(14) Construction of G.S.E					
302.94 m ³ wide T&B P. 4					

Continuation
 @ 2499 = 39/5 = 757165 = ✓
 { 1134333 = ✓

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				B.F.S.	1134333 = v
(15) Providing and laying wash gradient 11)					
150.47 m ³ width 1.50 - 4					
					0.3591 = 52/5 ³ → 540416 = v
					1674749 = v
Add 12% GST 1/2					100970 = v
i/l L. cess 2					16747 = v
					1872466 = v
Less 10% (As per rule) (1/2)					189247 = v
					1703219 = v
Summary 11/9/2020 3E					
(16) cement concrete pavement 11-30.					

150.00 m ³ width 1.50 - 4					
					0.6106 = 47/5 ³ → 915971 = v
					2590720 = v
Add 12% GST 1/2					310886 = v
i/l L. cess 2					25907 = v
					2927513 = v
Less 10% (As per rule) (1/2)					292751 = v
					2634762 = v
Summary 11/9/2020 3E					
					11/9/20 AE
CSP					
					16/9/2020