

Public Private Partnerships in Real Estate

28th, Sep 2017

First and foremost...

Thank you for inviting KPMG to speak with you today



Overview



What are PPP's and Why do we need them?





What are the core Principles of PPP's?





How can we apply PPP's in Real Estate?



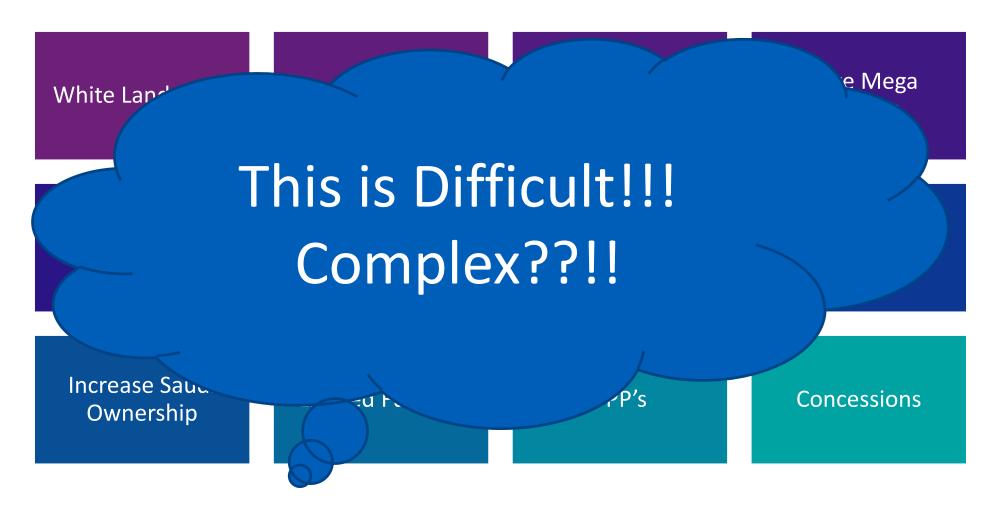


What are the Key lessons learned?





Background





Objective

Simplify

Explain Theory
with Practical
Examples

Raise
Awareness



Understanding Public Private Partnerships

What is a PPP?

- Contractual agreement between the public and the private sectors
- Private operator/investor commits to provide public services that have traditionally been financed by public institutions.
- The ultimate goal of PPPs is to obtain more "value for money"

Core Principles of PPP

- Risk allocation between the two parties.
- Redistribution of the risk to the party that is best suited to efficiently manage it

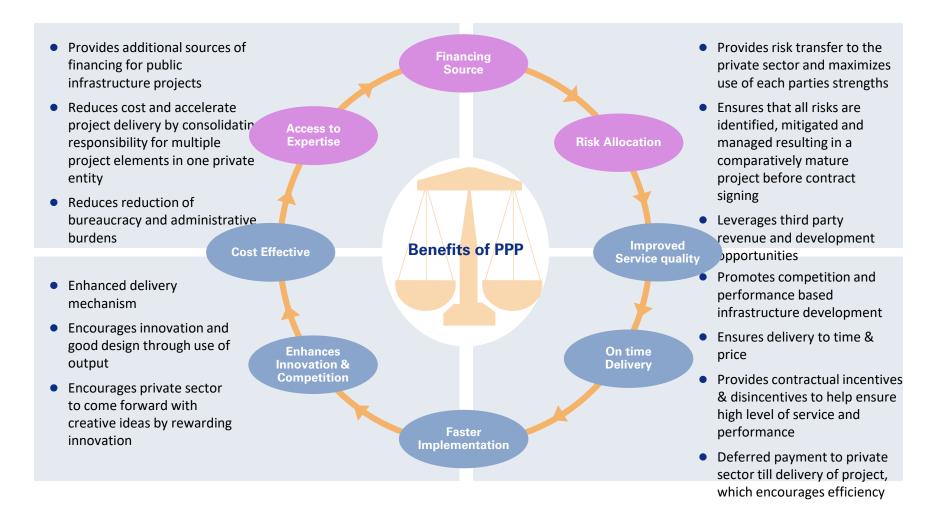


Risk Categories



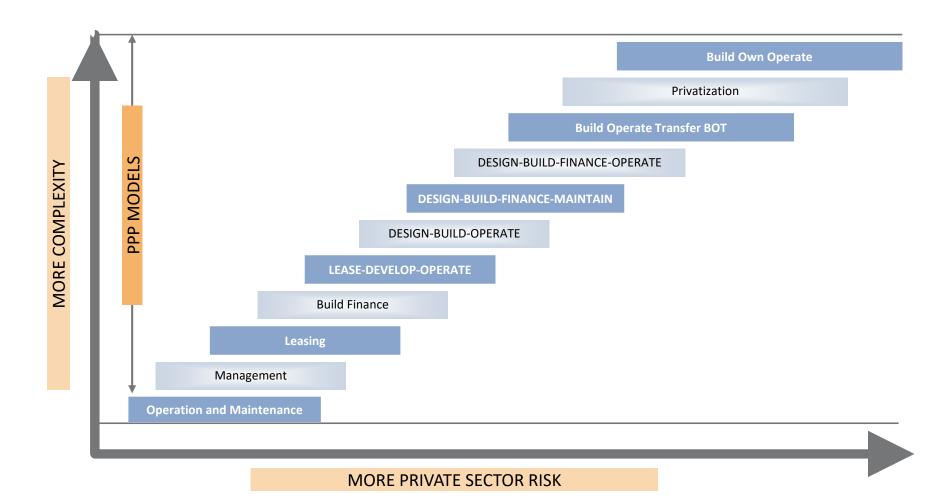


PPP Benefits





PPP - Risk Allocation & Sharing



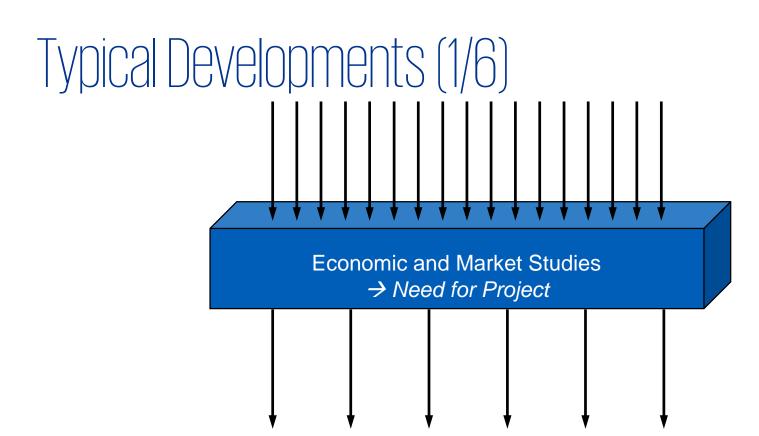


Models of PPP - Risk Mapping

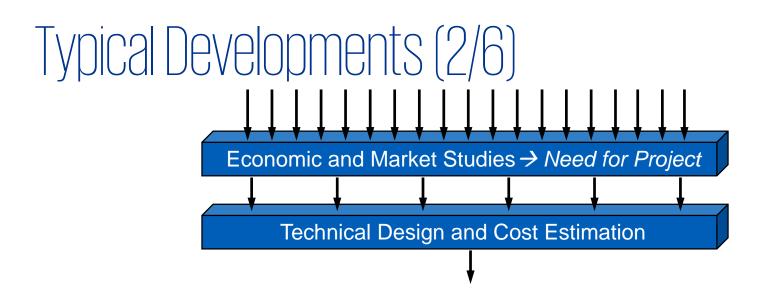
Risk Mapping					
Contracts	Operation and Maintenance	Management	Leasing	ВОТ	воо
Operation	Private	Private	Private	Private	Private
Quality	Private	Private	Private	Private	Private
Management	Government	Private	Private	Private	Private
Demand	Government	Government	Private	Government/Private	Private
Investment	Government	Government	Private	Private	Private
Residual	Government	Government	Government	Government	Private
Construction	Government	Government	Private	Private	Private
Design	Government	Government	Private	Private	Private



Why do we need PPP's?



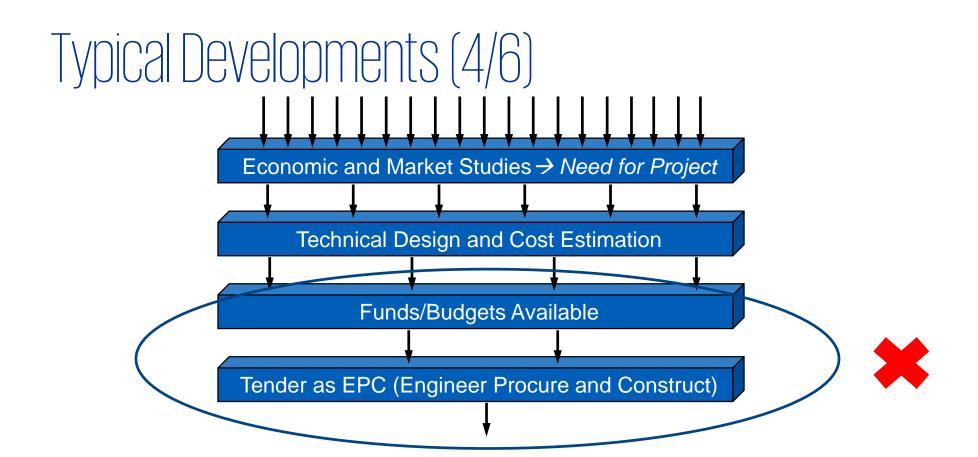




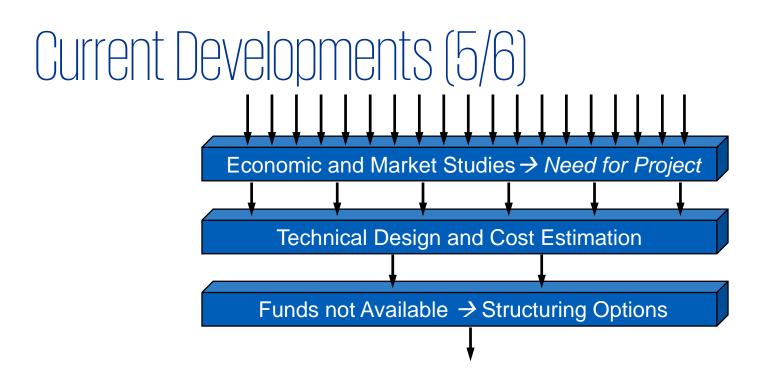


Typical Developments (3/6) Economic and Market Studies → Need for Project Technical Design and Cost Estimation Funds Available

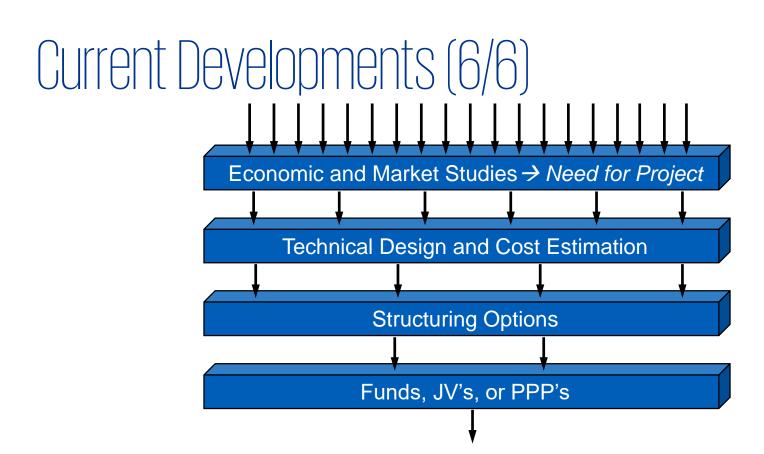














How can we apply PPP's in the Real Estate Sector?

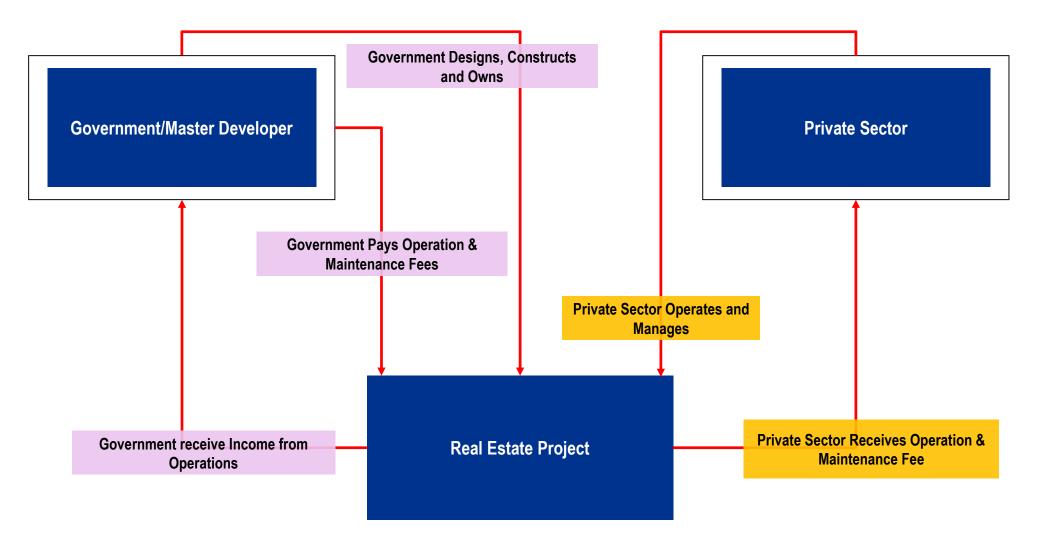
Operation and Maintenance

Operation and Maintenance

Risk	Government	Private
Operation	×	√
Quality	×	✓
Management	√	×
Demand	√	×
Investment	√	×
Residual	√	×
Construction	√	×
Design	√	×

- In an operations and maintenance contract, the operational and quality risks lie with the private sector as they are responsible for delivering the product or service to the end user.
- On the contrary, risks associated with design, construction, and investment remain with the government as it is their responsibility.
- Although the private sector will be operating the property, the demand risk remains with the government as the government is responsible to inducing demand for the product or service.

Operation and Maintenance Flowchart



Operation and Maintenance – Examples



• Residential Compounds



Office Parks

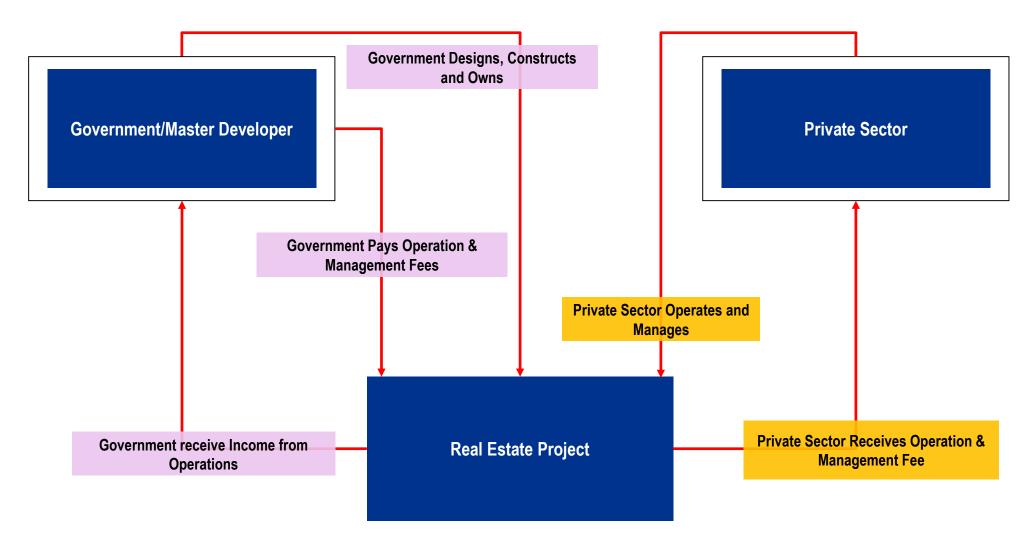
Operation and Management

Operation and Management

Risk	Government	Private
Operation	×	√
Quality	×	\checkmark
Management	×	✓
Demand	√	×
Investment	√	×
Residual	√	×
Construction	√	×
Design	√	×

- In an operations and management contract, the operational, quality, and management risks lie with the private sector as they are responsible for delivering the product or service to the end user.
- On the contrary, risks associated with design, construction, and investment remain with the government as it is their responsibility.
- Although the private sector will be operating and managing the property, the demand risk remains with the government as the government is responsible to inducing demand for the product or service.

Operation and Management Flowchart



Operation and Management – Examples



Hotels



Hospitals / Schools

Lease

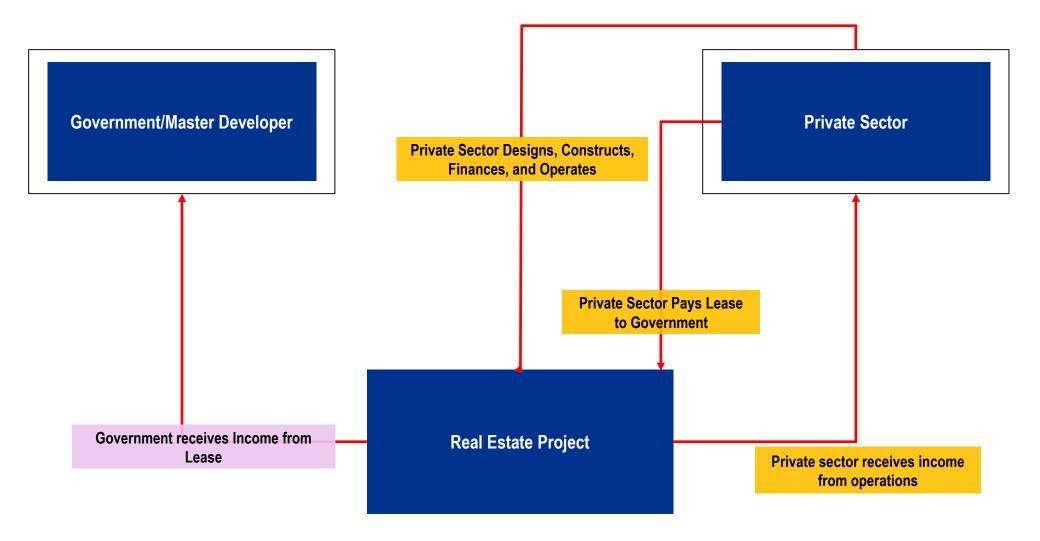
Lease

Risk	Government	Private
Operation	×	√
Quality	×	\checkmark
Management	×	\checkmark
Demand	×	\checkmark
Investment	×	√
Residual	\checkmark	×
Construction	×	√
Design	×	√

- In a lease contract, the design, construction and investment risks lie with the public sector as they are responsible for completing the construction of the Project and having it ready for third parties to lease
- On the contrary, risks associated with quality, management and operations remain with the private sector as it is their responsibility to deliver the Project's services to the end user after having received the final product from the public sector.
- The demand risk remains with the private sector as the private sector is responsible to inducing demand for the product or service. The residual risk however remains with the government as the Project is owned by the public sector



Lease Flowchart



Lease – Examples



Lands / Mixed Use



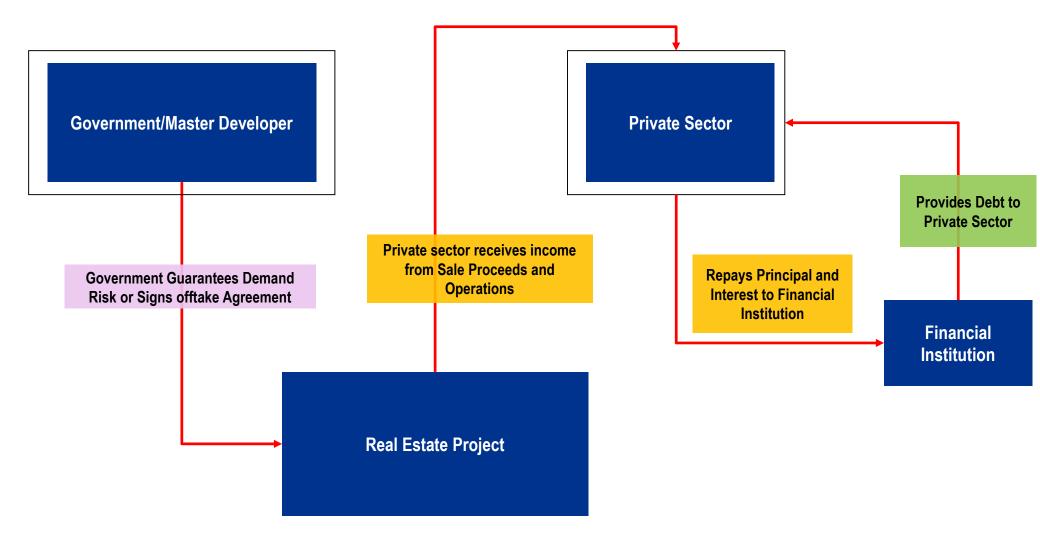
Build Own Operate

Build Own Operate

Risk	Government	Private
Operation	×	√
Quality	×	✓
Management	×	✓
Demand	√	√
Investment	×	√
Residual	×	√
Construction	×	√
Design	×	✓

- In a Build Operate and Own Contract, the private sector designs, builds, operates, and owns the development.
- The demand risk will be shared by the government and the private sector as both parties have interest in the success of the venture.

Build Own Operate Flowchart



Build Own Operate – Examples



Housing



• Lands / Mixed Use

PPP Process

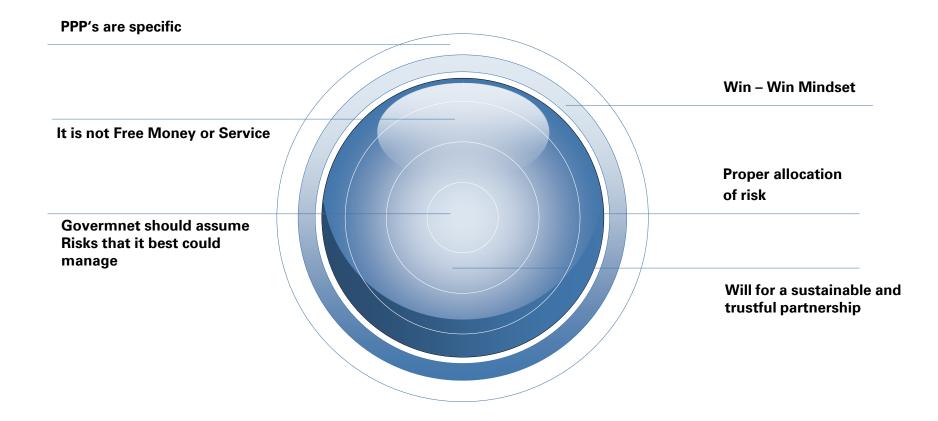
PPP Standard Process

Stage II – Stage III – Post Stage I – Pre Stage IV – Expiry **Procurement Stage Procurement Stage** of Contract **Procurement** Hand back "Transfer Procure and Engage Contract Advertise for Back" Lead Financial Management bidders Advisor Data Collection and Contract Amendment **Current State** Prequalification and Dispute Resolution Assessment (Arbitration) PPP Structuring – Develop Tender **Needs and Options** Documents and Analysis **Concession Agreements** Risk Identification and Allocation Bidding Market Study Feasibility study Evaluation •Financial Model Final Contract Engage Legal and Negotiation and **Technical Consultants** Award



PPP Lessons Learned

PPP - Lessons Learned







Thank you



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Outline

- ✓ Background
- ✓ Objective
- ✓ Understanding PPP
- ✓ Risk Categories
- ✓ PPP Benefits
- ✓ PPP Risk Allocation and Sharing
- ✓ Models of PPP Risk Mapping
- ✓ Typical Developments
- ✓ PPP Standard Process
- ✓ Lessons Learned



PPP Typical Payment Structures

Title		
Source of Payment	Sell services to consumers	Sell services to public partner only
User Charges	√	
Usage Payments		
Availability Payments		
Performance payments		
Ancillary Revenue	√	✓



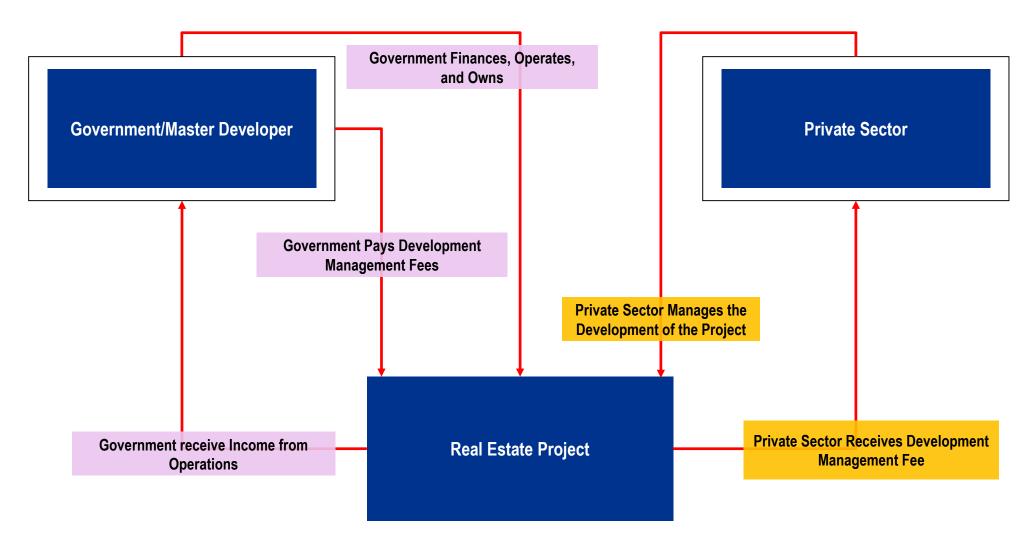
Development Management

Development Management

Risk	Government	Private
Operation	√	×
Quality	✓	×
Management	✓	×
Demand	√	×
Investment	✓	×
Residual	√	×
Construction	×	√
Design	×	√

- In an Development Management contract, the Construction and Design risks lie with the private sector as they are responsible for managing the development of the project.
- On the contrary, risks associated with investment, demand, operational, quality, and residual remain with the government as it is their responsibility.

Development Management Flowchart



Development Management – Examples



- Mixed Use
- Large Master Plans



Housing