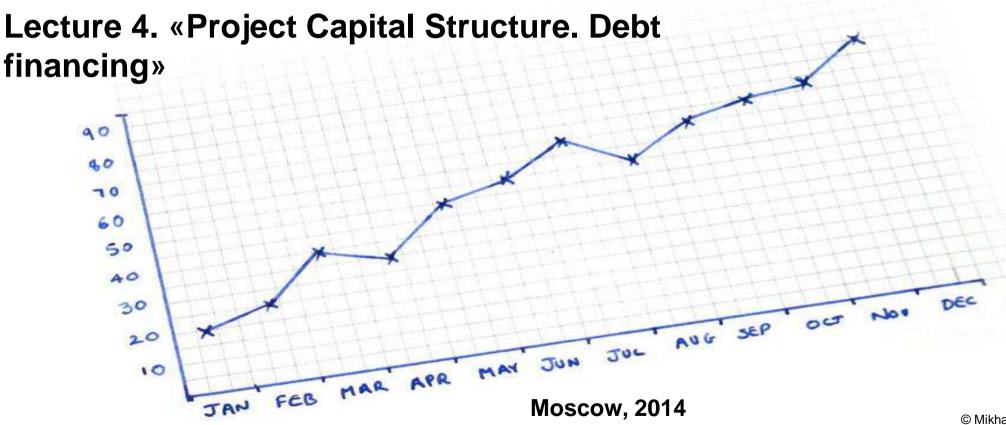
## National Research University – Higher School of Economics

# **Investment Project Management**





Equity and Debt Finance.	ity and Debt Finance. Advantages and Threats						
Equity Finance. Strengths	<ul> <li>Equity Finance. Weaknesses</li> <li>Easier (than capital) to raise in the open market;</li> <li>Tax benefits reduce the cost of financing.</li> </ul> Debt Finance. Weaknesses						
<ul> <li>Increase of financial reliability;</li> <li>Bankruptcy risk decreases;</li> <li>No credit risk, no interest rate risk.</li> </ul>							
Debt Finance. Strengths							
<ul> <li>Limited volume;</li> <li>High cost of equity for the company</li> </ul>	<ul> <li>Dangerous financial risks;</li> <li>Less return on assets created due to borrowed funds (because of charges);</li> <li>Dependence on financial markets volatility;</li> <li>The collateral is demanded.</li> </ul>						

The borrowings for the Project can be given as a:

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Investor debt finance with further Investor's participation in the equity – The Options and Warrants are signed at the Efficient date.

Special procedures with governmental authorities in order to obtain the Guarantees.

Bonds issue as a public debt instrument of Project finance – Bonds issuing is a complicated public procedure but less complicated as Bank project finance.
 Syndicated Ioan, CLN (Credit-linked Notes), LPN (Loan-Participation Notes) as a quasi-public borrowings – Less complicated procedure of lending in the open market.

The borrowings for the Project can be given as a:

Lease financing of equipment or even real estate – Gives good opportunities in tax savings and less strict procedure.

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Reward Crowdfunding through the placement of future goods/services produced by the Project – The investors buy company's future output at grace price.



#### **Full recourse financing** (to Sponsor):

Is used, as a rule, for high risk projects finance. In this case the Sponsor accepts all risks linked to the Project implementing.

#### **Non-recourse financing** (to Sponsor):

Is used, as a rule, for high yield projects finance. In this case the Lender accepts all risks linked to the Project implementing.

#### Limited recourse financing (to Sponsor):

The most used form when all the participants distribute the risks generated by the Project between themselves.

As a matter of fact any Project provides the direct participation of the Lender in the Equity or Options and Warrants in favour of Lender in case of successive Project completing.

The mandatory component of Project finance agreement – is a description of **Step in** procedure, which stipulates that in adverse conditions the Lender (or its Trustee) enters the process of Project management as an active participant.

Accompanying agreements:

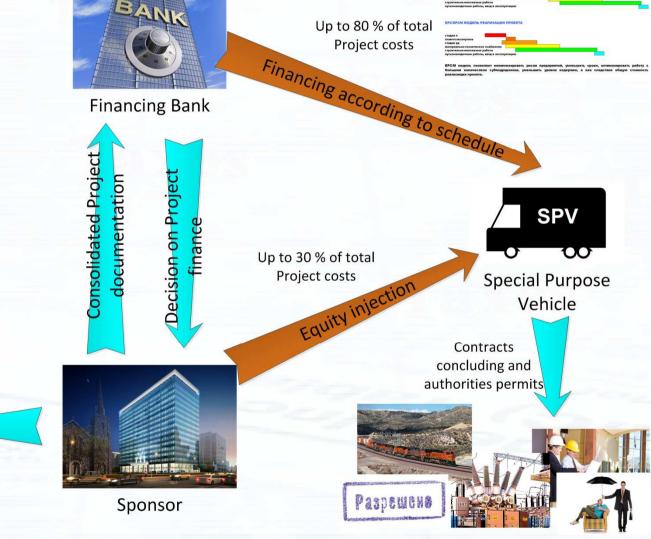
**Three-partite agreement**: Investor, Sponsor, SPV (Borrower) describes all relations and allocation of risks between parties. As well, it establishes the schedule, operational and financial covenants to the Borrower and Sponsor.

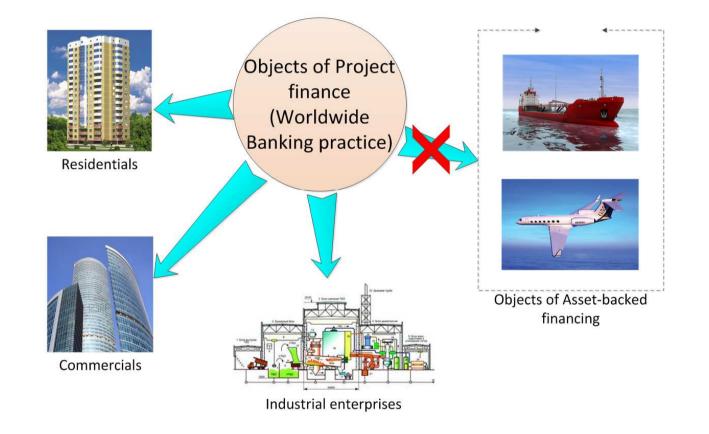
**Stand-still agreement**: the Parties do not commit any hostile actions in case of non-substantial breach of the covenants.

**Escrow-account** – is a form of the deal on acquisition of the property or Project finance. The Escrow account opened by the Bank-agent accumulates Sponsor's funds invested to the financed Project, equity formation or any other agreed inflows. Unblocking of the Escrow account is being done against producing requested documents (Bank-lender confirmation or Release, statutory documents of registered company, authorities allowances for asset alienation, Bank waiver in case of project refuse, etc.)



Engagement and prepayment of all experts, designers, etc.





# **Project Lease Financing**

**Lease financing** of the Project is one of the most conventional forms of equipment acquisition and some other assets purchasing. The Lease is an long-term rent agreement between Lessee (user) and Lessor (owner) related to tangible assets.

The lease payments are calculated with using quite complicated formula:

Total Lease Value

= Depreciation Expense + Borrowing Costs + Lessor's premium

+ VAT (for respective period)

Accounting Lease "Rise in price" («удорожание») is calculated as:

(Total Lease Value – Acquisition Price) Acquisition Price

Lease Return =

Number of years

Roughly you can quickly calculate the effective interest rate if the "Return rate" is given using the formulas:

	Acquisition amount, VAT incl., RUR.:		5 711 781,90			
	Nº n/n	Дата платежа	Сумма платежа			
For monthly/quarterly lease payments:	1	20.03.2014	1 347 622,54			
TOT MOMUNY/ quarterry rease payments.	4	21.06.2014	161 730,80			
	5	21.07.2014	161 730,80			
Effective lease interest rate	6	21.08.2014	161 730,80			
-165						
= 1,65	33	21.11.2016	161 730,80			
Dotum nato	34	21.12.2016	161 730,80			
<i>Return rate</i>	35	21.01.2017	161 730,80			
$\times$ Share of lease in the acquisition amount	36	21.02.2017	161 730,80			
shure of lease in the acquisition amount	37	21.03.2017	161 730,80			
For annual lease payments:	Tot	al	6 846 469,74			
	Return Rate	19,87% For 3 years				
ffective lease interest rate	Return Rate	6,62% For 1 year				
- 1 45 × Return rate	Effective interest rate					
	wih monthly	13,66%	6 =Return rate*1,65/0,8 (share of lease in the acquisition amount)			
$= 1,45 \times \frac{1}{Share of lease in the acquisition amount}$	payments	yments				
1999 the second se	Effective interest rate	ve interest rate		and the second se		
	wih annual payments	12,00% =Return rate*1,45/0,		,8 (share of lease in the acquisition amount		

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