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Private sector participation in Irrigation Management

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Why poor management operation and maintenance affects the nexus?

Poor MOM leads to:

- Poor Service Delivery:

- - Low yield

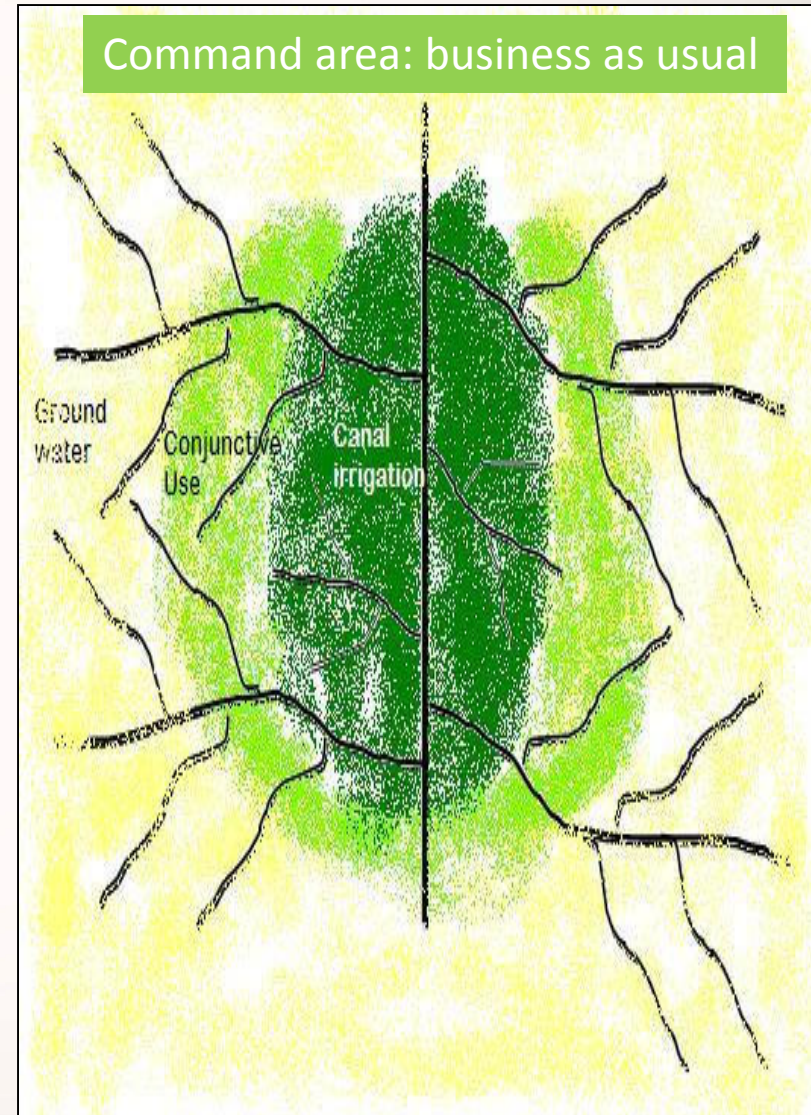
- - Water wastage

Low Water
Productivity

- - Increased Energy Use






- Low Revenue Collection

- Increased operation cost

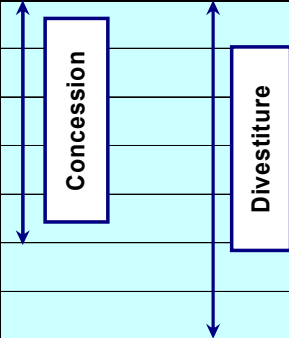
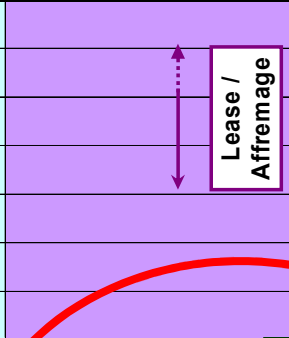
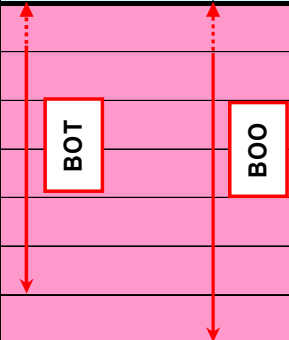
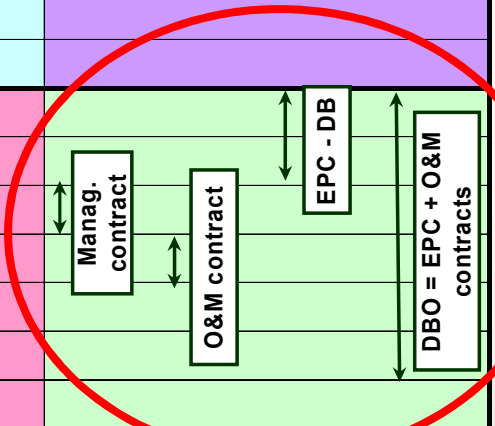


Why Public Irrigation Management remains unsuccessful?



- Irrigation Departments  Construction focus
- Public Administration  Staff turn over / no incentives.
- Public Financing  Unreliable, insufficient,
- Political interferences  Inequity
- Low accountability  Stagnation
-  Inability to apply sound management principles

How can private sector participate in irrigation management?

Origine of revenues for private operator	Functions under responsibility of private operator	Participation of private operator in investment functions ?	
		Yes	No
Services paid to the private operator by the final users (farmers) - Public Service Delegation (PSD)	Design		
	Construction		
	Operation & Maintenance		
	Ownership of O&M assets		
	Transfer of infrastructures after completion of construction		
	Ownership of infrastructures		
	Transfer of infrastructures after completion of PPP contract		
Services paid to the private operator by the Public Authority	Design		
	Construction		
	Management (staff of private operator in Public Entity)		
	Operation & Maintenance		
	Ownership of O&M assets		
	Transfer of infrastructures after completion of construction		
	Ownership of infrastructures		

Legend:

Differences between lease and affermage is in the rent paid to the Contracting Authority (lease fees: fixed rent / Affermage fees : varying on revenues collected from users)

BOT : Build Operate Transfer

BOO: Build Operate Own

Manag. Contract : Management contract

O&M Contract : Operation & Maintenance contract

EPC / DB : Engineering Procurement Construction (also called Design Build)

DBO : Design Build Operate (contract with EPC + O&M together)