

Atoli Bandh to Atoli - 17.1.1954

Schedule XIV - Part No 1345

1000 1000

BHAR P. W. D.

E. E. R. W. D. Work Assessment Division

A. E. Kulkarni. Sub-Division

MAJOR ROAD WORK. M.B.H.

2653

Smt. Rima Singh

Certified That This M.B. Contain (100)
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Work Sub-Div... Kutumbur

Executive Engineer
Rural Works Division, at
Works Division, Aurangabad

10/7/2020

Schedule XLY - Form No. 134.

E. G. A. bacl DIVISION.

A. E. Kutumbur DIVISION.

MEASUREMENT BOOK.

MB. No. [2653]

211346

Date of issue only

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निष्ठा. नवमिह ईस. गण ।

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.	
1st on A/c bill					
N/w - construction of road from					
Atrauli Baudh to Atrauli Baudh.					
Agency - Smt. Reena Devi					
Agreement no -					
Date of work start -					
Date of completion -					
Date of entry -					
<u>Measurement</u>					
① cleaning and grubbing					
road land.					

2 x 31 x 30 x 3.50 =	6510.00 m ²
2 x 1 x 20 x 3.50 =	140.00 m ²
	6650.00 m ²
	= 0.67 Hec.

② C/W i excavation for
foundⁿ of structure.

H.W. 3 x 2 x 3.90 x 1.150 x 1.50 =	40.36 m ³
Below pipe. 3 x 1 x 5.35 x 1.13 x 0.365 =	6.62 m ³
	46.98 m ³

③ Providing P.C.C. M-15
in open foundation.

H.W. 3 x 2 x 3.90 x 1.15 x 0.15 =	4.04 m ³
Below pipe. 3 x 1 x 5.311 x 1.13 x 0.25 =	4.50 m ³
	8.54 m ³

④ Providing P.C.C. M-20
in substructure.

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
H.W. 3x2	3.60	1.00	0.40	2.78	42.03 m ³
Pumpet. 3x2	3.60	0.40	0.60		5.18 m ³
Less pipe. 3x2	0.7857	(0.83) ²	0.53		(-) 1.72 m ³
					45.49 m ³

⑤ Providing and laying r.c.c.

N^o 4 pipe of 600 mm.

$$3 \times 3 \times 2.50 = 22.50 \text{ m}$$

⑥ Providing and laying

r.c.c. pipe of 300 mm.

$$3 \times 4 \times 2.50 = 30.00 \text{ m}$$

⑦ Excavation for roadway

in soil / (Box cutting)

$$2 \times 5 \times 30 \times 0.375 \times 0.10 = 11.25 \text{ m}^3$$

⑧ Excavated material

from Box cutting.

$$11.25 \times 60/100 = 6.75 \text{ m}^3$$

⑨ Construction of embankment

with material

E/W calculation.

Chainage	Fill Area	Mean Area	Dist.	Fill volume
0	1.603	—	—	—
50	2.477	2.040	50	102.000
100	2.253	2.365	50	118.250
150	2.061	2.157	50	107.850
200	1.889	1.925	50	98.750
250	2.425	2.157	50	107.850
300	2.257	2.341	50	117.050
350	1.911	2.084	50	104.200
400	2.099	2.005	50	100.250

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Chainage	Pill Area	Mean Area	Dist.		Pill volume
400	2.099	-	-	-	-
450	2.310	2.205	50		110.225
500	2.232	2.271	50		113.550
550	2.001	2.117	50		105.825
600	1.866	1.937	50		96.675
650	1.901	1.887	50		94.175
700	1.918	1.910	50		95.475
750	1.816	1.867	50		93.350
800	1.723	1.770	50		88.475
850	2.061	1.892	50		94.600
900	2.060	2.061	50		103.025
950	2.005	2.033	50		101.625
			Total 47		1953.205 ³

(i) For 1000 m long 26/- = 507.835³

(ii) For 100 m long 14/- = 312.515³

(10) construction of Subgrade

and earthen shoulders.

$23 \times 30 \times \frac{6.83 + 7.72}{2} \times 0.30 = 1505.935^3$

$1 \times 10 \times \frac{6.83 + 7.72}{2} \times 0.30 = 21.835^3$

1527.765³

(11) construction of

G.S.B.

$23 \times 30 \times 4.05 \times 0.20 = 558.90$
~~838.355³~~

$1 \times 10 \times 4.05 \times 0.20 = 8.105^3$

$2 \times 5 \times 30 \times 0.375 \times 0.10 = 11.255^3$

$3 \times 30 \times 3.75 \times 0.10 = 33.755^3$

$1 \times 10 \times 3.75 \times 0.10 = 3.755^3$

Profile correction.

$2 \times 3.90 \times 2.70 \times 0.15 = 3.165^3$

Continuation

$3 \times 3.15 \times 2.20 \times 0.15 = 3.125^3$

$4 \times 0.98 \times 1.20 \times 0.10 = 0.475^3$

622.505³

[illegible]

① clearing and grubbing road land.

0.67 Hec. Vise TMB P-1

04. 49496270/4ec - 33163 = 4

② 12/0 is excavation for formwork of structure.

46.984³ yds TAB P- 1

$$\textcircled{8} 260259 / 5^3 - 212243 = 4$$

③ Provisory p.c.c. 14-15.
is open foundation.

8.54 m³ like TMS p-1

$$0.5325 = 54\% - 45480 = 0$$

(4) Providing P.C.C. 11-20
in sub structure.

Continuation
45.49 m³ side TRASP-1 to 2

OK, 6178 ± 56 / s² — 281063 ± 20

371949.200

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
				B.F.B.	371949 = 0
⑤ Providing and laying					
R.C.C. N ^o 4 pipe of 600 mm					
22.50 m	vide TMB P. 2				
				@ 1049288/m	23622 = 0
⑥ Providing and laying					
R.C.C. pipe of 300 mm					
30.00 m	vide TMB P. 2				
				@ 909259/m	27288 = 0
⑦ Excavation for roadway					
in Soil (Box cutting)					
11.25 m ³	vide TMB P. 2				
				@ 74210/m ³	834 = 0
⑧ Excavated material from box cutting					
6.75 m ³	vide TMB P. 2				
				@ 26206/m ³	176 = 0
⑨ Construction of embankment with material					
(i) vide TMB P. 2 to 3					
(i) For 1000 m lead					
507.83 m ³	@ 174283/m ³				88784 = 0
(ii) For 100 m lead					
312.51 m ³	@ 130286/m ³				40895 = 0
⑩ Construction of Subgrade and earthen shoulders.					
1527.76 m ³	vide TMB P. 3				
				@ 176247/m ³	269604 = 0
				B.	823152 = 0

Continuation

[illegible]

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