

Agency. Ram Nandan Singh

Schedule XLV - Total No. 134

for the year

BIHAR P.W.D.

EE R.W.D. WORK - Arrangabad Division

AE. Dec. 3rd Division

MASSAMOUNT 1000

11/6/2747

Certified That This M.D. Contains (100)
Pages By Printing Machine And Issued
To Sri... Babar Ram ... A.E. R.W.D.
Work Sub-Div. ... Deo

10/7/20

Executive Engineer
Rural Works Division, in
Work Division, Aurangabad

10/7/20

Schedule KLV - Form No. 134.

E.E. Abad DIVISION.

A.E. Deo DIVISION.

MEASUREMENT BOOK.

231112

Sri Babar Ram A.E. Deo.

Date of the entry

Use of the entry

निर्माण कार्य के लिए है, नया ।

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.	
<u>1st ON A/C BILL</u>					
Name of Work: Const of Road from Deo Sar Kot PMGSY Road to Dhan Teer (M.M.G.S.Y.-SC)					
Agency: Sri Ram Nandan Singh					
Agreement No: -					
Date of Work Starts -					
Date of Completion - (As per Agreement)					

(1) Cleaning & Rubbing
Road Land - - - -

$$2 \times 26 \times 30 \text{ M} \times 3.5 \text{ M} = 5460.00 \text{ M}^2$$

$$2 \times 27 \times 30 \text{ M} \times 3.5 \text{ M} = 5670.00 \text{ M}^2$$

$$2 \times 10 \text{ M} \times 3.50 \text{ M} = 70.00 \text{ M}^2$$

$$11200.00 \text{ M}^2$$

or, 1.12 Hect

(2) Providing & fixing in for
metary road with Logo - 4 NO
culvert

a. 1000 mm dia - 3 NO One Row

b. 600 mm dia - 3 NO One Row

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
1) E/WORK in excavation for structure of foundation.					
a. For 1000 mm dia.					
3X2X6.45X1.4X1.5					81.27 $= 55.6243$
3X1X4.85X1.53X0.365					$= 8.12$
For 600 mm dia.					
3X2X3.9X1.15X1.5					$= 40.36$
3X1X5.35X1.13X0.365					$= 6.62$
					118.78
					136.3743
Providing PCC M15 in open foundation... etc - -					
For 1000 mm dia.					
3X2X6.45X1.4X0.15					$= 8.127$
3X1X4.931X1.53X0.250					5.658
For 600 mm dia.					
3X2X3.9X1.15X0.150					$= 4.036$
3X1X5.311X1.13X0.250					$= 4.501$
					22.32243
Providing PCC M20 in sub structure - - etc - -					
For 1000 mm dia.					
3X2X6.15X0.925X3.18					$= 96.81$
for pipe					
3X2X0.785X					
					$(1.23)^2 \times 0.622 = 4.44$
For 600 mm dia.					
3X2X3.6X0.7X2.78					$= 42.03$
for pipe					
3X2X0.785X					$(1.83)^2$
					$\times 0.623 = 1.72$
					132.6843

Continuation

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

(6) Providing Leaping

RCC NP-3 Pipe etc.

(6) For 1000 mm dia

3 x 3 x 2.5

= 22.5 M

(6) For 600 mm dia

3 x 3 x 2.5

= 22.50 M

(7) Construction of

Embankment etc.

Chainage

Area

Volume

Full
M²Fill
M³

0

4.336

50

4.861

229.940

100

5.070

248.280

150

5.128

254.940

200

4.891

250.470

250

3.884

219.380

300

3.787

191.790

350

3.726

187.840

400

3.344

201.760

450

3.884

205.700

500

2.749

190.830

550

3.570

182.970

600

4.381

199.020

650

4.123

212.850

700

5.664

244.690

750

5.187

270.530

800

4.713

246.750

850

5.689

260.060

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
900		5.586			281.880
950		4.681			246.680
1000		5.399			242.000
1050		4.971			249.240
1100		4.951			248.050
1150		4.710			241.540
1200		4.978			242.210
1250		4.490			236.700
1300		3.998			212.210
1350		3.822			196.250
1400		4.293			203.630
1450		4.281			214.360
1500		4.276			213.910

1550	3.996	206.780
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1600	4.377	209.340
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1		7272.600
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M³

Allowed 11.376% of

7272.60 M ³	=	827.33 M ³
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Sub -	827.32
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(G) Construction sub grad

and Earthen shoulder--

a. For new Const B.T Road--

26X30X7.276X0.300	=	1702.584 M ³
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27X30X7.276X0.300	=	1768.068
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1X10X7.276X0.300	=	21.828
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2X26X30X1.182X0.075	=	138.294
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2X27X30X1.182X0.075	=	143.613
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2X1X10X1.182X0.075	=	1.773
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Continuation

3776.092

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
			B/F		3776.092
2X26X30X1.388X0.2					= 433.056
2X27X30X1.388X0.2					= 449.712
2X1X10X1.388X0.2					= 5.552
					4661.412M ³
					4664.36M ³

(10) Const of granular sub

base - - - - - etc - - - - -

$$26X30X4.050X0.200 = 631.80M^3$$

$$22X30X4.050X0.200 = 656.10$$

$$1X10X4.050X0.200 = 8.10$$

$$\text{Curb } 2X3X24X0.9X0.2 = 25.92M^3$$

$$1321.92M^3$$

(11) Providing spreading

+ compacting W.B.M gr-3

$$26X30X3.75X0.075 = 219.375M^3$$

$$22X30X3.75X0.075 = 227.8125$$

$$1X10X3.75X0.075 = 2.8125$$

$$\text{Curb } 2X3X22.222X0.9X0.075 = 9.00$$

$$459.00M^3$$

(12) Dismantling of existing structure - - - - -

(a) Plain cement concrete

$$4X3.5X1.14X0.15 = 2.394M^3$$

$$2X1X3.5X1.54X0.15 = 1.617$$

$$1X3.5X3.38X0.15 = 1.774$$

$$5.785$$

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(B) Brick masonry					
$4 \times 2 \times 4 \times 2 \times 0.825 \times 2.5 = 69.3 \text{ M}^3$					
$2 \times 2 \times 6 \times 2 \times 0.825 \times 3 = 61.38$					
$1 \times 2 \times 8 \times 0.825 \times 3.00 = 39.60$					
					170.28 M^3

(C) Hum pipe up to 600 mm

(i) $4 \times 7.50 = 30.00 \text{ M}$

(ii) Hum pipe above 600 mm to 900 mm dia

$1 \times 2 \times 5 = 10.00 \text{ M}$

$1 \times 2 \times 5 = 10.00 \text{ M}$
 20.00 M

~~Don't~~

~~Don't~~

~~22/1/21~~

~~23/1/21~~

~~J. Eder~~

~~AC~~

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

ABSTRACT OF COST(1) Cleaning & GrubbingRoad Land ... etc - -Qty vide T. N. B P1-11.12 Hect@ Rs 51133.76/Hect - Rs 57270=00(2) Providing & fixingCitizen Logo board. .4 NO @ Rs 9185.82/NO - Rs 36743=00(3) EW an excavation forstructure of foundation136.37 M³ @ Rs 269.32/M³ = Rs 36727=00(4) Providing PCC M 15 inOpen foundation ... etc - -Qty vide T. N. B P1-222.322 M³@ Rs 4549.81/M³ 101561=00(5) Providing PCC M 20in sub structure - -132.68 M³@ Rs 5292.29/M³ - Rs 728717(6) Providing PCC NP-3for 1000 mtr dia

(a)

22.4 M @ Rs 3638.28/M = Rs 81861=00

Continuation

Rs 1042879=00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
	B/E	A			1042879=00
(6) For 600 mm dia.					
22.614					
@ 920.45/M	-	A			21840=00
(7) Construction of Embankment					
- ment - - - etc - - -					
Qty vide T. N. B. P. I - 4					
823.32143					
@ 131.03/M ³	-	A			108404=00
(8) Providing sub grade & cement binder					
Qty vide T. N. B. P. I - 5					
13776.4664.36143					
@ 176.58/M ³					823633=00
(9) Construction of granular sub base - - - etc - - -					
Qty vide T. N. B. P. I - 5					
1321.92143					
@ 2227.77/M ³	-	A			2944934=00
(10) Providing spreading & compacting N. B. 14 gr - 3					
Qty vide T. N. B. P. I - 5					
489.00143					
@ 3122.64/M ³	-	A			1433296=00
Continuation					R ₅ 6374986=00

Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
		B/A	A		6374986=00
(1) Dismantling of Existing structure:-					
a) Qty vide T.M.B Pl-2					
i) Plain Cement Concrete					
5.785 M ³					
@ Rs 484.74/M ³ - - A					2804=00
b) Brick masonry					
130.20 M ³					
@ Rs 231.77/M ³ - - A					39466=00
c) Hume Pipe up to 600 mm dia					
30.00 M @ Rs 174.78/M - - A					5243=00
Above 600 mm to 900 mm dia					
20.00 M @ Rs 236.34/M - - A					4727=00
					A 6427226=00
Less 10% below					
As per Agreement (-)					A 642723=00
					A 5784503=00
P. N. Cell 23/1/21 J. E. deo					
[Signature] 23.1.21 A. C.					
C & P [Signature] 27/1/21					

Continuation.