

Agency - Sri Devendra pd. Singh.

Mission School Nagard to Srinagar

~~XXXX~~ XLV-Form No. 111

11.11.11

Section Officer

~~XXXX~~ P. W. D.

~~EE~~ R. W. D. work Arrangement

~~XXXX~~ Division

~~EE~~ Deo

~~XXXX~~ S. D. Division

~~XXXX~~ S. D. Division

No. 128013

Certified That This M.B. Contain (100)
Pages By Printers Machine And Issued
To Sri... Rabam RamA.E- R.W.D
Work Sub-Div... Deo

YK/101
10/7/20

Executive Engineer
Road Works Depart. nt
Works Division, Aurangabad
10/7/20

Schedule XLV - Form No. 134.

EE. Abad

DIVISION.

A.E. Deo

SUB-DIVISION.

MEASUREMENT BOOK.

2813

11661

Sri Rabam Ram A.E. Deo

Quantity of work done

Value of work done

निम्न. नमूने के अनुसार ।

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

Name of work - Construction of Road
 from Mission School Road Nalwadi
 to Sri Rambhagha under Neel
 M.M.G.S.Y.

Agency - Sri Devendra Prasad
 Singh

Agreement No. - 76 GBD/ 20-21

Date of work start - 16-9-20

Date of completion - 15-9-21

(After agreement)

Date of Measurement -

H.P. Culvert - 2 NO (600 mm dia)

(1) E/W on excavation for
 structure of foundation -

$$2 \times 2 \times 3.9 \times 1.15 \times 1.50 = 26.91 \text{ M}^3$$

$$2 \times 1 \times 5.35 \times 1.13 \times 0.365 = 4.41$$

$$31.32 \text{ M}^3$$

(2) Providing PCC M15 on

open taken down -

$$2 \times 2 \times 3.9 \times 1.15 \times 0.150 = 2.691 \text{ M}^3$$

$$2 \times 1 \times 5.311 \times 1.13 \times 0.250 = 3.000$$

$$5.691 \text{ M}^3$$

(3) Providing PCC M20 on

sub structure -

$$2 \times 2 \times 3.6 \times 0.700 \times 2.780 = 28.022$$

$$2 \times 2 \times 3.6 \times 0.400 \times 0.600 = 3.456$$

Less for pipe

$$2 \times 2 \times 0.7857 \times (0.83)^2 \times 2.780 = 1.147$$

$$30.331 \text{ M}^3$$

$$\text{or } 30.33 \text{ M}^3$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(4) Providing RCC N.P. 3 ft 600 mm dia - - - -					
2 x 3 x 2.50					= 15.00 M.
(5) Painting on parapet wall					
2 x 2 x 0.400 x 3.60					= 5.76
2 x 4 x 3.6 x 0.600					= 17.28
2 x 4 x 0.400 x 0.600					= 1.92
H.P. Cement :- 1 ND (1000 mm dia)					24.96 M ²
(6) E/W in excavation for structure of foundation					
2 x 6.450 x 1.4 x 1.50					= 27.090
1 x 4.950 x 1.530 x 0.365					= 2.709
					29.799
				or,	29.800
(7) Providing PCC M15 in open foundation - - - -					
2 x 6.450 x 1.400 x 0.150					= 2.709
1 x 4.931 x 1.530 x 0.250					= 1.886
				or,	4.600
(8) Providing PCC M20 in sub-structure - - - -					
2 x 6.150 x 0.825 x 3.180					= 32.269
2 x 6.150 x 0.400 x 0.600					= 2.952
less for pipe					
2 x 0.7857 x (0.830) x 6.22					= 1.428
				or,	33.743 M ³
(9) Providing PCC N.P. - 3 Hollow Pipe (1000 mm dia)					33.740
3 x 2.50					= 7.50 M.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(10) Paving on parapet wall					
2x6.150x0.400					= 4.92
4x6.150x0.600					= 14.76
4x0.400x0.600					= 0.96
RCC Box					20.64
RCC Box Culvert					
(2x2.00)					

(11) E/W in excavation for					
structure for foundation					
1x6.00x3.50x0.650					= 13.650
2x3.50x1.30x1.00					= 16.380
4x3.32x3.42x1.00					= 81.680
					111.71 M ³

(12) Providing PCC M15 in					
open foundation					
1x6.00x2.50x0.100					= 1.50
4x3.32x2.42x0.200					= 6.42
					7.92 M ³

(13) Providing PCC M20 in					
Return wall					
etc - - -					
4x 2.92x2.017x0.2					= 4.71
4x 2.92x1.917x0.2					= 4.48
4x 2.92x1.817x0.2					= 4.24
4x 2.92x1.717x0.2					= 4.01
4x 2.92x1.617x0.2					= 3.78
4x 2.92x1.517x0.2					= 3.54
4x 2.92x1.417x0.2					= 3.31
4x 2.92x1.317x0.2					= 3.08
2x2.50x0.300x1.50					= 2.25
Continuation					
					33.40 M ³

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Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(14) Providing HYSD bar in foundation - - - etc - - -					
12 mm dia					
$1.5 \times 10 \times 10.000 \text{ M} = 150.000 \text{ M}$					
@ 0.889 kg/M					= 0.160 MT
(15) Providing RCC M20 in sub structure					
$4 \times 2.92 \times 0.78 \times 1.75$					= 16.24 M ³
(16) Providing weep hole - - -					36 NO
(17) Providing RCC M25 in sub structure - - - etc - - -					
$1 \times 6.00 \times 2.50 \times 0.250$					= 3.75
$2 \times 6.00 \times 2.00 \times 0.250$					= 6.00
$4 \times 6.00 \times 0.01$					= 0.27
					10.02 M ³
(18) Providing HYSD bar in sub structure - - - etc - - -					
12 mm dia					
$11.3 \times 10.044 \text{ M} = 1134.972 \text{ M}$					
@ 0.889 kg/M					= 1.01 MT
(19) Providing HYSD bar in super structure - - - etc - - -					
$4.3 \times 10 \times 9.95 \text{ M} = 427.975 \text{ M}$					
@ 0.889 kg/M					= 0.38 MT
(20) Providing RCC M30 in super structure - - - etc - - -					
$1 \times 2.50 \times 6.00 \times 0.250$					= 3.75
$2 \times 2.2 \times 0.22 \times 0.50$					= 0.63
					4.38 M ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(21) Providing Drainspoek - -					4.00
(22) Providing PCC M20 in Parapet - - etc - -					
					$2 \times 8.34 \times 0.60 \times 0.40 = 4.00 \text{ M}^3$
(23) Providing Filter Media					
					$2 \times 4.61 \times 0.60 \times 1.70 = 9.40$
					$4 \times 2.32 \times 0.60 \times 1.87 = 10.42$
					19.82 M ³
(24) Providing Back Filling					
					$2 \times 2.92 \times 5.2 \times 0.20 = 6.07$
					$2 \times 2.92 \times 4.61 \times 1.70 = 48.03$
Deduct Filter Media (-)					19.82
					34.28 M ³
(25) Paving on Parapet Wall					
					$2 \times 8.34 \times 0.40 = 6.67$
					$4 \times 8.34 \times 0.60 = 20.02$
					$4 \times 0.40 \times 0.60 = 0.96$
					27.65 M ²
(26) Dismantling of Existing structure - -					
(a) Plain Cement Concrete					
					$5 \times 1 \times 3.5 \times 1.14 \times 0.15 = 3.00 \text{ M}^3$
					$2 \times 1 \times 3.5 \times 1.154 \times 0.15 = 1.62$
					$1 \times 3.5 \times 3.38 \times 0.15 = 1.77$
					6.39 M ³
(b) Brick Masonry - - -					

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
5X2X4.2X0.825X2.5					= 86.62 M ³
2X2X6.2X0.825X3.00					= 61.38 M ³
1X8.00X0.825X3.00					= 39.60 M ³
					187.63 M ³

(c) Header pipe up to 600mm dia

$$5X7.5M = 37.50M$$

(d) Header pipe above 600mm to 900mm dia

$$2X5.00M = 10.00M$$

$$1X2X5.00M = 10.00M$$

$$20.00M$$

(27) Cleaning & grubbingRoad land - - - -

$$2X25X30MX3.50M = 5250.00M^2$$

$$2X25X30X3.50M = 5850.00M^2$$

$$2X10.00MX3.50M = 70.00M^2$$

$$11250.00M^2$$

or, p. 12 Haet

(28) Setting out

$$(a) \text{ Bench mark} = 2.00ND$$

$$(b) \text{ Reference pillars} = 6.00ND$$

(29) Box Culling - - - -

$$2X13X30MX0.525X1.00 = 40.95M^3$$

$$2X10X0.525X0.100 = 1.05$$

$$2X15X30X0.375X1.00 = 40.50$$

$$2X2X30X0.375X0.175 = 7.88$$

Continuation

$$90.38M^3$$

Sch. XLV-Form No. 134

Sch. XLV-Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L	B	D	
(30) Const of Embankment					
60% of Qty	90.3617				= 54.23 M ³
(31) Const of Embankment					
Qty as per Graph attached.					
(a) For 1000 m Leavel					
43.63% of Qty	3509.94 M ³				= 1530.95 M ³
(b) For 100 m Leavel					
56.36% of Qty	3509.94 M ³				= 1977.64 M ³
(32) Construction of Subgrade					
20X30X7.276X0.30M					= 1309.66 M ³
2X33X30X1.182X0.075					= 175.527
2X10X1.182X0.075					= 1.723
2X33X ³⁰ 1.355X0.2					= 549.648
2X10X1.355X0.20					= 5.552
2X20X30X.375X0.160					= 72.000
2X2X30X					
2X20X30X.375X0.100					= 45.00
2X20X30X.375X0.075					= 33.75
					2192.93(A)
30% of 2192.93	657.861 M ³				
(a) For 1000 M Leavel					→ 657.861 M ³
70% of 2192.93	1536.00 M ³				
(b) For 100 M Leavel					1536.00 M ³
(32) Construction of granular					
Sub base					
Gr. 5.13 for Pothole					
5X10.00X3.00					= 150.00 M ²
13X3.00X1.00					= 39.00
					189.00 M ²

Continuation
 $189.00 \times 10.00 M = 189 M^3$
 $20 \times 12.15 \times 10.00 M = 24.30 M^3$
 $43.20 M^3$

Scanned with CamScanner

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
<u>ABSTRACT OF COST</u>					
1) E/W an excavation for structure of foundation - - -					
Qty vide To M.B					
term No - 1 - P - 1 -		31.3	2	M ³	
1) 6 - P - 2 -		29.8	1	M ³	
1) 11 - P - 3 -		111.7	1	M ³	
		172.8	3	M ³	
@ Rs 269.32 / M ³ - - Rs 46547 =					
2) Providing PCC M 15 in open foundation - - -					
Qty vide To M.B					
term - 2 - P - 1 -		5.70	1	M ³	
1) 7 - P - 2 -		4.60	1	M ³	
1) 12 - P - 3 -		7.92	1	M ³	
		18.22	3	M ³	
@ Rs 4677.50 / M ³ - - Rs 85224 =					
3) Providing PCC M 20 in sub structure - - -					
Qty vide To M.B					
term - 3 - P - 1 -		30.30	1	M ³	
1) 8 - P - 2 -		33.74	1	M ³	
1) 12 - P - 4 -		16.24	1	M ³	
1) 21 - P - 5 -		80.28	1	M ³	
		154.56	3	M ³	
@ Rs 5425.45 / M ³ - - Rs 45725 =					

Continuation

Rs. 589030 = 00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
		B/F-B			589030=00
(4) Providing PCC N/P-3 pipe					
@ 600 mm dia					
15.00 M @ 996.04/M. - B					14941=00
(b) For 1000 mm dia					
7.50 M @ 3701.45/M. - B					27761=00
(5) Providing Painting on Pipe					
Pet work - - - - -					
Qty vide T.M.B					
Item - 5 P - 2 - 24.96 M ²					
" 10 - 3 - 20.64 M ²					
" 2 1/2 - 4 - 27.65 M ²					
73.25 M ²					
@ Rs 92.19/M ² - - B					7119=00
(6) Providing RCC M20 cm - - -					
Qty vide T.M.B P1-3 Item-13					
33.40 M ³					
@ Rs 523535/M ³ - B					174862=00
(7) Providing HYSD bar in fund.					
0.16 MT @ Rs 45590.99/MT - B					7295=00
(8) Providing weep hole - - -					
36 NO @ Rs 109.65/NO - B					3947=00
(9) Providing RCC M25 in subso					
10.02 M ³ @ Rs 6011.60/M ³ - A					60236=00
Continuation					885191=00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	B/F B				88591=00
(10) Providing HySD bar in					
Sub structure - - - etc - - -					
1.01 MT @ Rs 45731.98/MT B					46189=00
(11) Providing HySD bar in					
Super structure - - - etc - - -					
0.38 MT @ Rs 46781.78/MT B					17777=00
(12) Providing RCC N30 in					
Super structure - - - etc - - -					
4.38 M ³ @ Rs 6553.12/M ³ - A					28703=00
(13) Providing Drum Spall					
4 NO @ Rs 403.09/NO - - B					1612=00
(14) Providing Filter Media - - -					
19.82 M ³					
@ Rs 2826.09/M ³ - - B					57004=00
(15) Back Filling - - - - -					
34.28 M ³ @ Rs 702.46/M ³ - B					24087=00
(16) Dismantling of Existing					
structure - - - etc - - -					
(a) Plain Cement Concrete -					
6.39 M ³ @ Rs 494.74/M ³ - B					3097=00
(b) Brick Masonry					
187.63 M ³ @ Rs 231.07/M ³ - B					43487=00
c					
Continuation					
					1107147=00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	P/F P ₂				1107147=00
(C) Hume Pipe 600 mm					
37.50 M @ P ₂ 124.75/P ₂ - P ₂					6524=00
(D) Above 600 mm to 900 mm					
20.00 M @ P ₂ 236 34/RN - P ₂					4727=00
(17) Setting Out					
(a) Benchmark					
2 NO @ P ₂ 3927 64/NO - P ₂					7522=00
(b) Reference Pillars					
6 NO @ P ₂ 177 5.85/NO - P ₂					10673=00
(18) Clearing & grubbing					
1.12 Hect					
@ P ₂ 51193.76/Hect - P ₂					57270=00
(19) Box Culling					
90.35 M ³ @ P ₂ 74.16/M ³ - P ₂					6703=00
(20) Const of Embankment					
24.23 M ³ @ P ₂ 26.11/M ³ - P ₂					1416=00
(21) Const of Embankment					
(a) For 1000 m Level					
1530.95 M ³					
@ P ₂ 174.94/M ³ - P ₂					267824=00
(b) For 100 m Level					
1977.64 M ³ @ P ₂ 131.03/M ³ - P ₂					259130=00
Continuation P ₂					1729299=00

