

MMGISY - ମିଳନିକର୍ତ୍ତା ଟଓ 40 Huda Hamilton Basini (ଶ୍ରମିକ କର୍ମୀ
-d, ଦୋକ୍ତା ଗ୍ରାମ) Block-Khudauna

Schedule XLV-Form No. 134

ସମୁଦାୟ DIVISION

ସମୁଦାୟ M. b. No-131
SUB-DIVISION 19-20

MEASUREMENT BOOK

330925/24-20

પ્રમાણિત સમયગાળા પર સરકારના મહાપુર
પ્રકાશનના કાર્યકારની સંખ્યા - 100 (સરકાર)
પ્રકાશનના કાર્યકારની સંખ્યા - 100 (સરકાર)
પ્રકાશનના કાર્યકારની સંખ્યા - 100 (સરકાર)

14.11.19

Executive Engineer
Rural Works Department
Works Division Phulparas

14.11.19

સરકારના કાર્યકારની સંખ્યા

Sch. XLV-Form No. 134

ગ્રામીણ / DIVISION

ગ્રામીણ SUB-DIVISION

Measurement Book

No. 131

19-20

Executive Engineer
Rural Works Department
Works Division Phulparas

Date of first entry

Date of last entry

MMGSY નીવાસીઓનાં T03 to Hudra Hamilam Bardi
(Suni Chand som Kie Ghar) Block - Kuntayma

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.	
1st on A/C bill.					
Name of work: Const. and Maint. of Road and CD work for T03 to Hudra Harigan Bari (Sri Chand Dom Ke Ghar)					
Agency: M/S Tadybansh Kumar Singh					
Agreement No. - 43 SBD/2019-20					
Date of Commencement - 14.11.2019					
Date of Completion - 13.11.2020					
Date of Measurement - 04.07.2020					
1. Providing and fixing logo of MMUSY project.					
Providing and fixing logo of MMUSY project					02 Nos.
Citizen information Board					02 Nos.
					04 Nos.
2. Setting out pillars					
..... etc					
8 Nos. x 1.251 km					= 10 Nos.
8 Nos x 0.502 km					= 4 Nos.
8 Nos. x 0.317 km					= 3 Nos.
8 Nos. x 0.232 km					= 2 Nos.

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8 Nos. $\times$ 0.060 km = 0.					
					Total = 19 Nos.

3. Clearing and grubbing of road land ... etc

41 $\times$ 30.0 m $\times$ 3.50 m	=	4305.00 m ²
21.0 m $\times$ 3.50 m	=	73.50 m ²
16 $\times$ 30.0 m $\times$ 3.50 m	=	1680.00 m ²
22.0 m $\times$ 3.50 m	=	77.00 m ²
10 $\times$ 30.0 m $\times$ 3.50 m	=	1050.00 m ²
17.0 m $\times$ 3.50 m	=	59.50 m ²
7 $\times$ 30.0 m $\times$ 3.50 m	=	735.00 m ²
23.0 m $\times$ 3.50 m	=	80.50 m ²

2 $\times$ 30.0 m $\times$ 3.50 m	=	2210.00 m ²
		8270.50 m ²
		= 0.82705 Hae.

4. Construction of embankment with approved material ... etc

5.25 m $\times$ 1.85 m $\times$ 0.20 m	=	1.94 m ³
4.15 m $\times$ 1.80 m $\times$ 0.25 m	=	1.87 m ³
8.70 m $\times$ 2.15 m $\times$ 0.30 m	=	5.61 m ³
6.85 m $\times$ 2.05 m $\times$ 0.25 m	=	3.51 m ³
4.90 m $\times$ 2.10 m $\times$ 0.20 m	=	2.06 m ³
		Total Qty = 14.99 m ³

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
S. Construction of embankment with approved material obtained from borrow pits.					
②	C/S	Mean	Length		
Chain	Area	C/S		Volume	
	Area				
in M	in m ²	in m ²	in m	in m ³	
0	2.64	-	-	-	
100	2.76	2.70	100	270.00	
200	2.34	2.55	100	255.00	
300	2.14	2.24	100	224.00	
400	2.24	2.15	100	219.00	
500	2.64	2.44	100	244.00	
600	2.51	2.575	100	257.50	
700	2.57	2.54	100	254.00	
800	2.78	2.675	100	267.50	
900	2.89	2.735	100	273.50	
1000	0.98	1.835	100	183.50	
1100	0.79	0.885	100	88.50	
1200	0.89	0.840	100	84.00	
1251	0.74	0.815	51	41.57	
Link Road No. (D)					
0	2.44	-	-	-	
100	2.45	2.445	100	244.50	
200	2.42	2.435	100	243.50	

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
300	2.52	2.47	100	247.00	
400	2.45	2.485	100	248.50	
500	2.54	2.495	100	249.50	
502	2.55	2.545	02	254.50 5.09	
Link Road No. (2)					
0	2.64	-	1	-	
100	2.64	2.64	100	264.00	
200	2.53	2.585	100	258.50	
300	2.62	2.535	100	253.50	
317	2.54	2.580	17	43.86	
Link Road No. (3)					
0	0.86	-	-	-	

100	0.95	0.905	100	90.50	
200	2.54	1.745	100	174.50	
233	2.68	2.610	33	86.13	

Link Road No. (4)					
0	0.79	-	-	-	
60	0.86	0.895	60	49.50	

Total = 5124.65 m²

for 100 m lead

$$80\% \text{ of } 5124.65 \text{ m}^2 = 4099.72 \text{ m}^2$$

for 1000 m lead

$$80\% \text{ of } 5124.65 \text{ m}^2 = 1024.93 \text{ m}^2$$

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
for CD work, for 2 Nos.					
5. Earth work in excavation for found.					
H.W -	2x2x	6.45m	1.40m		
				x 1.50m	2 54.18m ³
Below pipe -	2x	4.85m	1.53m		
				x 0.365m	2 5.42m ³
				Total	2 59.60m ³
7. providing MIX p/c (1:2:5:5) as levelling course					
H.W -	2x2x	6.45m	1.40m		
				x 0.150 m	2 5.42m ³
Below pipe -	2x	4.93m	1.53m		
				x 0.250 m	= 3.77m ³
					9.19m ³
8. plain cement concrete in substructure and parapet					
H.W -	2x2x	6.15m	(1.25 + 0.40)m/2		
				x 3.18 m	= 64.54m ³
Parapet -	2x2x	6.15m	0.40m		
				x 0.60m	= 5.90m ³
Leap for pipe -	2x2x	$\frac{2.2}{7 \times 4}$	1.23m		
				x 1.23m x (0.84 + 0.40)m/2	= 2.95m ³
Continuation					
Net qty					= 67.49m ³

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
9. <u>Brickling and laying</u> <u>rec</u> <u>pipe</u> <u>NP2</u> <u>1000 mm</u> <u>dia.</u>					
$2 \times 3 \times 2.50 \text{ M} = 15.00 \text{ M}$					
10. <u>Granular Sub-base with</u> <u>well graded material</u> <u>Grading-I</u> <u>metri</u>					
<u>Main Road</u> <u>50 m to 650 m</u> <u>2 600 M</u>					
$20 \times 30.0 \text{ M} \times 4.05 \text{ M} \times 0.20 \text{ M} = 486.00 \text{ M}^3$					
<u>Link Road No. (1) 0 to 502 m</u> <u>= 502 M</u>					
$16 \times 30.0 \text{ m} \times 4.05 \text{ m} \times 0.20 \text{ M} = 388.80 \text{ M}^3$					
$10.0 \text{ m} \times 4.05 \text{ m} \times 0.20 \text{ M} = 8.10 \text{ M}^3$					
$12.0 \text{ m} \times (4.05 + 4.65) \text{ m} / 2$					
$\times 0.20 \text{ M} = 10.44 \text{ M}^3$					
<u>for curve</u>					
$3 \times 2.10 \text{ m} \times (0.85 + 0.45) \text{ m} / 2$					
$\times 0.20 \text{ M} = 8.19 \text{ M}^3$					
total qty 901.53 M^3					
<u>Link Road No. (2) 0 to 314 M</u>					
$20.0 \text{ m} \times (3.65 + 3.75) \text{ m} / 2$					
$\times 0.20 \text{ M} = 14.70 \text{ M}^3$					
$9 \times 30.0 \text{ M} \times 4.05 \text{ M} \times 0.20 \text{ M} = 218.70 \text{ M}^3$					
$17.0 \text{ M} \times 4.05 \text{ M} \times 0.20 \text{ M} = 13.77 \text{ M}^3$					
$10.0 \text{ M} \times (4.05 + 4.80) \text{ m} / 2$					
$\times 0.20 \text{ M} = 8.85 \text{ M}^3$					
<u>Continuation</u> 1157.55 M^3					

24/02-20
PZ

1st
24.7.2020
PZ

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>Material statement</u>					
1. E/w	-	5124.65	m ³		
2. 53 mm to 265 mm	-	486.17	m ³		
3. 26.5 mm to 4.75 mm	-	625.08	m ³		
4. 40 mm size	-	28.71	m ³		
5. 20 mm size	-	26.51	m ³		
6. 10 mm size	-	13.84	m ³		
7. Sand	-	312.59	m ³		
<i>[Signature]</i> 04.07.2020 SR 04.07.2020 SR					

Abstract of cost

1. Providing and fixing Logo
of M.M.U.S.Y. project. ...

04 Nos. vide TMB P-1

@ 10345.69/No. — R. 41383.20

2. Setting out pillar line.

19 Nos. vide TMB P-2

@ 2533.89/No. — R. 48144.20

3. Clearing and grubbing of
road land ...

0.82705 H vide TMB P-2

@ 49174.86/1 Continuation — R. 40670.20

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. Construction of embankment with approved material					
14.99 m ³ vide TMB P-2					
@ 31.41/m ³ —					R. 471200
5. Construction of embankment with approved material obtained from borrow pit.					
for 100 m lead					
4099.72 m ³ vide TMB P-4					
@ 142.59/m ³ —					R. 584579=00
for 1000 m lead					
1024.93 m ³ vide TMB P-4					
@ 187.47/m ³ —					R. 192144200
6. Granular Sub-base with well graded material					
Cracking-I					
1157.55 m ³ vide TMB P-6					
@ 3409.49/m ³ —					R. 3946655=00
7. Earth work in excavation for found.					
59.60 m ³ vide TMB P-5					
@ 258.89/m ³ —					R. 15430200

Continuation

9. Plain Cement concrete
in Sub-structure - metz
67.49 M³ vide TMB P-5
@ 7472.49/m³ — R_c 504318200

Continuation