

FDR-2020-21

N/W - LO21-PMUSY Road Shahabad To Athgama

Schedule XLV Form N.134.

P.W.D.

Nargachhiya

DIVISION

Narayanpur

SUB DIVISION

MEASUREMENT BOOK-584

प्रमाणित किया जाता है कि
मापी पुस्त संख्या 584 में मशीन
मुद्रित कुल 100 (एक सौ) पेज
अंकित हैं। यह मापी पुस्त श्री
नरेन्द्र कुमार सहायक अभियंता
कार्य अवर प्रमण्डल नारायणपुर
के नाम FDR योजनाओं के कार्य
हेतु निर्गत किया जाता है।

AP 12/3/2020
Executive Engineer
R. W. D., W. D. Naur & Co
12/3/2020

Schedule XLV Form No. 134

..... DIVISION

..... SUB-DIVISION

MEASUREMENT BOOK

Name of Office.....

Date of first entry.....

Date of last entry.....

Name of work - 1

Situation of work -

Agency by which work is executed -

Date of measurement.

No. and date of agreement

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

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

Name of work - 1021 PM U.S.Y Road
Shahabad To Athgama.

Block - Narayanpur

Agency - Departmental

Authority - Executive Engineer

R.W.D. Work Division

Naugachhria.

Record Entry.

Date - 18/07/2020

① Providing 62mm to 75mm

dia Bamboo pile to

size and making shoes

and driving etc do

ch - 3200 m to 3500m

300 m @ 0.450/c = 667 Nos

Length of one bamboo pile = 4.50m

So. Total length of

Bamboo = 4.50×667 Nos

= 3001.50 m

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Particulars	Details of actual measurement				Contents or area
	No.	L	B	D.	
② Fitting & fixing of 62mm dia 75 mm dia bamboo runners in position at every vertical piles with 150 m long nails — do —					
An two layers					
2X 300 m				600 m	

- ③ Providing New bag and N.C with labour for filling item & bag with local sand — do —

CH- 3200 m to 3300 m
(R.H.S)

$$1x \ 20x \ \frac{4.0+2.0}{2} \times 3.0 = 180.0m^3$$

$$1x \ 20x \ \frac{4.0+2.0}{2} \times 3.0 = 180.0m^3$$

$$1x \ 30x \ \frac{4.0+2.0}{2} \times 4.0 = 360.0m^3$$

$$720.0m^3$$

or, 720 N.C

- ④ Providing sand bag and with sand and labour including cartage — do —

CH- 3200 to 3300 m

$$1x \ 30x \ \frac{1.0+0.50}{2} \times 0.90 = 20.25m^3$$

$$1x \ 30x \ \frac{1.0+0.50}{2} \times \frac{1.30+0.80}{2} = 23.63m^3$$

$$43.88m^3$$

1/2/20

(Continuation)

or, 129 bags

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L	B	D	
Record Entry					
Date -	13/7/2020				
① Providing 62mm to 75mm dia Bamboo pile to size and making shoes and driving etc — do —					
Qty - 5800m to 6000m					
148 m @ 0.450 c/c = 329 nos					
Length of one bamboo = 4.50m					
So, total length of Bamboo Pile: 329 x 4.50 m					
= 1480.50 m					
② Providing 62mm to 75mm dia Bamboo Pile to size Runners to fitting & fixing in position at every vertical piles with 150m long nails — do					
qn 2 Layer.					
2 x 148 m = 296.0 m					
③ Providing new bag and n/c with labour for filling item & bag with local sand — do.					

(Continuation)

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Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
CH-	5800 m to 5900 m				
	(R.H.S)				
1x	30m	$\frac{3.0+1.0}{2}$	x	3.0	= 180.0m ³
1x	30m	$\frac{3.0+1.0}{2}$	x	3.0	= 180.0m ³
1x	10m	$\frac{3.0+1.0}{2}$	x	3.0	= 60.0m ³
					420.0m ³
				or 420	N.C

Visd.
13/07/2020
S.E

Quesd.
13-7-20
DE

Revised Entry.					
Date - 15/7/2020					
① Providing new bag and					
N.C with labour for filling					
item & bag with					
Local Sand - old					
CH - 5900 m to 6000 m					
1x	30m	$\frac{3.0+1.0}{2}$	x	3.0	= 180.0m ³
1x	30m	$\frac{3.0+1.0}{2}$	x	3.0	= 180.0m ³
1x	18m	$\frac{3.0+1.0}{2}$	x	3.0	= 108.0m ³
					468 m ³
				or 468	N.C

Visd.
15/07/2020
S.E

Quesd.
15-7-20

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Particulars	Details of actual measurement				Contents or area
	No.	L	B.	D.	
<u>Record Entry.</u>					
Date-	18/7/2020				
① Providing new bag and					
new with labour for fixing					
item i.e. bag with					
local sand. — do.					
CH - 350.0 to 356.0 m (R.m.s)					
1x	30m x	$\frac{3.0 + 1.0}{2}$	x 3.0 =	180.0m ³	
1x	30m x	$\frac{3.0 + 1.0}{2}$	x 3.0 =	180.0m ³	
Total.				360.0m ³	
				or 360 m ³ L	

② Providing a bag with sand and labour

including carriage

100

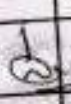
1x	30m	$\times \frac{1.30 + 0.80}{2}$	$\times 0.90 = 28.35m^3$
1x	30m	$\times \frac{1.0 + 0.50}{2}$	$\times 0.80 = 18.0m^3$
			<u>46.35m³</u>
			or, 1363 bags

Unpl.
19/7/020
J.E

18-7-20
AE

Particulars	Details of actual measurement				Contents or area
	No.	L	B	D	
<u>Record Entry</u>					
Date -	21/7/2020				
① Providing New bag and N.C with Labour for filling item E.C bag with local sand - do -					
ch -	3560 to 3620m (R.H.S)				
1x30m x	$\frac{3.0+1.0}{2} \times 3.0 =$				180.0m ³
1x30m x	$\frac{3.0+1.0}{2} \times 3.0 =$				180.0m ³
	Total =				360.0m ³
	or, 360 N.C				
② Providing E.C bag with sand and Labour for including carriage laying, filling etc all					
Complete job - do -					
ch -	3560 to 3620m (R.H.S)				
30m x	$\frac{1.0+0.60}{2} \times 0.60 =$				14.40m ³
30m x	$\frac{1.20+0.80}{2} \times 0.90 =$				27.0m ³
	Total =				41.40m ³
	or, 1218 bags				
<u>Utp.</u> 21/07/2020 S.R	<u>Qur</u> 21-7-20 D.E				

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
Record Entry.					
Date - 24/7/2020					
① Providing New bag and n.c with labour for killing item &c bag with local sand - do					
Ch - 3620 m to					
Ch - 3620 m to 3700 m (R.H.S)					
$30m \times \frac{3.0 + 1.0}{2} \times 3.0 =$					180.0m
$30m \times \frac{3.0 + 1.0}{2} \times 3.0 =$					180.0m
$20m \times \frac{3.0 + 1.0}{2} \times 3.0 =$					120.0m
					480.0m
Or, 480 n.c					
② Providing, e.c bag with sand and labour for including carriage laying, filling etc all complete job - do -					
Ch - 3620 m to 3700 m (R.H.S)					
$30m \times \frac{1.0 + 0.60}{2} \times 0.80 =$					19.20
$30m \times \frac{1.50 + 0.80}{2} \times 0.90 =$					31.05
Total:					50.25
Or, 1478 bags					
24/7/20 S.E					

Particulars	Details of actual measurement				Contents or area
	No.	L	B	D	
Record Entry.					
Date - 29/7/2020					
① Providing new bag and n.c with Labour for filling item E.c bag with Local sand - do					
CH - 3700 to 3760 m (R.M.)					
$30m \times \frac{2.0 + 1.0}{2} \times 3.0 =$					135.0m ³
$30m \times \frac{2.0 + 1.0}{2} \times 3.0 =$					135.0m ³
Total =					270.0m ³
or, 270 N.C					
② Providing E.c bag with sand and Labour for including Carriage laying, filling etc all					
Complete job -					
CH - 3700 to 3760m (R.M.)					
$30m \times 1.20 \times 0.90 =$					32.40
$30m \times 1.0 \times 1.0 =$					30.0m
					62.40
or, 183.5 bags					
W.S. 29/07/2020 S.E  29-7-20 A.E					
(Continuation)					

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
Record Entry.					
Date-	3/08/2020				
① Providing new bag and n/c with labour for filling item E.C bag with Local Sand - do -					
CH -	3760m to 3800m (R.H.S)				
30m x	$\frac{2.0 + 1.0}{2}$		x 3.0 =	135.0m ³	
10m x	$\frac{2.0 + 1.0}{2}$		x 3.0 =	45.0m ³	
				180.0m ³	
				or, 180 N.C	
② Providing E.C bag with sand and labour for including carriage laying, filling etc all complete job.					
CH -	3760m to 3800m (R.H.S)				
30m x	1.0	x	0.80 =	24.0m ³	
				or, 706 bags	
Unit.					
3/08/2020					
T.E					

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
Record Entry					
Date - 12/08/2020					
① Providing new bag and n/c with labour for killing item E.C bag with Local sand - do.					
CH - 3400 m to 3500 m (R.H.S)					
$20\text{ m} \times \frac{4.0 + 1.0}{2} \times 3.0 = 150.0\text{m}^2$					
or, 150 N.C					
<u>Dist.</u> 12/08/2020 J.E					
<u>Qs. /</u> 12-8-20 AE					
Record Entry					
Date - 16/08/2020					
① Providing new bag and n/c with labour for killing item E.C bag with Local sand - do.					
CH - 3500 to 3700 m (R.H.S)					
$4 \times 10\text{ m} \times \frac{4.0 + 1.0}{2} \times 3.0 = 300.0\text{m}^2$					
or, 300 N.C					
<u>Dist.</u> 16/08/2020 J.E					
<u>Qs. /</u> 16-8-20 AE					

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L	B.	D.	
Record Entry					
Date - 19/08/2020					
① Providing new bag and n.c with labour for billing item e.c bag with local sand - do.					
Ch - 3700 to 2800 m (m)					
20m x $\frac{3.0 + 1.0}{2}$ x 3.0 =					120 m ²
10m x $\frac{3.0 + 1.0}{2}$ x 3.0 =					60 m ²
				Total	180 m ²
				or, 180 m.c	

Wizl.
19/08/2020
J.E

Q. 13
19-8-20
A.C

Particulars	Details of actual measurement				Contents or area
	No.	L	B	D	
Record Entry					
Date - 19/10/2020					
① Providing Brick Bats					
including spreading					
laying hand Packing					
and Compacting - etc.					
CH - 500.0 to 700.0m					
1x	13.60	0.90	0.40	=	4.90m ³
1x	3.80	5.0	0.30	=	5.70m ³
3x	2.0	3.0	0.50	=	9.0m ³
1x	30	3.80	0.60	=	68.40m ³
1x	13.10	2.80	0.60	=	29.87m ³
1x	5.0	1.0	0.30	=	1.50m ³
1x	3.0	3.80	0.30	=	3.42m ³
1x	2.0	3.0	0.40	=	2.40m ³
1x	5.0	1.0	0.30	=	1.50m ³
1x	7.0	2.0	0.60	=	8.40m ³
2x	1.0	4.0	0.40	=	3.20m ³
1x	4.0	4.0	0.60	=	9.60m ³
1x	12.0	1.0	0.60	=	7.20m ³
1x	6.0	1.50	0.45	=	4.05m ³
Total Qty = 159.14m ³					
19/10/2020 J.E					
19-10-20 J.E					

(Continuation)

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
	Final Bill				
Name of work -	Temporary Restoration				
	work in LO21 Pmchsy				
	Road Sakabad To Atgama.				
Block -	Narayanpur.				
Agency -	Departmental.				
Authority -	Executive Engineer				
	R.M.D. work Division				
	Nalgachhiya.				
Date -	21/01/2021				
	ABSTRACT OF COST				

① Providing & Fixing

For 62 mm to 75 mm.

dia bamboo pile to

size and making

shoes and driving

etc all complete job.

same as vide T.M.B

3001.50 M item - 1 & Page - 1

1480.50 M item - 1 & Page - 4

4482.0 M @ 46.35/M — Rs 207741=00

②

Providing and Fitting

& fixing 62 mm to

75 mm dia bamboo

(Continuation) Rs 207741=00

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
runner in position					
at every vertical					
piled with 100m					
long nail - do -					
same qty vide T.M.B					
600m	9 item - 2				Page - 2
296m	9 item - 2				Page - 4
896m @ 24.78/m					Rx 22 203=00
③ Providing sand bag					
with sand and					
labour including					
carriage laying.					
filling etc all					
Complete job.					
same qty vide T.M.B					
1291 bag	item - 4				Page - 2
2563 bag	item - 2				Page - 3
1363 bag	item - 2				Page - 6
1218 bag	item - 2				Page - 7
1978 bag	item - 2				Page - 8
1835 bag	item - 2				Page - 9
706 bag	item - 2				Page - 10
10454 bag @ 31.22/bag					Rx 32 6374=00
④ Providing New					

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
Bag and n/c with					
Labour for filling					
Item E.C bag with					
Local sand, stitching					
on two lines - do.					
same qty vide T.M.B					
720 N/c	9 km - 3				Page - 2
390 N/c	9 km - 1				Page - 3
420 N/c	9 km - 1				Page - 4/5
468 N/c	9 km - 1				Page - 5
360 N/c	9 km - 1				Page - 6
360 N/c	9 km - 1				Page - 7
480 N/c	9 km - 1				Page - 8
270 N/c	9 km - 1				Page - 9
180 N/c	9 km - 1				Page - 10
480 N/c	9 km - 1				Page - 11
150 N/c	9 km - 1				Page - 12
300 N/c	9 km - 1				Page - 12
180 N/c	9 km - 1				Page - 13
4758 N/c @ 1064.40/N/c					
					R 50 64415.00
⑤ Providing Brick					
Bats including					
spreading laying					
hand packing and					
compacting with					

(Continuation)

R 5620733.00

18

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B.F. = 5620733-00

Particulars	Details of actual measurement				Contents or area
	No.	L.	B.	D.	
C.S. Hammer - do.					
Same aty ride 7-mB					
9mm - 1 A Page - 14					
159.14m ³ @ 1718.47/m ³					RA 273477=00
					RA 5894210=00
Add W.S.T @ 12%					707305=00
Add L. less @ 1%					58942=00
Add S.F @ 10%					79327=00
					RA 6739784=00

W.S.T.
21/01/021
S.E.

Don't
21-01-21
AE

R.P.
20/3/2021

Executive Engineer
M. W. D., W. D. Naugachia

Inspection Report For Flood Damage Work

Date :-

1. Name of PIU - Executive Engineer, R.W.D. W.D. Naugachia.
2. Name of Block/Road :- Narayanpur / 1021 - PMU 14 Road Shatabad To Angama.
Pig No - ER-06R-331
- A. For Road
 1. Damage location/Chainage - 3200-3800m, 5800-6000m, 5000-7000m
 2. Damage length
 3. Nature of Damage - Erosion by Flood water.
 4. Details of Restoration Works
 - (i) Material being used in Restoration Works:
 - (ii) Equipment's/Tools Being used in Restoration Works:
 - (iii) Procedure Taken up in Restoration Works:
 - (iv) Restored Length:
- B. For Bridge
 1. Damage Location/Chainage
 2. Damage length
 3. Nature of Damage
 4. Details of Restoration Works
 - (I) Material being used in Restoration Works:
 - (II) Equipment's/Tools Being used in Restoration Works:
 - (III) Procedure Taken up in Restoration Works:
 - (IV) Restored Length:
- C. Requirement of New CD/Bridges
 - (I) Name of Road:
 - (II) Location/Chainage
 - (III) Type of CD Work/Length required

Notes:-

- Upload one Photograph of damaged portion if available
- Attach minimum Two Photograph (during restoration & after restoration) photographs should be Geotags and at Least one Photo be captured in selfie mode.
- Restoration work has been done during flood season, but at present exact measurement can't be possible as per actual work done.

Handwritten signature
26/02/2021
S.E.

Signature of JE/AE/EE

Handwritten signature
26-02-2021
AE

Executive Engineer

R. W. D. W. D. Naugachia (Name of Inspector)

Signature

Handwritten signature
26/02/21
w

Handwritten signature
26/02/21
AE