

Land Survey

Name of work - Construction of tank
 Situation of work - Governmental form works
 Agency by which work is executed -
 Date of measurement - 16/9/20
 No. and date of agreement. 34/annex/16/9/20
 (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.	
Date	5-7-21				
Date of work	16/9/20				
1. Area of field work					
land mark - small - 01 Nos					
2. Area of dry land					
field - 02 Nos					
3. Area of grassy land					
all receipts					
2 x 16 x 30 x 2 = 1920 m ²					
2 x 20 x 92 x 2 = 896 m ²					
					2800 m ² x 0.20 ft
4. Area of embankment - small					
area of embankment -					
length - 100 m					
width - 0.5 m					
area - 50 m ²					
5. Area of embankment - small					
length - 150 m					
width - 0.5 m					
area - 75 m ²					
6. Area of embankment - small					
length - 200 m					
width - 0.5 m					
area - 100 m ²					
7. Area of embankment - small					
length - 250 m					
width - 0.5 m					
area - 125 m ²					
8. Area of embankment - small					
length - 300 m					
width - 0.5 m					
area - 150 m ²					
9. Area of embankment - small					
length - 350 m					
width - 0.5 m					
area - 175 m ²					
10. Area of embankment - small					
length - 400 m					
width - 0.5 m					
area - 200 m ²					
11. Total area					
					2915 m ²

Continuation - 16/9/20

V = $\frac{\pi}{4} r^2 h$
 16/9/20
 02

Particulars	Details of actual measurement			Contents of area
	No.	A	B	
	IX	5m	9 ft	
Namayarak - Rafters & eaves bisection				
Gulam Tidore meskar forward				
namayarak				
10 4 2 3 kridha				
Age 110 - Rangoli RWB 34/ month d 5.9 m				
D. S. C. - 5.9.20				
Date of entry - 30-9-20				
1. Area of plot (boundary survey)				
Calculated				
$1 \times 2.04 \times 0.475 \times 0.075 = 0.199 m^3$				
$1 \times 15.24 \times 3.25 \times 0.075 = 4.28 m^3$				
$1 \times 15.24 \times 3.75 \times 0.075 = 7.515 m^3$				
$1 \times 12.50 \times 2.90 \times 0.075 = 3.65 m^3$				
$1 \times 27.43 \times 4.80 \times 0.075 = 8.22 m^3$				
$1 \times 8.44 \times 4.05 \times 0.075 = 2.43 m^3$				
$1 \times 29.00 \times 0.8 \times 4.16 \times 0.075 = 8.70 m^3$				
$1 \times 15.24 \times 3.75 \times 0.075 = 3.00 m^3$				
$1 \times 7.00 \times 3.75 \times 0.075 = 1.96 m^3$				
Total = $137.35 m^3$				
V.F				
30/9/20				
OS				
Marked out				
Slope area - $289 m^2$				
Sand - $52 m^3$				
Structural - $33 m^2$				
V.F				
30/9/20	Continuation			

4
Sch. XLV-Form No. 134

Particulars	Details of actual measurement			Contents of area
	No.	A	B	
1. Road surface of working bank				
width of all				
$V_{Tin} \text{ B.P. } 1 = 0.15 \text{ m}^2 \times 18.5 = 2.775 \text{ m}^3/\text{m} \rightarrow 3992 \text{ m}^3$				
2. Bank & road surface of hill				
$V_{Tin} \text{ B.P. } 2 = 2 \text{ m} \times 17.75 \text{ m}^2 \times 18.5 = 3550 \text{ m}^3$				
3. Cleared & graded ground land				
$V_{Tin} \text{ B.P. } 3 = 0.20 \text{ m} \times 15.133 = 3.0267 \text{ m}^3 \rightarrow 10229 \text{ m}^3$				
4. Cut & fill of all				
$V_{Tin} \text{ B.P. } 4 = 2.91 \text{ m}^2 \times 18.5 = 54.723 \text{ m}^3$				
5. Cut & fill of subgrade & cut of all				
$V_{Tin} \text{ B.P. } 5 = 5.70 \text{ m}^2 \times 18.5 = 84.5 \text{ m}^3 \rightarrow 10823 \text{ m}^3$				
6. Cut & fill of C.B. of all				
$V_{Tin} \text{ B.P. } 6 = 146.63 \text{ m}^2 \times 15.33 = 2281.18 \text{ m}^3$				
7. Dug dry & completely dry ground				
$V_{Tin} \text{ B.P. } 7 = 137.35 \text{ m}^3$				
8. 2188 = 2188 m^3				$\text{f } 300551 \text{ m}^3$
9. Road surface of typhoon money				
standard - - - of all				
$V_{Tin} \text{ B.P. } 9 = 2 \text{ m} \times 19.238 = 38.476 \text{ m}^3 \rightarrow 18476 \text{ m}^3$				
10. Road surface of 2-cc-300 mm				
dry surface				
$V_{Tin} \text{ B.P. } 10 = 37.50 \text{ m} \times 9.14 = 82 \text{ m}^3 \rightarrow 34906 \text{ m}^3$				
Adols 13.1 - 627 + labours 1				$\text{f } 762130 \text{ m}^3$ 99077 m^3
Adols 3.1 m ²				$\text{f } 861209 \text{ m}^3$ 15537 m^3
Loss 18.18				$\text{f } 876744 \text{ m}^3$ 159392 m^3
$\sqrt{3019.20}$				$\text{f } 719352 \text{ m}^3$

Continuation