

11/28A से सिमरनिगपकहा टाला.

Schedule XLV Form No.-134

BIHAR P.W.D.

MMGX OPDZ MZSESH

Raxaul

DIVISION

Ramganga

SUB-DIVISION

MEASUREMENT BOOK

1299

प्राम्बा construction. Pw. Ltd.

Set on A/c B.I.I

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 at the commencement of the measurement relating to each work.)

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Name of work -	NH-28A SE				
	Siswaniger Pokhara Tola				
Agency -	Paramba Construction private				
	Limited				
Agg no	07/2024 ^{SBP} /2024-25				
Date of Agreement -	22.08.2024				
Date of completion -	21.08.2025				

measurement rate

$\frac{1}{43}$ ~~At a~~ fixing of working bench mark.

0.875km

$\frac{2}{44}$ ~~reference pillar~~

0.875 Div.

$\frac{3}{45}$ ~~Cleaning and scrubbing Road~~

0.35 Ha.

$2 \times 875.00 \times 2 = 3500 \text{ m}^2$

$= 0.3500 \text{ Ha.}$

$\frac{3}{46}$ ~~Dismantling of existing structure (Bridges)~~

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	D.
3/4 Demolition of existing structure (concrete)	2	5.00	0.825	3.00 = 24.75 m ²
	1	1.00	1.00	0.15 = 0.15 m ²
	1	1.00	5.00	0.30 = 1.50 m ²
	2	1.00	0.385	0.300 = 0.18 m ²
				1.83 m ²
2 no. box culvert	2	2.00	2.00	2.00
21/7/05				21/7/05 A-E
Date of Measurement				
1/74 6/12 in excavation				
Box culvert	2	3.50	6.00	0.65 = 27.30 m ²
cut of wall	2	2	3.50	1.30 = 32.76 m ²
Return wall	2	4	2.40	3.88 = 134.09 m ²
				194.15 m ²
2/75 plain concrete concrete m/s				
Box culvert	2	2.50	6.00	0.100 = 3.00 m ²
Return wall	2	4	2.40	2.88 = 11.06 m ²
				14.06 m ²
21/7/05				21/7/05 A-E
Date of measurement				
1/79 supplying fitting and placing HYSD bar				
I-10mm	2	43	2.57	0.617 = 136.37 kg
h-10mm	2	38	2.57	0.617 = 120.51 kg
J-10mm	2	2	13	6.08 = 195.07 kg

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
C-10mm p	2	2x43	3.84	0.617	407.5219
d-10mm p	2	2x31	2.57	0.617	196.6318
e-12mm p	2	2x43	1.42	0.89	217.3718
g-10mm p	2	2x2x4	1.15	0.617	232.7318
J-10mm p	2	2x2x10	6.08	0.617	300.1118
f-10mm p	2	2x43	1.42	0.617	150.7018
Cup wall					
vertical. 12mm p					
	2	2x2x17	1.75	0.89	211.8219
Binder 10mm p	2	2x2x10	2.50	0.617	123.4018
					2292.2318
					2.292118
2 pr p.c.c m20					
in substructure complete					
Belted slab.	2	2x2.50	6.40	0.25	7.50 m ³
Side wall.	2	2x6.00	2.00	0.25	12.00 m ³
Return wall.	2	4x2.00	1.01	1.28	28.76 m ³
					19.50 m ³
human					
24/24/25					
24/24/25					
A-C					
3.					
76 pr p.c.c m20					
Return wall.	2	4x2.00	2.475	0.200	7.92 m ³
	2	4x2.00	2.375	0.200	7.60 m ³
	2	4x2.00	2.275	0.200	7.28 m ³
	2	4x2.00	2.175	0.200	6.96 m ³
	2	4x2.00	2.075	0.200	6.64 m ³
	2	4x2.00	1.975	0.200	6.32 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	2	4	2.100	1.875	$\times 0.200 = 6.00 \text{ m}^2$
	2	4	2.000	1.775	$\times 0.200 = 5.68 \text{ m}^2$
Cut of wall	2	2	2.30	0.30	$\times 0.150 = 0.15$ $= 4.50 \text{ m}^2$
					<u>58.90 m²</u>
4/78 p/r deep hole in brick free concrete					
	2	30			$= 60 \text{ m}^2$
1/22 28/2/2025					
1/22 Supplying, filling and placing HYSD bar					
Slab.					
b-12mm ϕ	2	47	2.57	0.89	$= 215.01 \text{ kg}$
(9)-10mm ϕ	2	43	2.57	0.617	$= 136.37 \text{ kg}$
J-10mm ϕ	2	2	13	6.07	$\times 0.617 = 194.75 \text{ kg}$
Kerb vertical.					
12mm ϕ	2	2	2	0.16	$\times 0.906 \times 0.89 = 102.53 \text{ kg}$
bindes.	2	2	2	3	$\times 2.5 \times 0.89 = 53.40 \text{ kg}$
					<u>702.06 kg</u>
1/22 01/3/2025					
1/22 Construction of R.C. ms					
Slab.	2	1	2.50	6.00	$\times 0.25 = 7.50 \text{ m}^2$
Handkh	2	4	6.00	0.011	$= 0.54 \text{ m}^2$
Kerb.	2	2	2.50	0.25	$\times 0.30 = 0.75 \text{ m}^2$
					<u>8.79 m²</u>

Box culvert 3 x 5m x 4m

Sch. XLV-Form No.134 **6**

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Box culvert 3 cell 5m x 4m					
1/74 epd in excavation in form					
Box culvert					
	1	17.80	6.00	80	= 85.44 m
Cut of wall.	2	17.80	1.30	1.80	= 83.30 m ²
Refurb wall.	4	3.40	3.88	1.80	= 94.98 m
					213.72 m
2/75 ply cement concrete					
M.S					
Box culvert	1	16.80	6.00	100	= 10.08 m
Return wall.	4	3.40	2.88	0.200	= 7.83 m ²
					17.91 m
6/80 7/13/25 OB					
7/13/25 A-C					
Date of measurement					
1/74 supplying, fitting and					
placing HYSD bar.					
A - 12mm ϕ	38	16.87	0.89		= 570.54 kg
2 - 20mm ϕ	38	16.87	2.48		= 1589.83 kg
d1 - 10mm ϕ	2	84	6.72	0.617	= 696.57 kg
a - 16mm ϕ	2	40	8.14	1.58	= 1028.90 kg
d - 12mm ϕ	2	37	4.87	0.89	= 320.74 kg
b - 16mm ϕ	2	40	4.42	1.58	= 558.69 kg
c - 12mm ϕ	2	2	43	5.10	0.89 = 780.71 kg
d - 10mm ϕ	4	2	27	6.62	0.617 = 882.26 kg
eg - 10mm ϕ	2	41	0.85	0.617	= 43.00 kg
m - 10mm ϕ	2	41	1.10	0.617	= 55.65 kg

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
C - 10mm ϕ	2 x 41	3.42	0.617		173.0388
D - 10mm ϕ	2 x 41	3.83	0.617		194.79 Pf
cut off wall					
vertical - 12mm ϕ	2 x 2 x 113	1.75	0.89		703.99 kg
dist. bar 10mm ϕ	2 x 2 x 11	16.87	0.617		457.99 kg
					8056.69 kg
					8.057 m ³
external 69/13/1000 08					
2 plain / reinforced cement					
Concrete m ³					
bottom slab.	1 x 16.80	6.00	0.400		40.32 m ³
middle wall.	2 x 6.00	4.00	0.500		24.00 m ³
middle wall.	2 x 6.00	4.00	0.400		19.20 m ³
					83.52 m ³
3/76 providing p.c.c m ³					
Return wall (step wise)					
	4 x 3.00	2.475	0.20		5.94 m ³
	4 x 3.00	2.375	0.20		5.70 m ³
	4 x 3.00	2.275	0.200		5.46 m ³
	4 x 3.00	2.175	0.200		5.22 m ³
	4 x 3.00	2.075	0.200		4.98 m ³
	4 x 3.00	1.975	0.200		4.74 m ³
	4 x 3.00	1.875	0.20		4.50 m ³
	4 x 3.00	1.775	0.20		4.26 m ³
cut wall	2 x 16.80	0.300	1.50		15.12 m ³
					55.92 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4/10 4/10 w/c hole in R.C.C. concrete					
		4.5 m			
6/10 6/10 w/c hole in R.C.C. concrete					
1/83 1/83 supplying fitting and placing HYSD bar in 9/16 slab					
f-16mm	41	16.87	1.58		1092.8414
f-10mm	41	16.87	0.617		426.7619
d1-10mm	85	6.08	0.617		318.876
d2-10mm	85	6.08	0.617		318.876
k-20mm	2	41	3.00	2.48	610.086
m-10mm	2	41	0.85	0.617	43.004
n-10mm	2	41	1.10	0.617	55.6514
Kerb Vertical					
12mm	2	2	1.2	0.92	386.821
Border	12mm	2	2	3	180.1718
					3413.0619
					= 3.413 m ²
6/10 6/10 w/c hole in R.C.C. concrete					
1/89 1/89 w/c and laying R.C.C. slab					
Slab	1	6.80	6.00	0.400	40.32 m ²
House	12	6.00	0.020		1.44 m ²
Kerb	2	6.80	0.25	0.30	2.52 m ²

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1 52 drainage spouts complete					
2 86 1st and laying cement concrete wearing course					
wearing coat $1 \times 16.80 \times 5.50 \times 0.075 =$					6.93 m²
3 57 1st and laying cement concrete. 1st					
Return wall $4 \times 3.00 \times 1.00 \times 3.93 =$					47.69 m²
Coping $4 \times 3.00 \times 0.075 =$					0.90 m²
					48.59 m²
4 58 2nd filling behind abutment, winged.					
$2 \times 3.00 \times 5.20 \times 0.20 =$					6.24 m²
$2 \times 3.00 \times 7.26 \times 3.93 =$					100.45 m²
Deduct for fillet masonry.					42.18 m²
					64.57 m²
5 81 1st and laying filter masonry.					
$2 \times 4.26 \times 0.60 \times 3.70 =$					18.91 m²
$4 \times 2.40 \times 0.60 \times 4.04 =$					23.27 m²
					42.18 m²
6 82 1st and laying filter masonry.					
$2 \times 4.26 \times 0.60 \times 3.70 =$					18.91 m²
$4 \times 2.40 \times 0.60 \times 4.04 =$					23.27 m²
					42.18 m²

Suman
13/3/2023
20

A
13/3/23
A-E.

Sch. XLV-Form No.134				10	Contents of area
Particulars	Details of actual measurement				
	No.	L.	B.	D.	
Construction of embankment with material obtained from borrow pits lead up to 1000m & 100m.					
CH-	0.15	mean LIS	length	Qty	
0	0.786				
50	0.748	0.767	50		38.35
100	0.412 0.58	0.58	50		29.00
150	0.388	0.388	50		19.40
200	0.388	0.376	50		18.80
250	0.42 0.437	0.409	50		20.45
300	0.646 0.538	0.538	50		26.90
350	1.352 0.95	0.95	50		47.75
400	1.306	1.285	50		64.25
450	1.04 1.078	1.173	50		58.65
500	0.736 0.888	0.888	50		44.40
550	0.34 1.076	0.538 1.07	50		26.90
600	0.402 0.575	0.373	50		18.65
650	0.506	0.506	50		25.30
700	0.442 0.524	0.524	50		26.20
750	0.724 0.583	0.583	50		29.15
800	0.422 0.573	0.573	50		28.65
870	0.37	0.361	70		25.27
					548.07 m ³
Lead up to 1000m 20% = 109.61 m ³					
Lead up to 100m 80% = 438.46 m ³					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1/48 Excavation for Roadway					
in. 600. using manual means					
for carrying of cut earth (Box cutting)					
B.E. for provision of flexible Road					
2 x 10 x 30		0.775	0.100		46.50 m ³
B.E. side for provision of rigid Road					
2 x 75.00 x 0.375		0.100			5.63 m ³
					52.13 m³
1/51 Construction of subgrade and earthen shoulder with approved materials obtained from borrow pits flexible Road					
10 x 30.00 x 7.275		0.300			654.75 m ³
1/52 W.S.B. grading I 1st layer widening portion					
2 x 10 x 30.00		0.775	0.100		46.50 m ³
2 x 75.00		0.375	0.100		5.63 m ³
12 x 30.00		0.375	0.100		2.25 m ³
2 x 30.00		0.375	0.100		2.25 m ³
2 x 15.00		0.375	0.100		1.125 m ³
6 x 30.00		3.75	0.100		67.50 m ³
1 x 20.00		3.75	0.100		7.50 m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
					$5.00 \times 0 + \frac{1.15 \times 0.075}{2} = 0.22 \text{ m}^2$
					$2 \times 7.00 \times 0 + \frac{0.650 + 0}{2} \times 0.075 = 0.23 \text{ m}^2$
					$2 \times 8.00 \times 0 + \frac{0.70 + 0}{2} \times 0.075 = 0.28 \text{ m}^2$
					244.00 m²
Column 19/12/25 OB				19/12/25 A-E	
1/59 prime cement concrete pavement d/d					
					$9 \times 30.00 \times 3.75 \times 0.160 = 162.00 \text{ m}^2$
					$1 \times 5.00 \times 3.75 \times 0.160 = 3.00 \text{ m}^2$
Extra widening					$4.00 \times 0 + \frac{1.00 \times 0.160}{2} = 0.32 \text{ m}^2$
					$2 \times 5.00 \times 0 + \frac{0.60 + 0}{2} \times 0.160 = 0.32 \text{ m}^2$
					$2 \times 6.00 \times 0 + \frac{0.75 + 0}{2} \times 0.160 = 0.48 \text{ m}^2$
					$4.50 \times 0 + \frac{1.20}{2} \times 0.160 = 0.43 \text{ m}^2$
					$5.50 \times 0 + \frac{0.80 + 0}{2} \times 0.160 = 0.29 \text{ m}^2$
					$5.00 \times 0 + \frac{1.15}{2} \times 0.160 = 0.31 \text{ m}^2$
					$2 \times 7.00 \times 0 + \frac{0.65 + 0}{2} \times 0.160 = 0.49 \text{ m}^2$
					$2 \times 8.00 \times 0 + \frac{0.70 + 0}{2} \times 0.160 = 0.59 \text{ m}^2$
Column 20/12/25 OB				20/12/25 A-E	168.18 m²
1/59 prime coat d/d					
					$17 \times 30.00 \times 3.75 = 1912.50 \text{ sqm}$
Extra widening					$2 \times 12.00 \times 0 + \frac{0.900 + 0}{2} = 7.20 \text{ sqm}$
					$2 \times 9.00 \times 0 + \frac{0.800 + 0}{2} = 4.00 \text{ sqm}$
					$2 \times 13.00 \times 0 + \frac{0.950 + 0}{2} = 8.23 \text{ sqm}$
					$2 \times 14.00 \times 0 + \frac{1.10 + 0}{2} = 10.20 \text{ sqm}$

Continuation

Particulars	Details of actual measurement			Contents of area
	No.	L.	B.	
5	TMBP-(2) Qty	24.75 m ²		
47	CP 319.41/m ²			7905 = 0
S Dis mantling of existing structure (Cement concrete)				
6	TMBP-(2) Qty	1.83 m ²		
48	CP 671.74/m ²			1228 = 0
B excavation for Roadways				
7	TMBP-(1) Qty	52.13 m ²		
49	CP 103.96/m ²			5419 = 0
7 Const. of embankment with materials taken from borrow pit				
Load. 1000 m				
8	TMBP-(10) Qty	109.61 m ²		
50	CP 259.62/m ²			28457 = 0
8 Const. of embankment Load. 100 m				
9	TMBP-(10) Qty	438.46 m ²		
51	CP 176.16/m ²			77239 = 0
9 Const of subgrade and earth shoulder				
10	TMBP-(11) Qty	654.75 m ²		
52, 57	CP 264.42/m ²			173129 = 0
10 C.I. Boraddding I - do do				
11	TMBP-(12) Qty	252.30 m ²		
12	TMBP-(13) Qty	242.65 m ²		
		494.95		

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			@ 4300.77/m ²		2128666
11/53	W.B.M. extending in				
	do do				
	TMBP (14)	Qty	244.07m ³		
		@ 5422.96/m ³			1323202
12/59	pr cement concrete				
	parment do do				
	TMBP (16)	Qty	168.18m ³		
		@ 9885.52/m ³			1662547
13/74	exc in excavation in				
	found				
	TMBP (2)	Qty	194.15m ³		
	TMBP (6)	Qty	222.22m ³		
			457.87m ³		
			Limit 457.88m ³		
		@ 398.62/m ³			182401
14/75	plain cement concrete				
	M15				
	TMBP (2)	Qty	14.06m ³		
	TMBP (6)	Qty	17.91m ³		
			31.97m ³		
			Limit 31.94m ³		
		@ 8434.55/m ³			269400
15/76	pr p-c-c M20				
	TMBP (9)	Qty	58.90m ³		
	TMBP (10)	Qty	55.92m ³		
			114.82m ³		
		@ 9161.03/m ³			1051869
16/77	pr p-c-c M20 (1:2:4)				

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
TMBP-(3) gty			19.50 m ²		
TMBP-(7) gty			83.50 m ²		
			103.02 m ²		
TMBP-(5) gty			29.96 m ²		
TMBP-(9) gty			48.59 m ²		
			181.57 m ²		
@ 9861.85/m ²					Rs 17906162
17/78 per weep holes in concrete					
TMBP-(4) gty			60 m ²		
TMBP-(8) gty			45 m ²		
			105 m ²		
@ 117291/m ²					Rs 123262
18 supplying fitting and pieces					
79 HYSD bar					
TMBP-(3) gty			2.292 m		
TMBP-(7) gty			8.057 m		
			10.35 m		
@ 80260.19/m					Rs 8138382
19 back filling behind abutment					
TMBP-(5) gty			38.09 m ²		
TMBP-(9) gty			64.51 m ²		
			102.60 m ²		
@ 351508/m ²					Rs 3595342
20 per and laying filter materials					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
TMBP- (5)		30.89 m ²			
TMBP- (6)		42.18 m ²			
		23.07 m²			
		Sum 73.07 m ²			
	①	4506.77/m ²			329174
21 82	RM and laying R.C.C				
	M25				
TMBP- (4)		8.79 m ²			
TMBP- (8)		44.28 m ²			
		53.07 m²			
	①	11106.73/m ²			389434
22 83	supplying fillos and				
TMBP- (4)		0.702 m ²			
TMBP- (8)		3.412 m ²			
		4.11 m²			
					336276
	①	818.90/m ²			336603
23 85	Drainage Spouts				
	TMBP- (5)	8 m ²			
	TMBP- (7)	8 m ²			
		16 m²			
	①	928.44/m ²			14855
24 86	RM and laying cement concrete wearing course				
	TMBP- (5)	2.06 m ²			
	TMBP- (7)	6.93 m ²			
		8.99 m²			
	①	16993.45/m ²			15277

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
25 54 Plr and applying primer coat - do do					
TMBP (15) Qty 1957.60 m ²					
@ Rs 58.60/m ²					A 114715 = 0
26 55 Plr and applying face coat - do do					
TMBP (15) Qty 1957.60 m ²					
@ Rs 20.07/m ²					B 39289 = 0
27 56 Plr mpx seal surface - do do					
TMBP (15) Qty 1957.60 m ²					
@ Rs 293.96/m ²					Rs 575456 = 0
					Rs 12074016 = 0
Add 1% L. Coes (+) Rs					120730 = 0
Add 18% VST (+) Rs					2173143 = 0
Add S. Fee (+) Rs					146552 = 0
					B 14513441 = 0
Less 0.86% 2 per cent agreement					Rs 124816 = 0
Limited					Rs 14388625 = 0
					B 3202666 = 0
28 57 Plr and applying primer coat - do do					
TMBP (15) Qty 1957.60 m ²					
@ Rs 58.60/m ²					A 114715 = 0
Attachment					
Letter no - 157 dt - 31/01/25					
Amt - 3202666					
Dt on the bill - 3202666					
Balance - Nil					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Seigniorage fee					
2 Embankment					Rs 1932 = 0
2 Subgrade					Rs 2308 = 0
2 W.B.					Rs 41737 = 0
1 W.B.M. (1)					Rs 34995 = 0
5 C.C. pavement					Rs 17450
5 M.M. Seal					Rs 2273 = 0
7 P.C.C. M.S.					Rs 3370 = 0
8 P.C.C. M.S.					Rs 16250 = 0
9 R.C.C. M.S.					Rs 20438 = 0
10 R.C.C. M.S.					Rs 5799 = 0
					Rs 146552 = 0

~~Sum~~
243705
50

Material Statement of this Bill

- 1) Earth — 1202.82 m³
- 2) Sand — 430.46 m³
- 3) Stone chips — 1269.07 m³
- 4) Emulsion S.S. — 1663.96 kg.
- 5) Emulsion L.S. — 538.34 kg.
- 6) Bitumen M.S. — 3425.81 kg.
- 7) W.B. plastic — 297.56 kg.

~~Sum~~
243705
50

Vs. No. Date of
 Draftable bill B.F. 3202666
 Sch. XLV-Form No.134 22 27141242

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
memo of Payment					
7.5% S.D. —				240200	=
2% S/ham —				54282	=
1% L-cas —				320272	
1% CGST —				27141	=
1% SGST —				27141	=
(10%) S. free —				146552	=
Loyalty —				106668	=
Total deduction —				634011	=
Pay by Cheque —				2568655	=
Total —				3202666	=

Passed for (Rs. 3202666=)
 Rupees thirty two lakh
 two thousand six hundred
 sixty six only.

21/03/25
 EXECUTIVE ENGINEER
 R.W.D. (W) Division, Raxaul
 21/03/25