

EDR-2021-22

M/W - Basgarha Parbatta To Jothgavind
Schedule XLV Form N.134. M.V. Bridge.

P.W.D.

Nauqachhiya

DIVISION

Ismilepur

SUB DIVISION

MEASUREMENT BOOK

प्रमाणित किया जाता है कि मापी पुस्तकें ७१९ में मशीन मुद्रित कुल १००० (एक सौ) पेंज अंकित हैं। यह मापी पुस्तिका श्री नरेंद्र कुमार सहायक अभियन्ता कार्य उत्तर प्रमण्डल इस्माईलपुर के नाम FDR/ 2021-22 योजनान्तर्गत Emergent repair & Restoration of Rural roads affected by heavy rains/ flood के कार्य हेतु निर्गम किया जाता है।

R. W. D.
Executive Engineer
R. W. D., W. D. Naugachia

2/11/2021

Schedule XLV Form No. 134

.....DIVISION

.....SUB-DIVISION

MEASUREMENT BOOK 7/9

Name of Office.....

Date of first entry.....

Date of last entry.....

N/W - Temporary Restoration
work in Bargaria
Parbatta to Jathgorind
H.L Bridge.

Project - BR-06R-49A

Block - Ismailpur.

Agency -

Authority - Executive Engineer

R.W.D. work division
Maugachhiya.

Record Entry

Date - 08/11/2021

- ① Local Sand Filling
at Pin drawing &
technical specification
in slope of Approach

— do —

Abutment A (LHS)

$$1 \times 37.0 \times \frac{2.0 + 1.0}{2} \times 5.0 = 277.50 \text{ m}^3$$

Abutment A (RHS)

$$1 \times 26.0 \times \frac{2.0 + 1.0}{2} \times 5.0 = 195.0 \text{ m}^3$$

(Continuation)

472.50 m³

Sch. XLV- Form No. 134

B.F = 472.50 m³

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
Abutment A2 (L.H.S)					
4 X 30 X		$\frac{2.0+1.0}{2}$	X	5.0 =	900.0 m ³
1 X 27.50 X		$\frac{2.0+1.0}{2}$	X	5.0 =	206.25 m ³
Total =					
Abutment A2 (R.H.S)					
1 X 30.0 X		$\frac{2.0+1.0}{2}$	X	5.0 =	225.0 m ³
1 X 30.0 X		$\frac{2.0+1.0}{2}$	X	5.0 =	225.0 m ³
Total = 2028.75 m ³					
<u>Uingl</u> 08/11/21 J.E					
<u>Q. No. 1</u> 08/11/21 AF					

Record Entry.				
Date - 13/11/2021				
① Providing, laying & filling				
900 bags of size 1m x				
0.70 m weight of				
bag 120 gm. stacking				
and placing in cration				
of size 1.8 m x 1.8 m x 0.5 m				
(18 nos geo bags per				
cratation) — 25 —				
Abutment A1 (L.H.S) — 13 nos				
Abutment A1 (R.H.S) — 12 nos				
Total - 25 nos				

(Continuation)

Uingl
13/11/21
J.E

Q. No. 2
13/11/21
AF

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
Record Entry.					
Date - 13/12/2021					
① Providing laying & filling geo bags of size 1m x 0.70m (Type A 300 GSM nonwoven)					
— abt —					
Abutment A-2 (LHS)					
$1 \times 12.0 \times \frac{0 + 12.0}{2} = 72 \text{ m}^2$					
$= 133 \text{ geobag} \times 1 \text{ layer} = 133 \text{ Nos}$					
$1 \times 10.0 \times \frac{12.50 + 11.0}{2} = 117.50 \text{ m}^2$					
$= 218 \text{ geobag} \times 1 \text{ layer} = 218 \text{ Nos}$					
$1 \times 10.0 \times \frac{11.0 + 10.50}{2} = 107.50 \text{ m}^2$					
$= 199 \text{ geobag} \times 1 \text{ layer} = 199 \text{ Nos}$					
$1 \times 10.0 \times \frac{10.50 + 10.0}{2} = 102.50 \text{ m}^2$					
$= 190 \text{ geobag} \times 1 \text{ layer} = 190 \text{ Nos}$					
$1 \times 10.0 \times \frac{8.60 + 8.40}{2} = 85.0 \text{ m}^2$					
$157 \text{ geobag} \times 1 \text{ layer} = 157 \text{ Nos}$					
$1 \times 4.50 \times \frac{8.40 + 8.0}{2} = 36.90 \text{ m}^2$					
$68 \text{ geobag} \times 3 \text{ layer} = 204 \text{ Nos}$					
$1 \times 4.0 \times \frac{8.0 + 3.0}{2} = 22.0 \text{ m}^2$					
$41 \text{ geobag} \times 3 \text{ layer} = 123 \text{ Nos}$					
Abutment A-2 (RHS)					
$1 \times 12.0 \times \frac{0 + 13.0}{2} = 78.0 \text{ m}^2$					
$144 \text{ geobag} \times 1 \text{ layer} = 144 \text{ Nos}$					

(Continuation)

1368 Nos

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
1x	10x	12.0			$= 120.0 m^2$
222	Geo bag	x 1 layer			= 222 Nos
1x 10x		$\frac{12.0 + 11.50}{2}$			$= 117.50 m^2$
218	Geo bag	x 1 layer			= 218 Nos
1x 10x		$\frac{11.50 + 11.00}{2}$			$= 112.50 m^2$
208	Geo bag	x 1 layer			= 208 Nos
1x 10x		$\frac{11.0 + 10.50}{2}$			$= 107.50 m^2$
199	Geo bag	x 1 layer			= 199 Nos
1x 10x		$\frac{10.50 + 9.0}{2}$			$= 97.50 m^2$
181	Geo bag	x 1 layer			= 181 Nos
1x 10x		$\frac{9.0 + 8.60}{2}$			$= 88.0 m^2$
163	Geo bag	x 1 layer			= 163 Nos
1x 10x		$\frac{8.60 + 8.30}{2}$			$= 84.50 m^2$
156	Geo bag	x 1 layer			= 156 Nos
1x 10x		$\frac{8.30 + 7.20}{2}$			$= 77.50 m^2$
144	Geo bag	x 1 layer			= 144 Nos
1x 10x		$\frac{7.20 + 6.80}{2}$			$= 70.0 m^2$
130	Geo bag	x 1 layer			= 130 Nos
1x 10x		$\frac{6.80 + 6.50}{2}$			$= 66.50 m^2$
123	Geo bag	x 1 layer			= 123 Nos
1x 10x		$\frac{6.50 + 6.40}{2}$			$= 64.50 m^2$
119	Geo bag	x 1 layer			= 119 Nos
1x 10x		$\frac{6.40 + 6.0}{2}$			$= 62.0 m^2$
115	Geo bag	x 1 layer			= 115 Nos
					3346 Nos

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
1x10 x 6.0 =			60.0m ²		112 Nos
111 Weobag x 1 layer =					111 Nos
1x9x $\frac{6.0+7.0}{2}$ =			58.50m ²		112 Nos
108 Weobag x 3 layer =					324 Nos
Abutment A-1 (LHS)					
1x11.0x $\frac{0+12.0}{2}$ =			66.0m ²		
122 Weobag x 1 layer =					122 Nos
1x10x 11.0 =			110.0m ²		
204 Weobag x 1 layer =					204 Nos
1x10x $\frac{11.0+8.50}{2}$ =			97.50m ²		
181 Weobag x 1 layer =					181 Nos
1x8x $\frac{8.50+8.0}{2}$ =			66.0m ²		
122 Weobag x 3 layer =					366 Nos
Abutment A-1 RHS					
1x11x $\frac{0+12.0}{2}$ =			66.0m ²		
122 Weobag x 3 layer =					366 Nos
1x10x $\frac{11.0+10.50}{2}$ =			107.50m ²		
199 Weobag x 1 layer =					199 Nos
1x10x $\frac{10.50+8.0}{2}$ =			92.50m ²		
171 Weobag x 1 layer =					171 Nos
1x10x $\frac{8.0+7.0}{2}$ =			75.0m ²		
139 Weobag x 3 layer =					417 Nos
1x9x 7.0 =			63.0m ²		
117 Weobag x 1 layer =					117 Nos
					5924 Nos

Sch. XLV-Form No. 134					Contents or area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
Approach Abutment A1 (LHS)					
4x 30.0 x 0.70 = 84.0m ²					
155 hro bag x 2 layer = 310 Nos					
1x 27.50 x 0.70 = 19.25m ²					
36 hro bag x 2 layer = 72 Nos					
Capping in (A2 LHS)					
4x 30.0 x 0.70 = 84.0m ²					
155 hro bag x 1 layer = 155 Nos					
1x 27.50 x 0.70 = 19.25m ²					
36 hro bag x 1 layer = 36 Nos					
Capping in (A2 RHS)					
1x 30 x 0.70 = 21.0 m ²					
39 hro bag x 1 layer = 39 Nos					
1x 26.0 x 0.70 = 18.20m ²					
34 hro bag x 1 layer = 34 Nos					
Capping (A1 LHS)					
1x 37.50 x 0.70 = 26.25m ²					
49 hro bag x 1 layer = 49 Nos					
Capping (A1 RHS)					
1x 26.0 x 0.70 = 18.20m ²					
34 hro bag x 1 layer = 34 Nos					
Total qty = 6653 Nos					
Add lap overall 10% = 665 Nos					
Net qty = 7318 Nos					
13/12/21 T.E					
13/12/21 A.E					

(Continuation)

 R. W. D. W. D. Naugachia
 Executive Engineer

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
	Final Bill				
n/w -	Temporary Restoration				
	work in Badgarha				
	Parbatta to Jorngorind				
	H.L Bridge.				
	Pkg No - BR-06R-49A				
Block -	Ismilepur.				
Agency -					
Authority -	Executive Engineer				
	Road & work division				
	Nangachhiga.				
Date of Entry -	18/12/2021				

ABSTRACT OF COST

①

Local sand filling

as per drawing &

technical spec'n.

in slope of approach

— etc —

same qty vide Tm B

9 km - 1/2 Page - 1/2

 $2028.75 \text{ m}^3 @ 450.22 / \text{m}^3 - Rs 913384 = 00$

②

Providing, laying

& filling geo bags

of size 1m x 0.7m

A weight of bag

(Continuation)

Rs 913384 = P

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
A20 gm with stacky					
and placing in					
location of size					
1.8m x 1.8m x 0.5m					
(18 nos geo bags)					
Perurbation - do					
same qty wide T.M.B					
9 tem - 12 Page - 2					
25 Nos @ 4460.17 / Nos					Rs 111504=V
③ Providing, laying & filling geo bags of size 1m x 0.30m with local sand including filling & filling - do same qty wide T.M.B 9 tem - 12 Page - 3/6					
7318 Nos @ 171.23 / Nos					Rs 1253061=V
					Rs 2277949=00
Add U.S.T @ 12% -					273354=V
Add U.C.S.S @ 1% -					22779=V
Add S.F @ 10% -					29675=V
					Rs 2603757=00
18/12/2021					
18/12/21					

(Continuation)

Executive Engineer
R. W. D. W. D. Naugachia