

ਮੇਜ਼ਮੂਰ-ਮਾਣਕੀਤ ਮਾਧਾ,

ਮਾਮਲਾ ਮੇਜ਼ਮੂਰ-ਮੇਜ਼ਮੂਰ ਮਾਧਾ ਵਿਧਾਯਾ + 0
ਮੇਜ਼ਮੂਰ

Schedule XLV-Form No. 134

ਮਾਮਲਾ **DIVISION**

ਮੇਜ਼ਮੂਰ **SUB-DIVISION**

M.6.No-191.

MEASUREMENT BOOK

19-20

ગામડિયા કોમ્પાઉન્ડ ની જમીન માપન
પાત્ર ની માપન કાર્ડ નં. 100 (પાત્ર ની)
પાત્ર ની માપન કાર્ડ નં. 100 (પાત્ર ની)
પાત્ર ની માપન કાર્ડ નં. 100 (પાત્ર ની)

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૨૩/૫/૨૦
Executive Engineer
Rural Works Department
Works Division Phulparas
23.5.2020

Sch. XLV—Form No. 134

ગામડિયા DIVISION
કોમ્પાઉન્ડ SUB-DIVISION

Measurement Book

No. 191
19.20

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૨૩/૫/૨૦
Name of Officer Executive Engineer
Rural Works Department
Works Division Phulparas
23.5.2020

Date of first entry

Date of last entry

MMGSY ની માપન કાર્ડ - નેમ નસે મોડિયા વિદ્યાલાલ નેમ નસે

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
4. Dismantling of existing structure (brick work) ... etc					
$2 \times 2 \times 3.60 \text{ m} \times 0.40 \text{ m} \times 0.60 \text{ m} =$					3.46 m^3
$2 \times 2 \times 3.60 \text{ m} \times (1.0 + 0.40) \text{ m} \times$					
$\times 2.18 \text{ m} =$					21.97 m^3
					25.43 m^3
Ceiling for pipe - $2 \times 2 \times \frac{22}{7} \times 0.53 \text{ m}$					
$\times 0.53 \text{ m} \times 0.53 \text{ m} =$					1.15 m^3
Net Qty					$= 24.28 \text{ m}^3$
5. Dismantling of structure					
Reinforced cement concrete					
... etc					

$2 \times 2 \times 3.90 \text{ m} \times 1.15 \text{ m} \times 0.50 \text{ m} =$					2.69 m^3
Limit -					0.81 m^3
6. Removing all type of hume					
pipe ... etc					
$2 \times 2 \times 2.50 \text{ m} =$					10.0 m
Limit -					5.0 m
7. Construction of embankment					
with material ... etc					
$3 \times 6.40 \text{ m} \times 1.80 \text{ m} \times 1.030 \text{ m} =$					10.37 m^3
$8 \times 4.25 \text{ m} \times 1.05 \text{ m} \times 0.30 \text{ m} =$					10.71 m^3
$7 \times 5.50 \text{ m} \times 1.35 \text{ m} \times 0.25 \text{ m} =$					12.99 m^3
					34.07 m^3
Limit -					34.05 m^3
8. Construction of embankment with					

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
approved material obtained from borrow pits.					
Chain	a/s Area	Mean c/s Area	Length	Volume	
in m	in m ²	in m ²	in m	in m ³	
0	2.20	-	-	-	
100	2.98	2.59	100	259.00	
200	1.36	2.17	100	217.00	
300	1.02	1.19	100	119.00	
400	1.86	1.44	100	144.00	
500	1.94	1.94	100	194.00	
600	2.42	2.18	100	218.00	
700	1.86	2.14	100	214.00	

800	1.94	1.90	100	190.00	
900	0.78	1.36	100	136.00	
1000	0.87	0.825	100	82.50	
1100	0.96	0.915	100	91.50	
1200	4.14	2.55	100	255.00	
1300	4.20	4.17	100	417.00	
1379	3.64	3.92	79	309.68	
Total = 2846.68 m ³					

for 100 M lead 20% of

$$2846.68 \text{ m}^3 = 2277.34 \text{ m}^3$$

for 1000 M lead 20% of

$$2846.68 \text{ m}^3 = 569.34 \text{ m}^3$$

9. Box cutting - Encavation for roadway in soil

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Be side of BES for provision of rigid Rd.					
$2 \times 10 \times 30.0m \times 0.375m \times 0.10m = 22.50m^3$					
10. Granular Sub-base with well graded material					
Cracking-I ... etc					
for rigid Rd.					
for profile correction					
$7 \times 2.40m \times 1.05m \times 0.10m = 1.76m^3$					
$12 \times 2.35m \times 1.20m \times 0.10m = 3.38m^3$					
$9 \times 3.15m \times 1.10m \times 0.075m = 2.134m^3$					

$10 \times 2.65m \times 1.15m \times 0.10m = 3.05m^3$				
$8 \times 1.90m \times 0.85m \times 0.075m = 0.97m^3$				
$4 \times 1.80m \times 0.80m \times 0.10m = 0.58m^3$				
$7 \times 2.95m \times 0.75m \times 0.10m = 1.55m^3$				
Total = 13.63m ³				

In widening -

$2 \times 10 \times 30.0m \times 0.375m \times 0.10m = 22.50m^3$				
300m	Total Qty			36.12m ³

11. Granular Sub-base with well

graded material (MSB / local grade material) ... etc for BT Portion:-

$7 \times 30.0m \times 4.05m \times 0.20m = 170.10m^3$				
$10.0m \times 4.05m \times 0.20m = 8.10m^3$				
$13 \times 30.0m \times 4.05m \times 0.20m = 315.90m^3$				

Continuation

Particulars	Details of actual measurement				Co. of area
	No.	L.	B.	D.	
$10.0m \times 4.05m \times av. 0.12m = 8.10m^3$					
$5 \times 30.0m \times 4.05m \times av. 0.20m = 121.05m^3$					
270m length					
Total qty = $623.20m^3$					

for 1000 mm dia HPC - 02 Nos.

12. Earth work in excavation

for found:

H.W. -

$$2 \times 2 \times 6.45m \times 1.40m \times 1.50m = 54.18m^3$$

Below pipe - $2 \times 2 \times 4.85m \times 1.53m$

$$\times 0.365m = 5.42m^3$$

$$\text{Total} = 59.60m^3$$

13. Providing M15 PCC (1:2:5)

as levelling course etc

$$2 \times 2 \times 6.45m \times 1.40m \times 0.15m = 5.42m^3$$

Below pipe - $2 \times 4.930m \times 1.50m$

$$\times 0.250m = 3.71m^3$$

$$\text{Total qty} = 9.13m^3$$

14. plain cement concrete in

Sub-structure M20 grade

etc

H.W. - $2 \times 2 \times 6.15m \times (1.25 + 0.40)m/2$

$$\times 3.18m = 64.54m^3$$

Parapet - $2 \times 2 \times 6.15m \times 0.40m$

$$\times 0.60m = 5.90m^3$$

legs for pipe - $2 \times 2 \times \frac{2 \times}{2 \times 4} \times 1.23m$

$$\times 1.22m \times 0.622m = 2.96m^3$$

$$\text{Net qty} = 67.48m^3$$

Continuation

Sch. XLV-Form No. 134

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
15. Providing and laying Rec pipe HP3 1000 mm dia					
HP3 -					
2 x 3 x 2.50 m = 15.00 M					
16. Supplying and providing					
HP4 300 mm dia hume pipe					
concrete					
3 x 2 x 2.50 m = 15.0 M					
1 x 3 x 2.50 m = 7.50 M					
Total = 22.50 M					

10.6.2020
JP

Material statement

1. E/W - 2846.68 m³
2. Stone Aggr.
 - i) 53 mm to 26.5 mm size - 276.92 m³ @ 362.57/m³
 - ii) 26.5 mm to 4.75 mm size - 356.04 m³ @ 404.62/m³
 - iii) 40 mm size - 28.70 m³ @ 345.22/m³
 - iv) 20 mm size - 26.90 m³ @ 456.33/m³
 - v) 10 mm size - 13.80 m³ @ 520.42/m³
3. Sand - 193.02 m³ @ 110.69/m³

10.6.2020
JP

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
Abstract of cost.					
1. Providing and fixing logs of MMMS project					
02 Nos. vide TMB P-1					
@ 10322.18/No.					Rs. 20644200
2. Setting out pillars					
11 Nos. vide TMB P-1					
@ 2520.21/No.					Rs. 27722200
3. Clearing and grubbing of road land					
0.48 H vide TMB P-1					
@ 49739.47/H					Rs. 2387500
4. Dismantling of existing structure					
24.28 m ³ vide TMB P-2					
@ 228.40/m ³					Rs. 554600
5. Dismantling of structure					
0.81 m ³ vide TMB P-2					
@ 398.64/m ³					Rs. 323200

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
6. Removing all type of hume pipe.					
5.0 m wide TMB P-2					
@ 229.83/m					R. 1149200
7. Construction of embankment with material					
34.05 m³ 34.05 m ³ wide TMB P-2					
@ 31.42/m ³					R. 1070200
8. Construction of embankment with approved material obtained from borrow pits.					
for 100 m lead					
2277.34 m ³ wide TMB P-3					
@ 142.67/m ³					R. 324908200
for 1000 m lead					
569.34 m ³ wide TMB P-3					
@ 187.51/m ³					R. 106757200
9. Box cutting - Excavation					
for roadway in soil					
22.50 m ³ wide TMB P-4					
@ 82.01/m ³					R. 1845200

Continuation

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Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
10. Granular Sub-base with well graded material					
use grading-I for rigid Rd.					
36.13 m ³ vide TMB P-4					
@ 3267.71/m ³					R. 118062.20
11. Granular Sub-base with well graded material					
use grading-I for BT Portion					
623.20 m ³ vide TMB P-5					
@ 3267.71/m ³					R. 2036437.20
12. Earth work in excavation for found.					
59.60 m ³ vide TMB P-5					
@ 281.90/m ³					R. 15609.20
13. Paving M15 PCC (1:2:5) as binding course					
9.19 m ³ vide TMB P-5					
@ 6410.26/m ³					R. 58910.20
14. Plain Cement concrete in Substructure M20 grade					
67.48 m ³ vide TMB P-5					
@ 7364.09/m ³					R. 496929.20

Continuation

Continuation