

Name of Work —

Mirimal Bigha to 7073

Office of MMSY (SS)

**Schedule XLV Form No. 134.**

Agrovar Mirimal Engineering & Construction  
Executive Engineer

P.W.D. Works Division  
Rajauli

D. E., Rajauli SUB-DIVISION

**Measurement Book**

H.P. No - 1050

Name of work - ~~Underground work for~~  
 Situation of work - Near multi story building  
 Agency by which work is executed - Nirmaan  
 Date of measurement - ~~Engineering~~  
 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.	
Boarded Agent - Ravi Kavita / 21/					
Survey / date 11-1-29					
Date - 11-01-29					
1. Priority of existing bench					
width - 1 m					0.2 m
2. Priority of Survey of Reinforced wall					0.4 m
3. Clay embankment recorded.					
2x 1 m + 2x 0.5 m = 4.00 m or only after					
V/s 16/1/29 OC					

### Record entries

1. Dimension of existing bench		
Plinth level concrete		
$2 \times 3.50 \text{ m} \times 1.14 \text{ m} \times 0.15 = 1.20 \text{ m}^3$		
$1 \times 2 \text{ m} \times 5 \text{ m} \times 0.15 = 1.50 \text{ m}^3$		
Total = $2.70 \text{ m}^3$		
2. Dimension of survey of wall		
Li. Ke. Wd under side of wall.		
(Revised after)		
$2 \times 2 \text{ m} \times 5 \text{ m} \times 0.30 = 3.00 \text{ m}^3$		
$2 \times 2 \text{ m} \times 0.30 \times 0.30 = 0.36 \text{ m}^3$		
Total = $3.36 \text{ m}^3$		
3. Clay embankment		
$2 \times 4.20 \text{ m} \times 0.825 \text{ m} \times 2.50 = 34.86 \text{ m}^3$		

Continuation

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
<u>As stated in Ques.</u>					
1. Proving binary working bench					
$V_{TmB} P_1 = 2 \text{ m} \times 3.943 = 50 \text{ m}^3 \rightarrow 7.88 \text{ m}^3$					
2. Proving 2 story reinforced pillars					
$V_{TmB} P_1 = 4 \text{ m} \times 1.979 = 12 \text{ m}^3 \rightarrow 7.116 \text{ m}^3$					
3. Cylindrical ground level floor					
$V_{TmB} P_1 = 0.40 \text{ H} \times 0.51133 = 7.6 \text{ m}^3 \rightarrow 204.53 \text{ m}^3$					
4. Cylindrical embankment cell					
$V_{TmB} P_5 = 29.0 = 40 \text{ m}^3 \times 1.88 = 0.67 \text{ m}^3 + 54.610 = 55.28 \text{ m}^3$					
5. Baffled chamber					
$V_{TmB} P_5 = 164.5 \cdot 6.0 \text{ m}^3 \times 1.2 = 17 \text{ m}^3 \rightarrow 233.955 \text{ m}^3$					
6. Cylindrical subsoil chamber					
$V_{TmB} P_5 = 145.3 \times 5 \text{ m}^3 \times 1.89 = 89 \text{ m}^3 \rightarrow 627.592 \text{ m}^3$					
7. Circular side walls					
$V_{TmB} P_5 = 581.14 \text{ m}^3 \times 1.78 = 11 \text{ m}^2 \rightarrow 103.857 \text{ m}^3$					
8. Proving 2 floors of raft foundation					
$V_{TmB} P_5 = 21 \text{ m} \times 9.28 = 63 \text{ m}^3 \rightarrow 185.75 \text{ m}^3$					
9. Elevation for 3rd floor					
$V_{TmB} P_2 = 66.08 \text{ m}^3$					
$V_{TmB} P_3 = 103.50 \text{ m}^3$					
$\frac{169.08 \text{ m}^3}{294.272 \text{ m}^3} \rightarrow 0.57 \text{ m}^3$					
10. Proving 1st (1:2.5:5) per cent in open foundation					
$V_{TmB} P_2 = 5.47 \text{ m}^3$					
$V_{TmB} P_4 = 7.28 \text{ m}^3$					
$V_{TmB} P_4 = 23.16 \text{ m}^3$					
$\frac{35.91 \text{ m}^3}{212.92} = 99 \text{ m}^3 \rightarrow 154.16 \text{ m}^3$					
11. Proving central island					
Continuation + 186.1227 = 510.2827					

Particulars	Details of actual measurement				Contents of area
	No.	L.	B.	D.	
8. Land full cult. 18					
$V_{Tm} \times P = 14.40 m^2$					
$V_{Tm} \times P = 27.12 m^2$					
9. $\text{C}_502 + 63/m^2$		41.57 m <sup>2</sup>			\$ 208708=
10. Party 2 bigha of rice crop / ha depth ..... 300 mm full					
$V_{Tm} \times P = 37.50 m \times 912 = 33 m \times 34475 =$					
11. Party 2 bigha of rice crop / ha (G + 0.7 m depth)					
$V_{Tm} \times P = 15 m \times 1182 = 227 m \rightarrow 17808 =$					
12. Land 2 bigha N.C.A.P. boundary					
$V_{Tm} \times P = 15 m \times 3880 = 28 m \rightarrow 29155 =$					
13. Diamond of 8 bigha & round ...					
$V_{Tm} \times P = 2.7 \times 15 \times 484 = 1 m^2 \rightarrow 1209 =$					
14. Diamond of 8 bigha & round					
$V_{Tm} \times P = 1 + 3.36 m^2 \times 1093 = 44/m^2 \rightarrow 3674 =$					
15. Diamond of 8 bigha & round					
$V_{Tm} \times P = 1 + 59.41 m^2 \times 23 = 57 m^2 \rightarrow 13769 =$					
16. Removal of all types of p-fall					
$V_{Tm} \times P = 15 m \times 174 = 28 m \rightarrow 2822 =$					
17.					
Actual lab 1000 1-1			4	21699 =	
			+	2191646 =	
Actual 1200 6.5			8	260394 =	
Actual 3 P 100			8	2452040 = 22681 =	
			+	248272 =	

Sch. XLV-Form No. 134

## Continuation