

ମ.ପ ସୌକର୍ଯ୍ୟା ଟ୍ରଷ୍ଟ ଅଫ ମ୍ୟୁନିସିପାଲିଟି ଆଫିସ୍

(ମ୍ୟୁନିସିପାଲିଟି)

Schedule XLV Form No. 134.

ଜାମିନ କାର୍ଯ୍ୟ ବିଭାଗ କାର୍ଯ୍ୟ ସମ୍ପର୍କରେ ଥିବା ବିଭାଗ

ଜାମିନ କାର୍ଯ୍ୟ ବିଭାଗ କାର୍ଯ୍ୟ ସମ୍ପର୍କରେ ଥିବା ବିଭାଗ

ସମ୍ପର୍କରେ - ମାମୁଲୀ

Measurement Book

110-2322

ସମ୍ପର୍କରେ - ମାମୁଲୀ

ગ્રામીણ કાર્ય વિભાગ કાર્ય પ્રમંડલ પુરા DIVISION

કાર્ય ભવન પ્રમંડલ, નાનપુલ SUB-DIVISION

MEASUREMENT BOOK

No. 2322

Name of Officer શ્રી રામકુમાર સત્પાથી

સહાયક અભિયંત્ર કાર્ય ભવન પ્રમંડલ નાનપુલ

Date of first entry _____

Date of last entry _____

1st & Final 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: -	Restoration of Road				
	2 CD works with maintenance				
	for MD Mohan house to				
	PMHSY Road Sirsi under				
	PMHSY.				
N/Agency: -	Ankeshwar Kumar				
	Dumra, Sitamarhi				
Agreement no: -	24 SAD of 2020-21				
Date of start: -	3-07-20				

Date of Completion: - 2-10-20

Actual date of Completion: -

Measurement

Earth Work QTY Sheet

SL No.	CH	Area	Mean Area	Depth	Volume
1	0	1.357			
2	25	1.763	1.56	25	39.00 m ³
3	50	2.264	2.014	25	50.830 m ³
4	75	1.628	1.946	25	40.65 m ³
5	100	1.843	1.736	25	40.800 m ³
6	105	1.023	1.033	5	9.165 m ³
					Qty = 190.54 m ³

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Earth work qty including =					150.54 m ³
Crust +					
Reduction for crust					
				Box cutting = 0.00	
Subgrade & earthen shoulder					41.00
				WSB =	37.00
				WRM =	30.11
				PCC =	64.26
Net earth work qty =					16.41
					↓ (B)
Work Done					

~~ABSTRACT OF COST~~

(1/4) P/V & Fixing of working

Benchmark pillar

(a) Working benchmark

Qty = 0.1 km

(b) Reference pillar

Qty = 0.1 km

(2/3) clearing & grubbing

Road Land etc.

 $2 \times 105 \text{ m} \times 2 = 420 \text{ m}^2$ $420 / 10000 \text{ HA} = 0.042 \text{ HA}$

Qty Limit to 0.04 HA

Qty = 0.04 HA

(3/4) Constr. of embankment

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
width material obtained from borrow pit etc.					
Lead 1000m					
Qty wide TMB P-2					
marked (B)					
				Qty =	16.41m ³
(4/5) Constn. of Subgrade & earthen shoulder with approved material obtained from borrow pit etc.					
Qty wide TMB P-					
marked (A) x ^{30%}					
				Qty =	37.63m ³

(5/6) Constn. of transition sub base by providing well graded material etc.					
15m x 3.7m x 0.1m					5.5m ³
15m x $\frac{(3.7+4)}{2}$ x 0.1m					5.55m ³
15m x $\frac{(4+4.2)}{2}$ x 0.1m					6.15m ³
15m x $\frac{(3.9+3.8)}{2}$ x 0.1m					5.33m ³
15m x $\frac{(3.9+3.75)}{2}$ x 0.1m					5.94m ³
15m x $\frac{(3.35+3.3)}{2}$ x 0.1m					5.59m ³
15m x $\frac{(3.7+3.35)}{2}$ x 0.1m					5.58m ³

Continuation

Qty = 39.88m³Limit to 37.88m³Qty = 37.88m³

For
19-10-20
JE

For
19-10-20
MR

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6/2) P/L, Laying, Spreading					
2 Compacting Stone aggregate					
of WBM-III					
		15m x 3.7m		0.075m	4.16m ³
		15m x $\frac{(3.7+4)}{2}$		0.075m	4.33m ³
		15m x $\frac{(4+4.2)}{2}$		0.075m	4.61m ³
		15m x $\frac{3.9+3.0}{2}$		0.075m	4.33m ³
		15m x $\frac{(3.7m+3.75)}{2}$		0.075m	4.30m ³
		15m x $\frac{(3.75+3.7)}{2}$		0.075m	4.19m ³

		15m x $\frac{(3.7+3.75)}{2}$		0.075m	4.19m ³
					Q4 = 30.11m ³
					Limit to 20.41m ³

(7/2) Contn. of unreinforced

Plain cement concrete

Pavement etc.

		15m x 3.7m		0.16m	8.88m ³
		15m x $\frac{(3.7+4)}{2}$		0.16m	9.24m ³
		15m x $\frac{(4+4.2)}{2}$		0.16m	9.04m ³
		15m x $\frac{3.9+3.0}{2}$		0.16m	9.24m ³

Continuation

 Paving
 3-11-20
 JE

 RK/17
 3-11-20
 AB

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
		$15m \times \frac{(3.3+3.35)}{2}$			$\times 0.16m = 3.10m^2$
		$15m \times \frac{(3.75+3.7)}{2}$			$\times 0.16m = 8.34m^2$
		$15m \times \frac{(3.7+3.35)}{2}$			$\times 0.16m = 8.34m^2$
					$Qty = 64.26m^3$
					Limit to 60.60m ³

(9/3) Reinforced cement concrete
m-15 grade km local
stone.

① km stone.

Qty = 1 No.

(ii) 200m stone

Qty = 1 No.

(9/10) Reinforced cement
concrete m-15 grade
boundary pillar etc.

Qty = 20 No.

(10/11) P/2 Fixing of Retro
reflective Cautionary,
mandatory & informative
Sign board etc.

① 600mm circular

Qty = 4 No.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1) 900 mm equilateral triangle					
Qty = 2 No.					
(2) 600 mm x 450 mm rectangular					
Qty = 2 No.					
(11/12) P/v & laying of 2 coat of water based cement paint etc.					
2 x 145 mm x 0.1 m = 2.9 m ²					

					Limit to 20 m ²
(12/13) P/v & erecting direction & place identification etc.					
Qty = 1 No.					
(13/14) P/v & Fixing of typical masonry. Informatory sign board etc.					
Logo identification sign board = 2 No.					
Citizen information board = 2 No.					
Maintenance board = 1 No.					
					Qty = 5 No

Continuation
3-11-20
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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
ABSTRACT OF COST					
(1/2) P & D Fixing of working benchmark					
① working benchmark					
Qty vide TMB P-2					
Qty = 0.1 km					
@ ₹ 4173 = 62/km — ₹ 417 = 00					
(ii) Reference pillar					
Qty vide TMB P-2					
Qty = 0.0449					
= 0.1 km					
@ ₹ 1520 = 30/km — ₹ 153 = 00					
(2/3) clearing & grubbing Road Land etc.					
Qty vide TMB P-2					
Qty = 0.0449					
@ ₹ 43436 = 7/49 — ₹ 1380 = 00					
(3/4) Constr. of embankment with material obtained from borrow pit.					
Lead 1000 m					
Qty vide TMB P-3					
Qty = 16.41 m ³					
@ ₹ 175 = 11/m ³ — ₹ 2874 = 00					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(4/5) Constr of Subgrade &					
earthen shoulder with					
approved material obtained					
from borrow pit etc.					
Qty vide TMB P-3					
Qty = 37.63 m ³					
@ ₹ 175 = 75/m ³					₹ 6662 = 00

(5/6) Constr. of granular					
Sub-base by providing					
well graded material					
etc.					
Qty vide TMB P-3					

Qty = 37.08 m ³					
@ ₹ 2511.62/m ³					₹ 95140 = 00

(6/7) P/W, laying, spreading					
& Compacting of WBM					
work - III					
Qty vide TMB P-4					
Qty = 28.41 m ³					
@ ₹ 3057.7/m ³					₹ 86819 = 00

(7/8) Constr. of un-reinforced					
plain cement concrete					
Pavement etc.					
Qty vide TMB P-5					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	Qty = 60.60 m ²				
@ ₹ 742 = 6/m ²					₹ 448598.
(8/9) Reinforced cement Concrete					
M-15 grade Km Local					
stone etc.					
(i) Km stone					
Qty vide TMB P-5					
Qty = 1 No.					
@ ₹ 2342 = 06/m ²					₹ 234320
(ii) 200m stone					
Qty vide TMB P-5					
Qty = 1 No.					
@ ₹ 629 = 38/No.					₹ 62900
(9/10) Reinforced cement Concrete					
M-15 grade boundary pillar					
Qty vide TMB P-5					
Qty = 20 No					
@ ₹ 477 = 24/No.					₹ 95450
(10/11) P/v & Fixing of Retro-					
reflective cautionary,					
mandatory & informative					
sign board etc.					
(a) 600 mm circular					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L	B	D	
Qty vide TMS P-6					
Qty = 1 No.					
@ ₹ 4837 = 11/No. —					₹ 15350.00
(b) 300 mm equilateral 2 triangle					
Qty vide TMS P-6					
Qty = 2 No.					
@ ₹ 5484 = 02/No. —					₹ 10968.00
(c) 600 mm x 450 mm rectangular					
Qty vide TMS P-6					
Qty = 2 No.					
@ ₹ 4711 = 02/No. —					₹ 9422.00

(11/12) P/v 2 applying 2 coats of water based cement paint etc.					
Qty vide TMS P-6					
Qty = 20 m ²					
@ ₹ 820 = 00/m ² —					₹ 16417.00
(12/13) P/v 2 erecting elements 2 place reinforcement etc.					
Qty vide TMS P-6					
Qty = 1 No.					

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
@ ₹ 3211 = 04/No					₹ 3211200
(13/14) P/v & Fixing of typical					
mmhst. Information Sign					
board etc..					
Qty vide TMB P-6					
Qty = 5 No.					
@ ₹ 10996 = 86/No.					₹ 5498400
Total = ₹ 76960420					
<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	
9-11-20	9-11-20	9-11-20	9-11-20	9-11-20	
JE	JE	JE	JE	JE	