

प्रमाणित किया जाता है कि इस मापी
पुस्त में कुल 100 (एक सौ) पन्ना है जो
कि चौबीसों सेना में है। इसी प्रकार
प्रमाणित किया जा रहा है कि इस मापी
प्रमाणित किया जाता है।

सहायक अभियंता: श्री पी. जी. राय

संवेदन का नाम:- अरविन्द कुमार सिंह

12/5/20
कार्यपालक अभियंता
ग्रामीण कार्य विभाग
कार्य प्रमुख नरकटियागंज

Re-issued to Jayprakash Ram
J.E, Champatia.

S.D.O
Champatia

Sch, XLV-Form No. 134

कार्यपालक अभियंता

ग्रामीण कार्य विभाग

कार्य प्रमुख नरकटियागंज

चनपटिया

DIVISION

SUB-DIVISION

Measurement Book

No. 12184

2020-21

Name of Officer _____

Date of first entry _____

Date of last entry _____

1st on A/c B&M

1

Name of 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.	
N/12 - Const. of road from Chakbay To 1st math to Primary School					
Agency - Arvind Kumar Singh					
Agg. NO - 21/2020-21					
Agg. Amount - 21339331.00					
A.A. Amount Letter NO. 1239 dt. 7.11.2019					
Const + Maint - 196.0 lacs					
T.S. Amount					
Const + Maint - 217.06 lacs					
Date of Commencement - 30.01.2020					
Date of Comp - 29.04.2021					
Date of Entry - 30.5.2020					
1) Const. of reference Bench- mark - do - all comp					
Qty - 3.245 Km					
2) Const. of reference Pillar					
do - all comp					
Qty - 3.245 Km					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
3) cleaning & grubbing road					
land	do	do	do	all	
2 X 108 X 30m X 1.50m					9720m ²
2 X 1 X 5m X 1.50m					15m ²
					9735m ²
					= 0.97 Hect
4) const. of Embankment					
with approved material					
do	do	do	do	all comp	
90 X 30m $\left[\frac{6+9}{2} - \frac{4+5}{2} \right] \text{m} \times 0.500\text{m}$					3375m ³
4) E/W for 1000m lead					
do	do	do	do	all	
30% of 3375m ³					= 1012.50m ³
5) const. of E/W for					
100m lead					
do	do	do	do	all	
70% of 3375m ³					= 2362.50m ³
CD work 1m x 1m span					
3 Nos					
6) E/W in excavation for					
foundation					
do	do	do	do	all	
3 X 1.5m X 6.0m X 1.0m					= 27m ³
3 X 2 X 5.50m X 0.50m X 1.50m					= 24.75m ³

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{7}{32}$) Sand filling in forward - do do comp					
					$3 \times 1 \times 1.5 \text{ m} \times 6.0 \text{ m} \times 0.150 \text{ m} = 4.05 \text{ m}^3$
					$3 \times 2 \times 5.5 \text{ m} \times 0.500 \text{ m} \times 0.100 \text{ m} = 1.65 \text{ m}^3$
					<u>5.7 m³</u>
Limit 4.17 m ³					
$\frac{8}{34}$) P/V PCC mis grade in concrete do all					
					$3 \times 1.5 \text{ m} \times 6.0 \text{ m} \times 0.100 \text{ m} = 2.70 \text{ m}^3$
					$3 \times 2 \times 5.50 \text{ m} \times 0.450 \text{ m} \times 0.100 \text{ m} = 1.47 \text{ m}^3$
					<u>4.17 m³</u>
Limit 2.70 m ³					

05/04/20
A.E.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Date of Entry - 12.6.2020</u>					
1/43) S/F/A Hy8 bars reinforced					
(Fe-415) - also - all					
(A) <u>cut off wall</u>					
Below floor level (10mm ϕ)					
Horizontal bar					
(a) $6N0 \times 2 \times 5.86m = 70.32m @ 0.62Kg/m$					
$= 43.598Kg$					
(b) $6N0 \times 2 \times 5.86m = 70.32m @ 0.62Kg/m$					
$= 43.598Kg$					
Above floor level (R/W)					
(c) $8N0 \times 2 \times 4 \times 2.36m = 151.04 @ 0.62Kg/m$					
$= 93.644Kg$					
(d) <u>vertical bar (10mmϕ)</u>					
Below bed level					
$8N0 \times 2 \times 1.46m = 23.36m @ 0.62Kg/m$					
$= 14.483Kg$					
$8N0 \times 2 \times 1.46m = 23.36m @ 0.62Kg/m$					
$= 14.483Kg$					
(e) <u>Return wall</u>					
$10N0 \times 2 \times 4 \times 2.91m = 232.80m @ 0.62Kg/m$					
$= 144.336Kg$					
(B) <u>Box cell</u>					
(a) $3N0 \times 1.58m = 4.74m @ 0.62Kg/m$					
$= 2.938Kg$					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(b) 31 NO X 1.58m = 48.98m @ 0.62 Kg/m					= 30.367 Kg
(c) 31 NO X 2.36m = 73.16m @ 0.62 Kg/m					= 45.359 Kg
(d) 31 NO X 2.36m = 73.16m @ 0.62 Kg/m					= 45.359 Kg
(e) 31 NO X 2 X 1.12m = 69.44m @ 0.62 Kg/m					= 43.052 Kg
31 NO X 2 X 1.12m = 69.44m @ 0.62 Kg/m					= 43.052 Kg
(f) 31 NO X 4 X 0.850m = 105.40m @ 0.62 Kg/m					= 65.348 Kg
(g) 31 NO X 1.58m = 48.98m @ 0.62 Kg/m					= 30.367 Kg
(h) 31 NO X 1.58m = 48.98m @ 0.62 Kg/m					= 30.367 Kg
(i) 8 NO X 2 X 4 X 6.26m = 400.64m @ 0.62 Kg/m					= 248.396 Kg
(C) Vertical post & End Pillar					
(a) 4 X 4 X 0.520m = 12.12m @ 0.62 Kg/m					= 8.134 Kg
(b) 4 X 2 X 0.800m = 9.60m @ 0.62 Kg/m					= 5.952 Kg
(D) Parapet wall					
(a) 3 NO X 2 X 2 X 1.26m = 24.12m @ 0.62 Kg/m					

Date of Entry - 21.6.2020

$\frac{1}{39})$ Plv Pce m25-grade concrete
— do — all comp

$$3 \times 1 \times 1.5 \text{ m} \times 6.0 \text{ m} \times 0.210 \text{ m} = 5.67 \text{ m}^3$$

$$2 \times 2 \times 1.0 \text{ m} \times 6.0 \text{ m} \times 0.250 \text{ m} = 9.0 \text{ m}^3$$

$$3 \times 1 \times 1.50 \text{ m} \times 6.0 \text{ m} \times 0.210 \text{ m} = 5.67 \text{ m}^3$$

$$3 \times 2 \times 5.50 \text{ m} \times 0.300 \text{ m} \times 1.50 \text{ m} = 14.85 \text{ m}^2$$

$$3 \times 4 \times 2.0 \text{ m} \times 0.300 \text{ m} \times 1.10 \text{ m} = 7.92 \text{ m}^3$$

tumeh

$$\frac{1}{2} \times 4 \times 6.0 \text{ m} \times 0.100 \text{ m} \times 0.100 \text{ m} = 0.36 \text{ m}^3$$

$$2 \times 1.5 \text{ m} \times 0.25 \text{ m} \times 0.6 \text{ m} = 1.35 \text{ m}^3$$

$$4 \times 0.300 \text{ m} \times 0.200 \text{ m} \times 0.600 \text{ m} = 0.54 \text{ m}^3$$

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$\frac{2}{40}$ Back filling behind abutment do ————— all comp					
$3 \times 2 \times 6 \times 1.0m \times 0.600m = 21.60m^3$					
$\frac{3}{41}$ P/V weep holes in RCC work do ——— all comp					
$3 \times 2 \times 5 = 30MB$					
$\frac{1}{42}$ $\frac{21.60 + 30}{08} = 51.60$					
$\frac{1}{43}$ $\frac{51.60 + 10}{08} = 69.75$					

Abstract of cost

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
1) const. of reference & working benchmark					
do do all comp					
QV TMB P (D) = 3.245 Km					
@ RS 10365.76/Km					RS 33637.00
2) const. of reference					
Pillar do all					
QV TMB P (D) = 3.245 Km					
@ RS 10439.14/Km					RS 34524.00
3) clearing & grubbing					
road land do all					
QV TMB P (D) = 0.97 Hect					
@ RS 51133.76/Hect					RS 49600.00
4) const. of Embankment					
1000m lead do all					
QV TMB P (D) = 1012.50 m ³					
@ RS 174.94/m ³					RS 177127.00
5) const. of Embankment					
100m lead do all					
QV TMB P (D) = 2362.50 m ³					
@ RS 58.70/m ³					RS 138679.00

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6/31) E/W in excavation for foundation — do — all					
QV TMBP (2) = 47.46 m ³					
@ RS 269.32/m ³ ————— RS 12782.00					
7/32) sand filling in found — do — all comp					
QV TMBP (2) = 4.17 m ³					
@ RS 400.59/m ³ ————— RS 1670.00					
8/34) P/V PCC misgrade in concrete — do — all					
QV TMBP (3) = 2.70 m ³					
@ RS 5938.42/m ³ ————— RS 16034.00					
9/43) S/P/P HysD bars rebar — do — all					
QV TMBP (6) = 3.043728 MT					
@ RS 45933.78/MT ————— RS 139810.00					
10/39) P/V PCC misgrade concrete — do — all comp					
QV TMBP (6) = 43.92 m ³					
@ RS 7437.55/m ³ ————— RS 326657.00					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10) Back filling behind about ment - do - all					
QVT m B P (7) = 21.60 m ³					
@ Rs 2783.48/m ³					Rs 60123.00
12) P/V weep holes in PCC work - do - all comp					
QVT m B P (7) = 30 Nos					
@ Rs 8311/cmh					Rs 2493.00
Add Gs 7, 124					993136.00
Add L: 081-1					(+) 119176.00
					9931.00
					Net - 1122243.00
30/6/2020					