

MAJITPUR ROAD TO VIKASH
NAUAR.

Schedule XLV-Form No. 134

Executive Engineer

RWD (W) Division

Arwal

DIVISION

15 AR P1

SUB-DIVISION

836

Measurement Book

(These four lines should be repeated at the commencement of the measurement relating to each work)

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(4) Excavation for Roadway					
In soil using d/c					
$2 \times 10 \times 0.91$	$0.33 \times$	$0.175 =$			2.15
	2				
$2 \times 10 \times$	$\frac{0.33 + 0.375}{2}$	$\times 0.175 =$			1.23
	2				
$2 \times 10 \times$	$\frac{0.375 + 0.26}{2}$	$\times 0.175 =$			1.11
					4.49 m ³
					Unit 1 - 3.94 m ³
(5) Construction at					
embankment with approved					
material d/c					
60% of form excavated					
material at Horn No - 04					
page No - 02 at TMB					
$4.49 \times 60\%$					$= 2.69 \text{ m}^3$
(6) Construction at shoulder					
of earthen shoulder with					
approved material d/c					
$5 \times 30 \times$	$\frac{4 + 4.5}{2} \times$	$0.40 =$			255.0
	2				
$6 \times 30 \times$	$\frac{4.80 + 4.0}{2}$	$\times 0.40 =$			316.80
$1 \times 10 \times$	$\frac{4.50 + 2.10}{2}$	$\times 0.40 =$			12.60
$3 \times 30 \times$	$\frac{4.04 + 4.50}{2}$	$\times 0.45 =$			172.0
					756.40 m ³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(7) PIV and laying a				Rec	
PIPE duct 300 MM					
der d.					
		3x4x2.50			= 30.0 RM
		Amun			15.8.23
		15.8.23			AE
		J.E			
Date of measurement				22.8.23	
(1) Construction of G.B					
by providing well graded					
material d.d.					
In widening portion					
		$2 \times 10 \times \frac{0.9 + 0.33}{2} \times 0.1$			= 1.23
		$2 \times 10 \times \frac{0.33 + 0.375}{2} \times 0.1$			= 0.71
		$2 \times 10 \times \frac{0.375 + 0.25}{2} \times 0.1$			= 0.64
In Full width					
		$1 \times 10 \times \frac{4.80 + 3.65}{2} \times 0.1$			= 4.23
		$1 \times 10 \times \frac{3.65 + 3.75}{2} \times 0.1$			= 3.70
		$1 \times 15 \times \frac{3.75 + 3.50}{2} \times 0.1$			= 5.44
		$1 \times 10 \times \frac{3.50 + 3.57}{2} \times 0.1$			= 3.54

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 15.0	x 3.75	x	0.1	=	5.63
1 x 10.0	x 3.90 + 3.80	x 0.1	=	3.85	
		2			
1 x 25 x	3.75 x	0.1	=	9.38	
1 x 10 x	3.75 + 4.20	x 0.1	=	3.98	
		2			
1 x 12 x	4.20 + 3.75	x 0.1	=	4.77	
		2			
1 x 16 x	3.75 + 3.50 + 3.45	x 0.1	=	5.71	
		3			
1 x 11 x	3.45 + 3.70	x 0.1	=	3.94	
		2			
1 x 11 x	3.70 + 3.75	x 0.1	=	4.10	
		2			
1 x 15 x	3.75 + 3.65	x 0.1	=	5.55	
		2			
1 x 17 x	3.65 + 3.75	x 0.1	=	6.29	
		2			
1 x 14 x	3.75 + 3.65	x 0.1	=	5.18	
		2			
1 x 19 x	3.65 + 3.90	x 0.1	=	7.17	
		2			
1 x 15 x	3.90 + 3.75	x 0.1	=	5.70	
		2			
1 x 21 x	3.70 + 3.85	x 0.1	=	7.93	
		2			
1 x 19 x	3.85 + 3.75	x 0.1	=	7.22	
		2			
1 x 16 x	3.75 + 3.85	x 0.1	=	6.08	
		2			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 21 x	3.85	+ 4.0	x 0.1	=	8.24
		2			
1 x 22 x	4.0	+ 3.1	x 0.1	=	7.81
		2			
1 x 16 x	3.1	+ 3.20	x 0.1	=	5.44
		2			
1 x 29 x	3.70	+ 4.0	x 0.1	=	11.46
		2			
1 x 6 x	4.20	+ 3.20	x 0.1	=	2.22
		2			
1 x 5 x	3.20	+ 2.1	x 0.1	=	1.33
		2			
1 x 8 x	2.14	+ 2.50	x 0.1	=	1.84
		2			
1 x 12 x	2.50	+ 2.95	x 0.1	=	3.27
		2			
1 x 13 x	2.95	+ 3.70	x 0.1	=	4.30
		2			
1 x 13 x	3.70	+ 3.65	x 0.1	=	4.80
		2			
1 x 20	x 3.65	+ 3.80 + 4.0	x 0.1	=	7.63
		3			
					170.31 m ³
					Limit - 156.44 m ³
					Anting a 2/8 m
					3.15
Date of measurement					2/9/23

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Date of Measurement -				02.2.23	
(1) Providing, laying, spreading & compacting stone or aggregate of specific size WBM III under					
in widening position -					
2 x 10 x 0.9 + 0.33 x 0.075	2			=	0.92
2 x 10 x 0.33 + 0.375 x 0.075	2			=	0.53
2 x 10 x 0.375 + 0.26 x 0.075	2			=	0.48
in full width -					

1 x 10.0 x 4.80 + 3.65 x 0.075	2			=	3.17
1 x 10.0 x 3.65 + 3.75 x 0.075	2			=	2.78
1 x 15.0 x 3.75 + 3.80 x 0.075	2			=	4.08
1 x 10.0 x 3.50 + 3.57 x 0.075	2			=	2.65
1 x 15.0 x 3.75 x 0.075				=	4.22
1 x 10.0 x 3.80 + 3.80 x 0.075	2			=	2.88
1 x 25.0 x 3.75 x 0.075				=	7.03
1 x 10.0 x 3.75 + 4.20 x 0.075	2			=	2.98
1 x 12.0 x 4.20 + 3.75 x 0.075	2			=	3.58

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 16 x	3.75 +	3.50 +	3.45 x	0.075	= 4.28
		3			
1 x 11 x	3.45 +	3.70	x 0.075		= 2.95
		2			
1 x 11 x	3.70 +	3.75	x 0.075		= 3.07
		2			
1 x 30 x	3.75 +	3.65	x 0.075		= 8.33
		2			
1 x 16 x	3.75 +	3.65	x 0.075		= 4.44
		2			
1 x 19 x	3.65 +	3.90	x 0.075		= 5.38
		2			
1 x 15 x	3.90 +	3.70	x 0.075		= 4.28
		2			
1 x 21 x	3.70 +	3.85	x 0.075		= 5.95
		2			
1 x 19 x	3.85 +	3.75	x 0.075		= 5.42
		2			
1 x 16 x	3.85 +	3.75	x 0.075		= 4.56
		2			
1 x 21 x	3.85 +	4.0	x 0.075		= 6.18
		2			
1 x 22 x	4.0 +	3.1	x 0.075		= 5.86
		2			
1 x 16 x	3.14 +	3.7	x 0.075		= 4.08
		2			
1 x 29 x	3.70 +	4.20	x 0.075		= 8.59
		2			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 6 x	4.20 +	3.20	x 0.075 =		1.67
		2			
1 x 5 x	3.20 +	2.1	x 0.075 =		0.99
1 x 8 x	2.1 + 2.50		x 0.075 =		1.38
		2			
1 x 12 x	2.50 + 2.95		x 0.075 =		2.45
		2			
1 x 13 x	2.95 + 3.70		x 0.075 =		3.24
		2			
1 x 13 x	3.70 + 3.65		x 0.075 =		3.58
		2			
1 x 20 x	3.65 + 3.8 + 4.0		x 0.075 =		5.73
		3			
					127.71 m ²
					Limit - 117.33 m ²
					Area
					3.6
Date of measurement - 15.9.23					
(1) Construction ab un-					
Reinforced Expansion and					
Construction Joint on M.					
Plain cement thickness as					
per design doc					
1 x 10 x	4.80 + 3.65		x 0.16 =		6.76
		2			

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 10 x 3-	65+375	x	0.16	=	5.92
	2				
1 x 15 x 3.75+3.50		x	0.16	=	8.70
	2				
1 x 10.0 x	3.50+3.55	x	0.16	=	5.64
	2				
1 x 15.0 x	3.75	x	0.16	=	9.0
1 x 10.0 x	3.90+3.80	x	0.16	=	6.16
	2				
1 x 25 x	3.75	x	0.16	=	15.0
1 x 10.0 x	3.75+4.10	x	0.16	=	6.36
	2				
1 x 12.0 x	4.20+3.75	x	0.16	=	7.63
	2				
1 x 16.0 x	3.75+3.50+3.45	x	0.16	=	9.13
	3				
1 x 11.0 x	3.45+3.70	x	0.16	=	6.29
	2				
1 x 11.0 x	3.70+2.75	x	0.16	=	6.56
	2				
1 x 30.0 x	3.75+3.65	x	0.16	=	17.76
	2				
1 x 16.0 x	3.75+3.65	x	0.16	=	9.47
	2				
1 x 19.0 x	3.65+3.90	x	0.16	=	11.48
	2				
1 x 15.0 x	3.90+3.70	x	0.16	=	9.12
	2				
1 x 21.0 x	3.70+3.85	x	0.16	=	12.68
	2				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 x 19.0 x 3.85 + 3.75 x 0.16 =	2				11.55
1 x 16.0 x 3.85 + 3.75 x 0.16 =					9.73
1 x 21.0 x 3.85 + 4.0 x 0.16 =					13.19
1 x 22.0 x 4.0 + 3.1 x 0.16 =					12.50 12.150
1 x 16.0 x 3.1 + 3.70 x 0.16 =					8.70
1 x 24.0 x 3.70 + 4.20 x 0.16 =					18.33

1 x 6 x 4.20 + 3.20 x 0.16 =					3.55
1 x 5 x 3.20 + 2.10 x 0.16 =					2.12
1 x 8 x 2.1 + 2.50 x 0.16 =					2.94
1 x 12 x 2.50 + 2.95 x 0.16 =					5.23
1 x 13 x 2.95 + 3.70 x 0.16 =					6.92
1 x 13 x 3.70 + 3.65 x 0.16 =					7.67
1 x 20 x 3.65 + 3.80 + 4.0 x 0.16 =					12.21
4 mtr - 265.0 m					268.27
Area 5.523					5.523
J.E					

Continuation

Continuation

Abstract ab cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1)) providing & fixing ab					
Working Bench mark					
do do					
	Qty	vide	TMB		
Page No - 01	=	01 Nos.			
@ ₹ 4284.87 / nos				₹	4285.0
(2)) providing & fixing ab					
Working Bench mark					
do do					
	Qty	vide	TMB		
Page No - 01	=	01 Nos			
@ ₹ 1983.70 / Nos				₹	1984.0
(3)) clearing & grubbing					
Road land including d.d					
	Qty	vide	TMB		
Page No - 01	=	0.29 Hect			
@ ₹ 72697.86 / Hect				₹	21082.0
(4)) Excavation for roadway					
in soil using do do					
	Qty	vide	TMB		
Page No - 02	=	3.94 m ³			
@ ₹ 103.85 / m ³				₹	409.0
(5)) construction ab					
embankment with					
approved material do do					
	Qty	vide	TMB		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
page No—	02	=	2.69	m ³	
@ ₹ 57.29 / m ³				₹	154.0
(6)) Construction ab shoulder					
of earthen shoulder with					
approved material d/d					
	Qty	vide	Tmb		
page No—	02	=	756.40	m ³	
@ ₹ 262.04 / m ³				₹	198207.0
(7)) Plv and laying a					
rec pipe duct 300 mm					
d/d					
	Qty	vide	Tmb		
page No—	03	=	30.0	RM	
@ ₹ 1002.0				₹	30060.0
(8)) Construction at VSB					
by providing well graded					
material d/d					
	Qty	vide	Tmb		
page No—	05	=	156.44	m ³	
@ ₹ 262.04 / m ³				₹	410040.0
(9)) providing, Laying					
spreading & compacting					
stone aggregate subm III					
d/d					
	Qty	vide	Tmb		
Page No—	8	=	117.33	m ³	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ ₹ 4186.77/m ³					491233.0
(101) Construction at un-					
reinforced Expansion &					
Construction Joint only					
de d					
Qty vide TMB					
Page No — 10					265.0m ³
@ ₹ 7541.95/m ³					1998617.0
(111) Rec mis grade 1010-					
meter d d					
Qty vide TMB					
Page No — 11					02 Nos
@ ₹ 2656.42/ Nos					5313.0
(121) Rec mis grade 1010-					
meter d d					
Qty vide TMB					
Page No — 11					02 Nos
@ ₹ 765.11/No					1530.0
(131) pl & fixing at					
typical mm 454 Informalory					
sign d d					
Qty vide TMB					
Page No — 11					04 Nos
@ ₹ 10936.25					43745.0
(141)					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L	B.	D.	
(14) providing and laying applied Thermoblastic compound duct					
	Qty	vide	TMB		
Page No. 11	=	86.60 m ²			
@ ₹ 929.98/m ²				₹	80536-0
(15) Rec MIS grade Boundary pin or Ld.					
	Qty	vide	TMB		
Page No. 11	=	16 nos			
@ ₹ 641.88/nos				₹	10270-0
				₹	3297465-0

[illegible]

Continuation