

भासार मयारीपुर रोड (नथुनी मैला घउस) to
नासफ टोला

Schedule XLV-Form No. 134

MMGSY(SC)

ग्रामीण कार्य विभाग कार्य प्रमंडल-पुपरी DIVISION

कार्य अवर प्रमंडल काजपही SUB-DIVISION

MEASUREMENT BOOK

सेक्टर-रामकिशोरराम (रंजित)

2245

16/07

आमीन कार्य विभाग कार्य प्रमंडल पुपरी DIVISION
कार्य अवर प्रमंडल काजपही SUB-DIVISION

Measurement Book

No. 2245

Name of officer श्री रामकुमार सट्याची
सहायक अभियंता कार्य अवर प्रमंडल काजपही

Date of first entry _____

Date of last entry _____

1st on A/c Bill

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/W: - Construction of Road					
2 CD works with maintenance					
for Bhasat Madaripur Road					
(Nathuni Mehta house) to					
Nadaf to under mmsy					
N/Agency:- Ram Vishwas Ray at Kumbh					
vishampur, Ward No-6 Dumra					
Sitamarhi					

Agreement no- 13 SBD of 2015-20

Date of Commence:- 7-11-19

Date of Completion:- 06-11-20

RECORD MEASUREMENT

(1/2) Providing & Fixing of
working benchmark pillar

(a) working benchmark pillar

Qty = 1.6 km

(b) Reference pillar

Qty = 1.6 km

(2/2) clearing & grubbing

Continuation

2nd On A/c Bill

11

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
N/W:- Constn. of Road 2					
CD works & earth maintenance					
for Bhesar Madanpur Road					
(Nethane Mehta house) to					
Nadeb tola under MMSX					
N/Agency:- Ram Vishuadas Rai					
at Kumbhar Vishanpur					
Sitamahi					
Agreement no:- 11-19 10 SRD of 2013-20					
Date of Commence:- 7-11-19					
Date of Completion:- 6-11-2020					

Work Done

(1/6+11) Constn. of hemular Sub-					
base by providing well					
graded material etc.					
In PCC					
	12m	$\frac{(4.3+4)}{2}$		$\times 0.1m = 4.98m^3$	
	3m	$\frac{(4.45+4.4)}{2}$		$\times 0.1m = 1.32m^3$	
	15m	$\frac{(4.35+3.85)}{2}$		$\times 0.1m = 6.15m^3$	
	15m	$\frac{(3.85+3.8)}{2}$		$\times 0.1m = 5.74m^3$	
	15m	$\times 3.3m$		$\times 0.1m = 5.85m^3$	
	15m	$\frac{(3.9+3.55)}{2}$		$\times 0.1m = 5.88m^3$	

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15m \times \frac{(3.93+4.1)}{2}$			$\times 0.1m = 6.03m^2$
		$15m \times \frac{(4.1+3.9)}{2}$			$\times 0.1m = 5.92m^2$
		$15m \times \frac{(3.9+4)}{2}$			$\times 0.1m = 5.05m^2$
		$12m \times \frac{(4+3.65)}{2}$			$\times 0.1m = 4.53m^2$
		$3m \times \frac{(4.4+4.35)}{2}$			$\times 0.1m = 1.31m^2$
		$15m \times \frac{(4.35+3.9)}{2}$			$\times 0.1m = 6.11m^2$

$$15m \times \frac{(3.0 + 3.7)}{2} \times 0.1m = 5.62m^2$$
$$15m \times \frac{(3.7 + 3.3)}{2} \times 0.1m = 5.25m^2$$
$$15m \times \frac{(3.7 + 3.0)}{2} \times 0.1m = 5.62m^2$$
$$15m \times \frac{(3.0 + 3.0)}{2} \times 0.1m = 5.71m^2$$
$$15m \times \frac{(3.0 + 3.05)}{2} \times 0.1m = 5.75m^2$$
$$15m \times \frac{(3.05 + 5 + 4.4 + 5)}{4} \times 0.1m = 6.04m^2$$
$$15m \times \frac{(5 + 4.2 + 3.0)}{3} \times 0.1m = 6.5m^2$$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		15m	3.0m	0.1m	5.7m ³
		15m	(3.0 + 4.2 + 4.65)		
			4 + 4.95 + 3.85		
			12.8		
				X 0.1m = 6.36m ³	
		15m	(3.05)m	0.1m	5.77m ³
		15m	3.05m	0.1m	5.77m ³
		15m	(3.05 + 3.0)	0.1m	5.73m ³
			2		
		15m	3.0m	0.1m	5.7m ³
		15m	(3.0 + 4.15)		
			2	0.1m = 5.96m ³	
		15m	(4.1 + 3.0)	0.1m	6.22m ³
			2		
		15m	(3.0 + 3.05)	0.1m	5.01m ³
			2		
		15m	3.05m	0.1m	5.77m ³
		15m	3.0m	0.1m	5.7m ³
		15m	(3.0 + 3.0)	0.1m	5.77m ³
			2		
		15m	(3.0 + 3.05)	0.1m	5.01m ³
			2		
		15m	(3.05 + 3.0)	0.1m	5.73m ³
			2		
		15m	3.05m	0.1m	5.77m ³
		15m	(3.05 + 3.0)	0.1m	5.01m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		15m	(2.5+3.0)	0.1m	5.01m ³
		15m	2.0m	0.1m	5.73m ³
		15m	(2.35+2.5)	0.1m	5.01m ³
		15m	1.5+2.5(10)	0.1m	5.73m ³
		15m	3.0m	0.1m	5.73m ³
		15m	3.0m	0.1m	5.73m ³
		15m	3.0m	0.1m	5.73m ³
		15m	3.0m	0.1m	5.73m ³
		15m	(2.75+3.0)	0.1m	5.73m ³
		15m	(3.0+3.0)	0.1m	5.73m ³

		15m	(3.05)	0.1m	5.73m ³
		15m	(3.05+3.0)	0.1m	5.01m ³
		15m	(3.0+3.0)	0.1m	5.01m ³
		10m	(3.0+3.0)	0.1m	3.70m ³
		10m	(3.0+3.0)	0.1m	2.73.05m ³
		10m	(3.0+3.0)	0.1m	3.70m ³
		10m	(3.0+3.0)	0.1m	3.70m ³
		10m	(3.0+3.0)	0.1m	3.70m ³
		10m	(3.0+3.0)	0.1m	3.70m ³
		10m	(3.0+3.0)	0.1m	3.70m ³

(2/7+12) P/v, laying, spreading

Spec. 2 Compacting of 10.8m³

		12m	(4.3+4)	0.035m	3.74m ³
		3m	4.45m	0.035m	1m ³
		15m	(4.3+3.0)	0.035m	4.61m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15m \times \frac{(3.05+3.8)}{2}$		$\times 0.075m$	$= 4.3m^3$
		$15m \times (3.9)$		$\times 0.075m$	$= 4.38m^3$
		$15m \times \frac{(3.35+3.35)}{2}$		$\times 0.075m$	$= 4.44m^3$
		$15m \times \frac{(3.95+4.1)}{2}$		$\times 0.075m$	$= 4.53m^3$
		$15m \times \frac{(4.1+3.8)}{2}$		$\times 0.075m$	$= 4.44m^3$
		$15m \times \frac{(3.8+4)}{2}$		$\times 0.075m$	$= 4.38m^3$
		$12m \times (4+3.65)$		$\times 0.075m$	$= 3.44m^3$
		$3m \times \frac{(4.4+4.35)}{2}$		$\times 0.075m$	$= 0.98m^3$
		$15m \times \frac{(4.35+3.8)}{2}$		$\times 0.075m$	$= 4.58m^3$
		$15m \times \frac{(3.8+3.7)}{2}$		$\times 0.075m$	$= 4.21m^3$
		$15m \times \frac{(3.7+3.3)}{2}$		$\times 0.075m$	$= 3.93m^3$
		$15m \times \frac{(3.7+3.8)}{2}$		$\times 0.075m$	$= 4.21m^3$
		$15m \times \frac{(3.8+3.82)}{2}$		$\times 0.075m$	$= 4.28m^3$
		$15m \times \frac{(3.82+3.85)}{2}$		$\times 0.075m$	$= 4.31m^3$
		$15m \times \frac{(3.85+5+4.4+5)}{4}$		$\times 0.075m$	$= 5.13m^3$

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15m \times (5 + 4.2 + 3.8)$			
			3		$\times 0.675m = 4.07m^3$
		$15m \times 3.8m \times 0.675m = 4.27m^3$			
		$15m \times (3.8 + 4.2 + 4.65$			
		$+ 4 + 4.35 + 3.05)$			
			6		$\times 0.675m = 4.77m^3$
		$15m \times 3.85m \times 0.675m = 4.33m^3$			
		$15m \times 3.85m \times 0.675m = 4.33m^3$			
		$15m \times (3.85 + 3.8) \times$			
			2		$0.675m = 4.3m^3$
		$15m \times 3.8m \times 0.675m = 4.27m^3$			

		$15m \times (3.8 + 4.15)$			
			2		$\times 0.675m = 4.47m^3$
		$15m \times (4.4 + 3.9)$			
			2		$\times 0.675m = 4.66m^3$
		$15m \times (3.9 + 3.05)$			
			2		$\times 0.675m = 4.35m^3$
		$15m \times 3.85m \times 0.675m = 4.33m^3$			
		$15m \times 3.8m \times 0.675m = 4.27m^3$			
		$15m \times (3.8 + 3.9) \times$			
			2		$0.675m = 4.33m^3$
		$15m \times (3.9 + 3.8)$			
			2		$\times 0.675m = 4.35m^3$
		$15m \times (3.85 + 3.9) \times$			
			2		$0.675m = 4.35m^3$
		$15m \times 3.85m \times 0.675m = 4.33m^3$			

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
			$(3.05 + 3.3)$	$\times 0.075m$	$= 4.35m^3$
			$\div 2$		
			$(3.3 + 3.05)$	$\times 0.075m$	$= 4.35m^3$
			$\div 2$		
			$15m \times 3.05m \times 0.075m$		$= 4.33m^3$
			$15m \times (3.05 + 3.3)$	$\times 0.075m$	$= 4.35m^3$
			$\div 2$		
			$15m \times (3.3 + 3.0)$	$\times 0.075m$	$= 4.33m^3$
			$\div 2$		
			$15m \times 3.0m \times 0.075m$		$= 4.27m^3$
			$15m \times 3.0m \times 0.075m$		$= 4.27m^3$
			$15m \times 3.05m \times 0.075m$		$= 4.33m^3$
			$15m \times 3.05m \times 0.075m$		$= 4.33m^3$
			$15m \times (3.05 + 3.0)$	$\times 0.075m$	$= 4.3m^3$
			$\div 2$		
			$15m \times (3.3 + 3.05)$	$\times 0.075m$	$= 4.3m^3$
			$\div 2$		
			$15m \times 3.05m \times 0.075m$		$= 4.33m^3$
			$15m \times (3.05 + 3.3)$	$\times 0.075m$	$= 4.35m^3$
			$\div 2$		
			$15m \times (3.3 + 3.05)$	$\times 0.075m$	$= 4.35m^3$
			$\div 2$		
			$10m \times (3.75 + 3.65)$	$\times$	
			$\div 2$		
			$0.075m$		$= 2.77m^3$
			$10m \times 30m \times 3.75m$		$= 1125m^3$
			$5 \times 30m \times 3.75m$	$\times 0.075m$	$= 42.46m^3$
			$5 \times 30m \times (3.75 + 3.0)$	$\times 0.075m$	$= 42.46m^3$
			$\div 2$		
			$5 \times 30m \times (3.75 + 3.0)$	$\times 0.075m$	$= 42.46m^3$
			$\div 2$		
			$0.075m$		$= 374.07m^3$

Continuation

12-10-20
JE

12-10-20
HJE

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3/13) Length of 4m reinforcement					
Plain Cement Concrete					
Pavement of C.					
		12m x $\frac{(4.3+4)}{2}$		x 0.16m	= 7.36m ³
		3m x 4.45m		x 0.16m	= 2.13m ³
		15m x $\frac{(4.35+3.05)}{2}$		x 0.16m	= 3.0m ³
		16m x $\frac{(3.05+3.0)}{2}$		x 0.16m	= 3.10m ³
		15m x 3.0m		x 0.16m	= 3.36m ³

		15m x $\frac{(3.7+3.35)}{2}$		x 0.16m	= 3.42m ³
		15m x $\frac{(3.35+4.1)}{2}$		x 0.16m	= 3.66m ³
		15m x $\frac{(4.1+3.0)}{2}$		x 0.16m	= 3.40m ³
		15m x $\frac{(3.0+4)}{2}$		x 0.16m	= 3.36m ³
		12m x $\frac{(4+3.65)}{2}$		x 0.16m	= 7.34m ³
		3m x $\frac{(4.4+4.35)}{2}$		x 0.16m	= 2.1m ³
		15m x $\frac{(4.35+3.0)}{2}$		x 0.16m	= 3.70m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
$15m \times (3.0 + 3.7)$			2		
				$0.16m$	$= 9m^3$
$15m \times (3.7 + 3.3)$			2		
				$0.16m$	$= 8.4m^3$
$15m \times (3.7 + 3.8)$			2		
				$0.16m$	$= 9m^3$
$15m \times (3.0 + 3.02)$			2		
				$0.16m$	$= 9.14m^3$
$15m \times (3.82 + 3.85)$			2		
				$0.16m$	$= 9.2m^3$
$15m \times (3.85 + 5 + 4.4)$			5		
				$0.16m$	$= 10.95m^3$
$15m \times (5 + 4.2 + 3.8)$			3		
				$0.16m$	$= 10.4m^3$
$15m \times 3.0m \times 0.16m$					$= 9.12m^3$
$15m \times (3.8 + 4.2 + 4.65$					
$+ 4 + 4.95 + 3.85)$			6		
				$0.16m$	$= 10.18m^3$
$15m \times 3.85m \times 0.16m$					$= 9.24m^3$
$15m \times 3.95m \times 0.16m$					$= 9.24m^3$
$15m \times (3.85m + 3.8)$			2		
				$0.16m$	$= 9.18m^3$
$15m \times 3.8m \times 0.16m$					$= 9.12m^3$
$15m \times (3.8 + 4.15)$			2		
				$0.16m$	$= 9.54m^3$

Continuation

Copyright © 2006 by John Wiley & Sons, Inc.

Day
 23-10-20
 SE

27-10-20
 AB

Scanned by CamScanner

Sch. XLV-Form No. 134

Sch. XLV-Form No. 134					
Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
1/1) P/v 2 Fixing of working					
Benchmark pillar					
(a) Working benchmark					
Qty (prev) vide TMB P-6					
Qty = 1.6 Km					
@ ₹ 4374 = 48/Km				₹	6998.00
(b) Reference pillar					
Qty (prev) vide TMB P-6					
Qty = 1.6 Km					

@ ₹ 2022 = 10/Km					₹ 3235.00
(2/2) Clearing & grubbing					
Road Land etc.					
Qty (prev) vide TMB P-6					
		Qty = 1.12149			
@ ₹ 49733 = 47/Hr					₹ 55700.00
(3/3) Excavation for Road					
work in soil using manual					
means etc.					
Qty (prev) vide TMB P-6					
		Qty = 42 m ³			
@ ₹ 81 = 20/m ³					₹ 3410.00

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/4) Constn. of embankment with material obtained from borrow pit etc.					
(a) For 100m Lead					
Qty (Prov) vide TMB P-7					
Qty = 363.57 m ³					
@ ₹ 187 = 51/m ³					₹ 63298.200
(b) 100m Lead					
Qty (Prov) vide TMB P-7					
Qty = 268.10 m ³					
@ ₹ 142 = 62/m ³					₹ 38240.200

(5/5) Constn. of subgrade & earthen shoulder with approved material etc.					
Qty (Prov) vide TMB P-7					
Qty = 300 m ³					
@ ₹ 189 = 30/m ³					₹ 170451.000
(6/6+11) Constn. of granular Sub. base by providing well graded material etc.					
563.1 m ³ Qty (Prov) vide TMB P-7					
273.05 m ³ Qty vide TMB P-14					
836.15 m ³ @ ₹ 2800 = 83/m ³					₹ 2471160.000
(7/4+12) P/O, Laying, Spreading					

Continuation.

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
2 Compacting of WBM					
Wrinkle - III					
Qty vide TMS P-17					
Qty = 374.57 m ³					
@ ₹ 3518 = 22/m ³				2	1316061 = 00
(B/B) Consn of un-reinforced					
Plain Cement Concrete					
Pavement etc.					
Qty vide TMS P-21					
Qty = 428.4 m ³					

@ ₹ 8102 = 10/m³ — ₹ 3473338 = 00

(9/22) P/O 2 Fixing of typical
masonry Informatory sign
board with logo etc.

Qty (prev) vide TMS P-8

Qty = 2 No.

@ ₹ 11834 = 27/No — ₹ 23669 = 00

(10/23) Earth work in excavation
for foundation of structure
etc.

Qty (prev) vide TMS P-8

Qty = 29.8 m³

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ ₹ 261 = 50/m ³					7065 = 00
(11/24) P/v PCC M-15 Concrete					
for plain Concrete in open					
Foundation etc.					
Qty (Prev) vide TMB P-8					
Qty = 0.96 m ³					
@ ₹ 6428 = 57/m ³					18993 = 00
(12/25) P/v Concrete for plain					
Reinforced Concrete in					
open Foundation etc.					
Qty (Prev) vide TMB P-8/1					
Qty = 27.65 m ³					
@ ₹ 7034 = 46/m ³					196162 = 00
(13/26) P/v, 2 layers RCC pipe					
NP-3 for Culvert					
1000 mm dia					
Qty (Prev) vide TMB P-3					
Qty = 7.5 m					
@ ₹ 3859 = 46/m					28946 = 00
Total = ₹ 7830097 = 00					
(i) Less 10% below as per contract					(-) 783009 = 00
(ii) Less Previous Payment vide					(-) 2025681 =
TMB P-9/10					
Net = 5021407 = 00					

Continuation

For
27.10.20
JE

27.10.20
482

COP
27.10.20