

15151

Barahi Path To Hasampur
44 Path and 1

Schedule XIV-Form No. 134

Chittam Highway, and 210571. 61814971 DIVISION

Chittam Highway, and 210571. 61814971 SUB-DIVISION

MEASUREMENT BOOK

582

24968 Vinodh Kumar Singh

Est 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.	
Name of work -					
to Hasampur					
Name of Agency -					
Kumar Singh At -					
Tasorige, Aare, ngebad					
Agreement No -					
60580/2019-2020					
Date of Commencement -					
16/01/2020					
Date of Completion -					
15/10/2020					
Date of measurement -					
10/06/2020					
work done details :-					

(1) Providing & Fixing
of working bench-
mark etc do-do-
all Comp. job.

Benchmark pillars

Qty 1 No.

Reference pillars

Qty 3 Nos.

(2) clearing and Grubb-
ing Road land etc
do-do-all Comp. job.

$$2 \times 12 \times 30 \times 3.50 = 2520 \text{ m}^2$$

$$2 \times 16 \times 30 \times 3.50 = 3360 \text{ m}^2$$

$$5880 \text{ m}^2$$

$$= 0.58 \text{ Hec.}$$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(3/3) Box Cutting Etc.					
- variation for roadway					
in soil etc do do all					
Comp job.					
					$2 \times 5 \times 30 \times 0.375 \times 0.100 = 11.25 \text{ m}^3$
					$2 \times 1 \times 20 \times 0.375 \times 0.100 = 1.50 \text{ m}^3$
					<u>12.75 m</u>
(4/7) Construction of sub-grade and earth shoulder etc do do all Comp job					
					$5 \times 30 \times 6.70 \times 0.300 = 301.50 \text{ m}^3$
Same					$4 \times 30 \times 6.70 \times 0.300 = 241.20 \text{ m}^3$
					<u>542.70 m</u>

(5/8) Construction of granular Sub-base by providing well graded material etc do do all Comp job

$$\begin{aligned}
 2 \times 30 \times 4.05 \times 0.200 &= 48.60 \text{ m}^3 \\
 1 \times 30 \times 4.05 \times 0.200 &= 24.30 \text{ m}^3 \\
 3 \times 30 \times 4.05 \times 0.200 &= 72.90 \text{ m}^3 \\
 1 \times 25 \times 4.05 \times 0.200 &= 20.25 \text{ m}^3 \\
 5 \times 30 \times 4.05 \times 0.200 &= 121.50 \text{ m}^3 \\
 1 \times 30 \times 4.05 \times 0.200 &= 24.30 \text{ m}^3 \\
 1 \times 15 \times 4.05 \times 0.200 &= 12.15 \text{ m}^3 \\
 \hline
 &324.00 \text{ m}^3
 \end{aligned}$$

Extra widening on curve

$$\begin{aligned}
 \frac{0+8}{2} \times 200 &= 6.40 \text{ m}^3 \\
 \hline
 &330.40 \text{ m}^3
 \end{aligned}$$

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(6/9) WBM Grading 3:-					
Providing laying					
Spreading and Co-					
-mpacting stone agg-					
-regate etc do-do all					
Comp. job.					
					$4 \times 30 \times 3.75 \times 0.075 = 33.75 m^3$
					$1 \times 30 \times 3.75 \times 0.075 = 8.43 m^3$
					$3 \times 30 \times 3.75 \times 0.075 = 25.31 m^3$
					$2 \times 30 \times 3.75 \times 0.075 = 16.87 m^3$
					$3 \times 30 \times 3.75 \times 0.075 = 25.31 m^3$
(2) 1 x 10 x 3.75 x 0.075 = 2.81 m ³					
					112.48 m ³

extra widening on

$$\frac{0+8}{2} \times 7 \times 0.075 = 2.10 m^3$$

$$114.58 m^3$$

(7/9) Construction of granular Sub-base by

providing well gra-

ded material etc

do-do-all Comp. job

(see Position) :-

$$2 \times 30 \times 3.75 \times 0.100 = 22.50 m^3$$

$$1 \times 30 \times 3.75 \times 0.100 = 11.25 m^3$$

$$3 \times 30 \times 3.75 \times 0.100 = 33.75 m^3$$

$$1 \times 25 \times 3.75 \times 0.100 = 9.37 m^3$$

$$1 \times 30 \times 3.75 \times 0.100 = 11.25 m^3$$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
	1	15	3.75	0.100	5.62 m ³
	1	20	3.75	0.100	7.50 m ³
					101.24 m ³
Extra widening on curve					
	$\frac{0+8}{2}$	5		0.100	2.00 m ³
					103.24 m ³
(8/9) WBM Grading 3:					
Providing laying					
Spreading and co-					
mpacting stone agg-					
-regator etc do-do do					
Comp. job.					
	2	30	3.75	0.075	16.87 m ³

	1	30	3.75	0.075	8.43 m ³
	1	25	3.75	0.075	7.03 m ³
	3	30	3.75	0.075	25.31 m ³
	1	15	3.75	0.075	4.21 m ³
	1	30	3.75	0.075	8.43 m ³
	1	20	3.75	0.075	5.62 m ³
					75.90 m ³
Extra widening on curve					
	$\frac{0+8}{2}$	8		0.075	2.40 m ³
					78.30 m ³

(9/13) Construction of cur-
reinforced plain
Cement concrete pa-
-verment etc do-do-

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
all Comp job.					
					$2 \times 30 \times 3.75 \times 0.160 = 36.00 \text{ m}^3$
					$1 \times 30 \times 3.75 \times 0.160 = 18.00 \text{ m}^3$
					$3 \times 30 \times 3.75 \times 0.160 = 54.00 \text{ m}^3$
					$1 \times 30 \times 3.75 \times 0.160 = 18.00 \text{ m}^3$
					$1 \times 25 \times 3.75 \times 0.160 = 15.00 \text{ m}^3$
					$1 \times 30 \times 3.75 \times 0.160 = 18.00 \text{ m}^3$
					$1 \times 5 \times 3.75 \times 0.160 = 3.00 \text{ m}^3$
					<u>162.00 m^3</u>
extra widening on					
Curve					
					$\frac{0+8}{2} \times 8 \times 0.160 = 5.12 \text{ m}^3$
					<u>167.12 m^3</u>

Heave Pipe Culvert					
1 x 1000 mm dia 3 Noe.					
($\frac{10}{23}$) Earthwork in excavation etc do do all					
Comp job.					
H.W	3	2	6.45	1.40	$\times 1.50 = 81.27 \text{ m}^3$
Below Pipe	3	4	8.50	1.530	$\times 0.365 = 8.12 \text{ m}^3$
					<u>89.39 m^3</u>
($\frac{11}{24}$) Provisioning Mix P.C.C					
(1:2:15:15) as levelling					
Course in foundation					
etc do do all Comp job.					
H.W	3	2	6.45	1.40	$\times 0.150 = 8.12 \text{ m}^3$
Below pipe	3	1	4.93	1.530	$\times 0.250 = 5.65 \text{ m}^3$
Continuation					<u>13.77 m^3</u>

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
($\frac{12}{26}$)	Providing and laying				
	Rec pipe HP3 for				
	Culverts etc do-do				
	all Comp. job				
	$3 \times 7.50 = 22.50m$				
($\frac{13}{27}$)	Paving reinforced				
	Cement concrete				
	etc do-do all Comp.				
	H.W $3 \times 2 \times 6.15 \times 0.825 \times 3.180 = 96.80m^3$				
	Parapet $3 \times 2 \times 6.15 \times 0.400 \times 0.600 = 9.85m^3$				
	less for pipe $3 \times 2 \times 0.7057 \times (1.230^2) \times 0.622 = 4.43m^3$				
					101.22m ³

($\frac{14}{28}$)	Construction of sub				
	grade and earthen				
	Shoulders etc do-do				
	all Comp. job.				
	$2 \times 9 \times 30 \times 1.125 \times 0.385 = 203.51m^3$				
	$2 \times 5 \times 30 \times 1.125 \times 0.285 = 79.31m^3$				
	$2 \times 1 \times 20 \times 1.125 \times 0.285 = 10.57m^3$				
	$2 \times 8 \times 30 \times 1.875 \times 0.275 = 247.50m^3$				
	$2 \times 5 \times 30 \times 1.875 \times 0.275 = 154.69m^3$				
	$2 \times 1 \times 10 \times 1.875 \times 0.275 = 10.31m^3$				
					705.88m ³

($\frac{15}{29}$) Havel shouldering :-
 laying brick Siding
 Layer on prepared

Continuation

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[illegible]

Material statement	
E/W	= 1248.58 m ³
Stone chips	= 670.19 m ³
Coarse Sand	= 231.02 m ³
Stone metal	= 233.38 m ³
Stone Screening	= 46.29 m ³
Bridge	= 10540 No.
<u>Issued</u> 10/06/2020 10/6/20	
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Continuation

Abstract of Cost

8.

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(1/1) Providing & Fixing of working benchmarks etc do do all Comp job					
Benchmarks Pillars					
1 No (vide TMBP-1)					
@ Rs 4247 = 57					Rs 4247 = 57
Reference Pillar					
3 Nos (vide TMBP-1)					
@ Rs 1927 = 49					Rs 5783 = 37
(2/2) clearing & grubbing Road level etc do do all Comp job					
0.58 Hec (vide TMBP-1)					

@ Rs 49739 = 47					Rs 28848 = 89
(3/3) Box cutting - Grease - Lion for road way in Soil etc do do all Comp job					
12.75 m ³ (vide TMBP-2)					
@ Rs 82 = 01					Rs 1045 = 62
(4/4) Construction of Sub-grade and esther shoulder etc do do all Comp job					
542.70 m ³ (vide TMBP-2)					
705.88 m ³ (vide TMBP-1)					
1248.58 m ³ @ Rs 187 = 11					Rs 236118 = 4

Continuation

Rs 276044 = 44

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
(5/8) Construction of granular Sub-base by providing well graded material etc do do all Comp. job.					
330.40 m ³ (vide TMBP-2)					
103.24 m ³ (vide TMBP-4)					
433.64 m ³ @ R. 2079 = 69 R. 9,01,836 = 77					
(6/9) WBM Grading 3: Providing laying spreading and compacting stone aggregate etc do do all Comp. job.					
114.58 m ³ (vide TMBP-3)					
78.30 m ³ (vide TMBP-4)					
192.88 m ³ @ R. 2901 = 91 R. 559720 = 40					
(7/13) Construction of reinforced plain Cement Concrete Pavement etc do do all Comp. job.					
167.12 m ³ (vide TMBP-5)					
@ R. 6142 = 02 R. 10,26,454 = 38					
(8/23) Earthwork in excavation etc do do all Comp. job.					

Continuation

R. 2764055 = 96

Sch.XLV-Form No. 134 B.F.R. 27,64,055 = 96

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
89.39 m ³ (vide TMBP-5)					
@ Rs 285 = 91					Rs 25539 = 61
($\frac{9}{24}$) Providing M ₁₀ PCC					
1:2:5:5 as levelling					
Course in foundation					
etc do do all Comp.					
13.77 m ³ (vide TMBP-5)					
@ Rs 5124 = 73					Rs 70567 = 53
($\frac{10}{26}$) Providing and lay-					
ing Red Paper MP3					
for culvert etc do do					
all Comp. job.					
22.50 m ³ (vide TMBP-6)					
@ Rs 4645 = 92					Rs 104533 = 90
($\frac{11}{25}$) Plain reinforced					
Cement Concrete etc					
do do all Comp. job.					
101.22 m ³ (vide TMBP-6)					
@ Rs 6032 = 87					Rs 6,10,647 = 10
($\frac{12}{14}$) Hand shouldering -					
laying brick Soling					
Layer on Prepared etc					
do do all Comp. job					
170 m ² (vide TMBP-7)					
@ Rs 525 = 45					Rs 89377 = 50
					Rs 36,64,720 = 70
					Sup. 36,64,721 = 70
					Rs 36,64,722 = 70
					Rs 32,98,249 = 60

Continuation

Signature
10/06/2020
JK

Signature
10/06/2020
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Allotment - 20,52,848 = 44