

Schedule XLV-Form No. 134

Flood Restoration work

T64 to GKRAMILIK.

RWD. Kishangangai-2

DIVISION

RWD. Dighalbank

SUB-DIVISION

MEASUREMENT BOOK No. 1485

प्रमाणित किया जाता है कि इस माप पुस्तक में कु.
(एक सौ) मुद्रित दोहरे पृष्ठ हैं जो श्री. वि. वि. वि.
सहायक अभियंता, ग्रा.का.वि. कार्य अवर प्रमण्डल गदियन
के नाम से निर्मित किया जाता है।

कार्यपालक अ. 21/7/21
ग्रा.का.वि. व. अ. रम. व.
किसनगंज-2
यशम

Sch. XLV—Form No. 134

RWD. Kishangauj-2 DIVISION

RWD. Digbalbank SUB-DIVISION

Measurement Book

No. 1485

Name of Officer _____

Date of first entry _____

Date of last entry _____

Name to 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	

TOA to IKRA MILK.
(Temporary Road damage restoration work)

Agency - Departmental.

1. Record Measurement

AT - Kumbiya Chowk.

(1) P/W in excavation C/S

Box	1	7.50	8.0	2.0	= 120.00 m ³ .
R/W	4	2.00	2.0	2.0	= 32.00 m ³
C/O	2	4.00	0.500	2.0	= 8.00 m ³
					160.00 m ³ .

(2) P/PCC M15 to all C/S

R/W	4	2.00	2.00	0.20	= 3.20 m ³
C/O	2	4.00	0.500	0.20	= 0.80 m ³
					4.00 m ³ .

(3) P/ROAD Ties Steel - Exd. C/S

Main inner	12mm 10mm 8mm			
2.150 x 16 x 2	68.80			
Main outer				
2.450 x 16 x 2	78.40			
Dist. sum				147.20
2.600 x 11 x 4				

Continuation =

68.80 78.40 147.20

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		12mm	10mm	8mm	
Ret. Bottom					
-1X 3.800 X 55					= 209.60
Top					
1X 3.800 X 55					= 209.60
Right Bottom					
7.800 X 18					140.40
Top - 7.800 X 18					140.40
Plw wall					
C 4.800 X 55 X 2					= 528.00
D 2.570 X 48 X 2					= 246.72
J 7.800 X 11 X 4					= 343.20
e 1.420 X 48 X 2					= 136.20
g 1.150 X 48 X 2					= 110.40
		942.12	987.72	395.20	
Wt. in kg/m		0.888	0.62	0.395	

Wt. in kg =	836.60	612.39	156.10
Adding 5% for loss, wastage etc	41.83	30.62	7.81
Total =	878.43	643.01	163.91
Total =	1685.35 kgm.		1.685 Mt.

(4) 4/ PCC M15 - all 2.10

Ret. lev. 1	6.50	4.0	0.15	= 3.90 m ³
Crane				

25/3/20	25/3/21	AE		
25/3/20	25/3/21	AE		

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
(1) P/RCC M20 - 1st - C/S					
C/O	2	4.00	0.50	1.80	$= 7.200 \text{ m}^3$
R/W	4	2.00	$\frac{1.9+0.90}{2}$	1.80	$= 20.160 \text{ m}^3$
					27.360 m^3
(2) P/RCC M25 - 2nd - C/S					
Rab	1	7.50	4.0	0.40	$= 12.00 \text{ m}^3$
Haunch	2×1	7.50	0.30	0.30	$= 0.68 \text{ m}^3$
					12.68 m^3
30/07/2024					
30/7/24					
AE					

(1) P/RCC M25 - 1st - C/S & P-Supports.					
A/W	2	7.50	0.50	2.80	$= 21.00 \text{ m}^3$
R/W	4	2.00	$\frac{0.90+0.30}{2}$	3.00	$= 14.40 \text{ m}^3$
					35.40 m^3

(2) S/R/R HYSD Bar Detail - C/S & Supports.					
Deck slab	12mm	10mm	8mm		
Bottom main reinforcement					
$1 \times 3.80 \times 51$					$= 193.80$
Top main reinforcement					
$1 \times 3.80 \times 51$					$= 193.80$
Dist.					
$2 \times 800 \times 14$					$= 109.20$
7.800×14					$= 109.20$
$9 \times 1.150 \times 50 \times 2$					$= 115.00$
Kerb bottom					
$3 \times 800 \times 5 \times 2$					$= 38.00$
top bar					
$3.800 \times 5 \times 2$					$= 38.00$
Dist.					
$2 \times 800 \times 14$					$= 57.80$
Post bar post					
$1.2 \times 6 \times 4 \times 28.80$					$= 37.80$
Dist.					
$1.05 \times 6 \times 6$					$= 210.60$
					623.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
B/F		12mm	10mm		
=		260.60	623.00		
Wt. kgm/m @	0.888		0.62		
Wt. in kgm =	231.42		386.26		
Total =			617.67 kgm.		
Adding 5% for					
labor waste etc.			30.88 kgm.		
			648.55 kgm.		
			0.649 m ³		
Sub 05/05/21 J.E.					

(1) P/Rec W/S & Super Ch.					
D. 8/02.	1	4.00	7.50	0.40	= 12.00 sq.
Kerb	2	4.00	0.50	0.30	= 1.20 "
Rob	2	7.50	0.50	0.20	= 1.50 "
Channel 2x1	2	7.50	0.30	0.30	= 0.68 sq.
					15.38 sq.

(2) P/Rec Railing W/S - do - 1.308					
2 x 4.00					= 8.00

(3) Back-belly - do - all - 1.308					
160 (+) (4.00 + 3.90 + 27.36 + 12.68					
+ 35.40)					= 76.66 sq.

(4) P/biter media - do - 1.308					
2	6.50	0.60	3.00		= 23.40 sq.

Continuation					
4	2.00	0.60	3.00		= 14.40 sq.
					37.80 sq.

~~Sub~~
15/05/21
S.E.

~~Sub~~
10/05/21
A.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) Const. of Embankment					
to all - c.s.s.					
2	15.0	$\frac{7.5+10.0}{2}$	2.0		$= 525.00 \text{ m}^3$
(2) P/ Subgrade & earthwork					
Shoulder to all - c.s.s.					
2	15.0	6.00	0.30		$= 54.00 \text{ m}^3$
(3) P/ G. S. B. Gr. 2 to c.s.s.					
2	15.0	4.05	0.200		$= 24.30 \text{ m}^3$
(4) P/ M30 wearing coat c.s.s.					
1	6.500	4.00	0.075		$= 1.98 \text{ m}^3$
1. P/ Bamboo piling - c.s.s.					
1	37	3.00			$= 111.00 \text{ m}.$
1	98	3.00			$= 294.00 \text{ m}.$
					$405.00 \text{ m}.$
2. SIF/P 2 mm to 75 mm					
Bamboo runner - c.s.s.					
1	3	10.60			$= 31.80 \text{ m}.$
1	3	28.00			$= 84.00 \text{ m}.$
					$115.80 \text{ m}.$
3) P/ B.C. batt - to c.s.s.					
1	16.80	3.35	2.25		$= 124.37 \text{ m}^3$
1	9.70	6.00	2.40		$= 139.68 \text{ m}^3$
1	30.0	4.00	1.45		$= 174.00 \text{ m}^3$
1	22.0	0.60			$= 79.20 \text{ m}^3$
					517.25 m^3

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. P/ and filling empty Cement Bags.					
	1	10.60	1.60	3.10	$= 52.28 \text{ m}^3$
	1	28.00	1.40	2.20	$= 86.24 \text{ m}^3$
					138.82 m^3
- @ 0.034 m^3/bag = 4083 bags					
PA 12/09/21 J.E.	Acup 12/19/21 AE				

And also filling empty Cement Bags					
Katbari	1	16.50	3.00	2.50	$= 123.75 \text{ m}^3$
	1	9.70	6.00	2.50	145.50 m^3
	1	30.00	4.00	1.60	192.00 m^3
	1	22.00	6.00	1.20	158.40 m^3
Sand manpan.	1	18.50	4.00	0.60	44.40 m^3
					664.05 m^3
(2) Sand filling to - 2.50 m					
	1	16.50	3.35	0.30	$= 16.58 \text{ m}^3$
	1	9.70	6.00	0.30	$= 17.46 \text{ m}^3$
	1	30.00	4.00	0.30	$= 36.00 \text{ m}^3$
	1	22.00	6.00	0.30	$= 39.60 \text{ m}^3$
					109.64 m^3
PA 5/12/21 J.E.	Acup 05/12/21 AE				

Continuation

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Sch. XLV—Form No. 134					Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
<u>ABSTRACT OF COST.</u>					
1. P/EW in excavation - C.B.S.					
THB Page (1) item (1) = 160.00 m ³					
② 294.25/- = 47080 =					
2) P/PCC M/S do - C.B.S.					
THB Page (1) item (2) = 4.00 m ³					
" (2) " (4) = 3.90 m ³					
7.90 m ³					
② 3660/- = 28810 =					
(3) P/HYSD Steel - in P.C.P.					
- C.B.S.					
THB Page (2) item (3) = 1.685 m					
② 60869.52/- = 1,07,069 =					
4) P/Rec H/W in P.C.P. Substr.					
do - C.B.S.					
THB Page (3) item (1) = 27.360 m ³					
② 4636.46/- = 1,26,854 =					
5) P/Rec H/W in P.C.P. Substr.					
THB Page (3) item (2) = 12.68 m ³					
" " " (1) = 35.40 m ³					
48.08 m ³					
② 5072.99/- = 2,43,909 =					
2,51,519 =					
↑					
Rs. 5,53,722 =					
Continuation					

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			18/2 1/2		553722 =
(6) P/RCC MTS in Superstr.					
do do - c. 3/4					
THB Pape 4 Item (1) = 15.3843					
			(6) 5245.13/1/2		80670 =
7) P/RCC MTS in Working					
Cost do do - c. 3/4					
THB Pape 5 Item (4) = 1.9543					
			(6) 12057.54/1/2		23512 =
8) P/RCC MTS in Railings					
do do do - c. 3/4					
THB Pape 4 Item (2)					
- 8.004 (6) 1420.51/1/2					11364 =
9) P/HYSD for Reinforcement					
do do - c. 3/4 Superstr.					
THB Pape 4 Item (2) = 0.64945					
			(6) 61816.49/1/2		40119 =
10) Backfill p do - c. 3/4					
THB Pape 4 Item (3)					
- 76.66 m ³ (6) 514.43/1/2					39436 =
11) Filter media do - c. 3/4					
THB Pape 4 Item (4) =					
37.80 m ³ (6) Continuation 1189.63/1/2					44945 =
					793768 =

Continuation
$$\text{Ex. } 10, 47, 271 =$$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			18	1-6	10,47,271 =
18) P/ 316 bat in laying p- 638.					
THD Paper 6 item (1) =					664.0543
" " 5 " (3) =					517.4543
					1181.3043
			(6)	2168.72	10,25,61,909 =
19) P/ billing E.C. Ref.					
THD Paper 6 item (4) =					
4083 wox @ 38.03					155276 =
					1
				18.	37,64,456 =

Add 12% GST @					451735 =
" 1 Y. C/Corr Ap.					3,76,446 =
Addig S. Free Ap.					2,01,178 =
(48105 + 153073)					1
				Rs.	47,93,815 =

05/12/21
 05/12/21
 AE