

### Level Booking (Rise & Fall Method)

Station	Back-sight	Inter-mediate	Fore-sight	Rise	Fall	Reduced level	Distance	Remarks
A								
B								
C								
D								
E								
F								
G								
H								
J								
K								
L								
M								
N								
P								
Q								
R								
S								
$\Sigma$						Check B/S-F/S and Rise-Fall		
minus						Difference must be the same		
difference								

### Volume calculation from grid spot levels

Grid points (Letter or Number)		Spot leveles (RL's) at grid points	No of points on grid lines	Levels x No of corners	Area to be considered (Grid area)	Length m	Width m	Area m <sup>2</sup>	
A	1				A 1				
B	2				B 2				
C	3				* C 3				
* Hatched area in your exercise sketch									
Single squares or rectangles should be of equal size. Then area of complete grid system can be used to calculate the required volume.									
Mean Height (Sum of levels/Sum of Points)						<div></div> <div></div> <div></div>			
FGL (as per Specification)									
Height to calculate Volume									
						FGL	Total m <sup>2</sup>	Height	Volume
		Σ							