

	Reservoir Sizing
	 Annual demand for water at a particular site may be less than the total inflow, but the time distribution of demand may not match the time distribution of inflows resulting in surplus in some periods and deficit in some other periods.
	 A reservoir is a storage structure that stores water in periods of excess flow (over demand) in order to enable a regulation of the storage to best meet the specified demands.
	 The problem of reservoir sizing involves determination of the required storage capacity of the reservoir when inflows and demands in a sequence of periods are given.
2	D Nagesh Kumar, IISc Reservoir Sizing











		time t	$\left(\mathbf{R}_{t}-\mathbf{Q}_{t}+\mathbf{K}_{t-1}\right)^{+}=\mathbf{K}_{t}$	
	One work Deals	-1	3.5 - 1.0 + 0.0 = 2.5	
	Sequent Peak	2	3.5 - 3.0 + 2.5 = 3.0	
	Analyses	3	3.5 - 3.0 + 3.0 = 3.5	
- 10-6	awa far a nine period apquence	4	3.5 - 5.0 + 3.5 = 2.0	
are 1 3 3 5 8 6 7 2 and 1		5	3.5 - 8.0 + 2.0 = 0.0	
			3.5 - 6.0 + 0.0 = 0.0	
 Constant release required, <i>R</i>_i=3.5 This method does not require all the release to be not require all 		7	3.5 - 7.0 + 0.0 = 0.0	
		8	3.5 - 2.0 + 0.0 = 1.5	
		9	3.5 - 1.0 + 1.5 = 4.0	
the	the releases to be same.		3.5 - 1.0 + 4.0 = 6.5	
Stopping Criteria		2	3.5 - 3.0 + 6.5 = 7.0	
-	K, value repeats for the	3	$3.5 - 3.0 + 7.0 = 7.5 K_{g}$	
	corresponding period OR	- 4	3.5 - 5.0 + 7.5 = 6.0	
	I wice the number of periods	5	3.5 - 8.0 + 6.0 = 1.5	
		6	3.5 - 6.0 + 1.5 = 0.0 repetition b	oegins
		7	3.5 - 7.0 + 0.0 = 0.0	
	D Narach Kumar IISa	8	3.5 - 2.0 + 0.0 = 1.5	
	D Nagesh Kumar, IISc	9	35 - 10 + 15 = 40	









