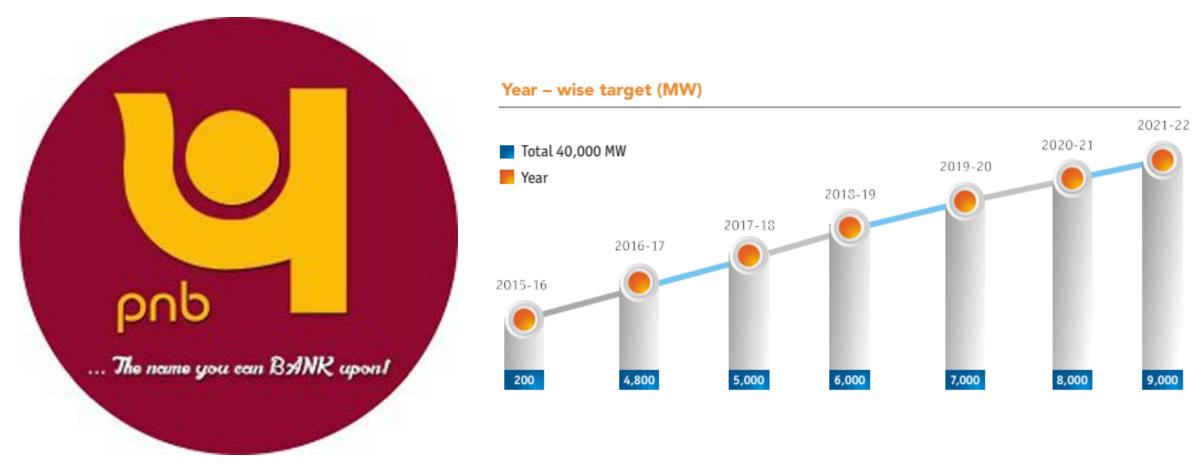




Solar Rooftop Programme by Government of India



Government of India has taken an ambitious target of 100,000 MW of solar power by 2022 out of which 40,000 MW is to be achieved through Rooftop Solar power plants as per clean climate commitments.



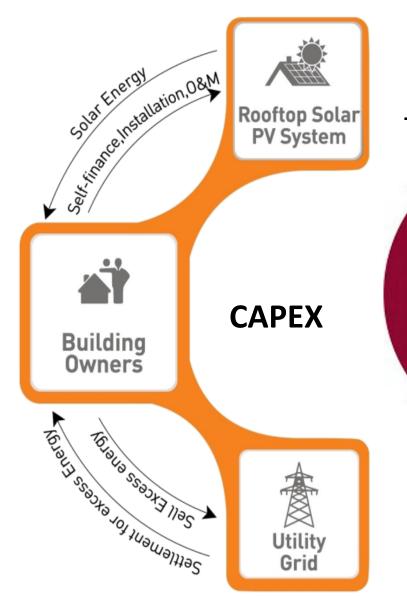
International financing partners play a catalytic role in financing the investments and launch the market. MNRE has been liasioning with World bank, ADB, New development bank for concessional loans to roof top solar power development through Bank/FI's

<u>Finar</u>	ncing agency	<u>Sector</u>	Tenure	<u>Loan</u>
				<u>amount</u>
World Bank	IBRD (International Bank	Grid connected Solar	20 years	USD 500 mio
(IBRD)	for Reconstruction and	Rooftop		
	Development)			
	CTF (Clean Technology	Grid connected Solar	40 years	USD 120 mio
	Fund)	Rooftop		
Asian Development	ADB(Asian Development	Grid connected Solar	20 years	USD 330 mio
Bank	Bank) OCR (Ordinary	Rooftop		
(ADB)	Capital Resources)			
	ADB CTF (Clean	Grid connected Solar	40 years	USD 170 mio
	Technology Fund)	Rooftop		
New Development	(NDB) New Development	Renewable Energy	20 years	USD 250 mio
Bank	Bank	Sector		
	USD1370 mio			



The main objective of ADB PNB loan programme for solar rooftop is to support the implementation of MNRE grid connected rooftop programme with a focus on financing solar rooftop systems on Commercial and Industrial buildings on standalone or aggregate basis without GOI/State Govt. subsidy.

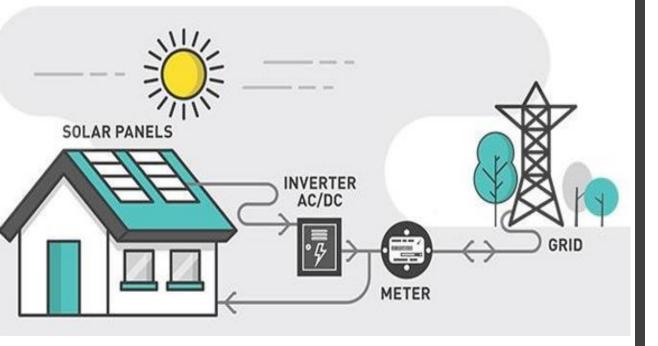
Three tranches:						
S no.	Year	Amount (mn \$)				
1.	2017	100				
2.	2019	150				
3.	2021	250				

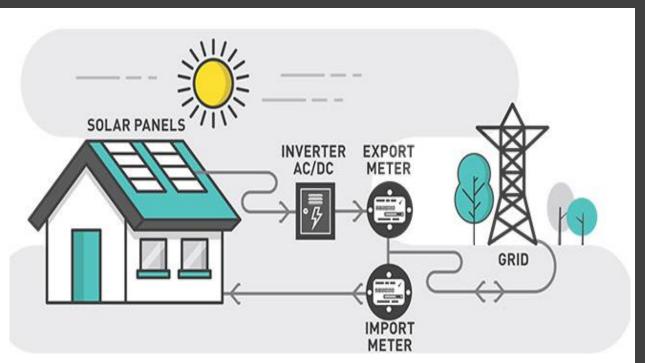


Types of Business models









Metering Arrangements

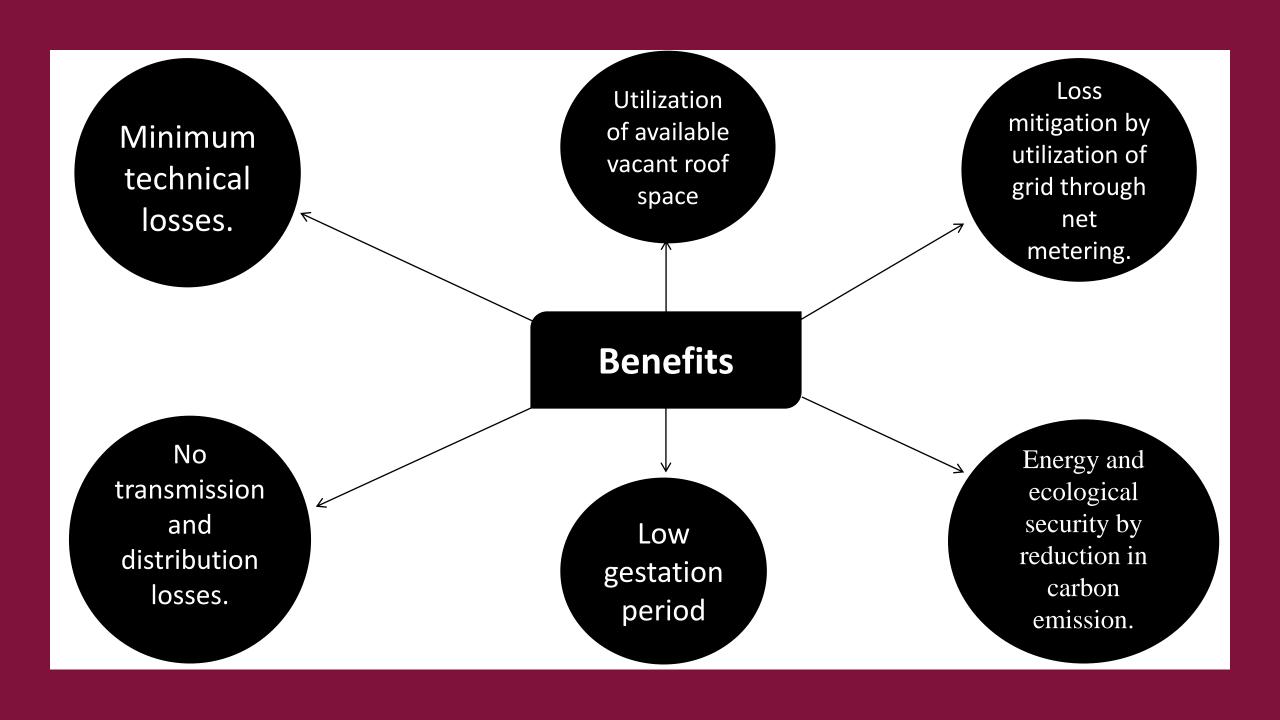
Net Metering:

The energy generated by the solar rooftop plant is first allowed for self-consumption and the excess energy is injected to the grid.



Gross Metering:

The total energy generated by the solar rooftop plant is to be injected into the grid without allowing the generated solar energy to be consumed directly by the consumer.



Salient Features Of the Scheme

Financing shall be available for Grid Connected Roof Top Solar PV projects at commercial, Industrial and Institutional buildings having unutilized rooftop space- Both Public and Private or any other structure (excluding subsidy linked projects).







The present Benchmark cost for installation of Grid Connected Solar Rooftop projects is between Rs.45,000 to Rs.60,000 per KW. The cost of Grid Connected Solar Rooftop may further vary depending upon cost of modules, inverter and mounting structure for the specific roof or as per latest notifications issued by Ministry of New & Renewable Energy (MNRE).



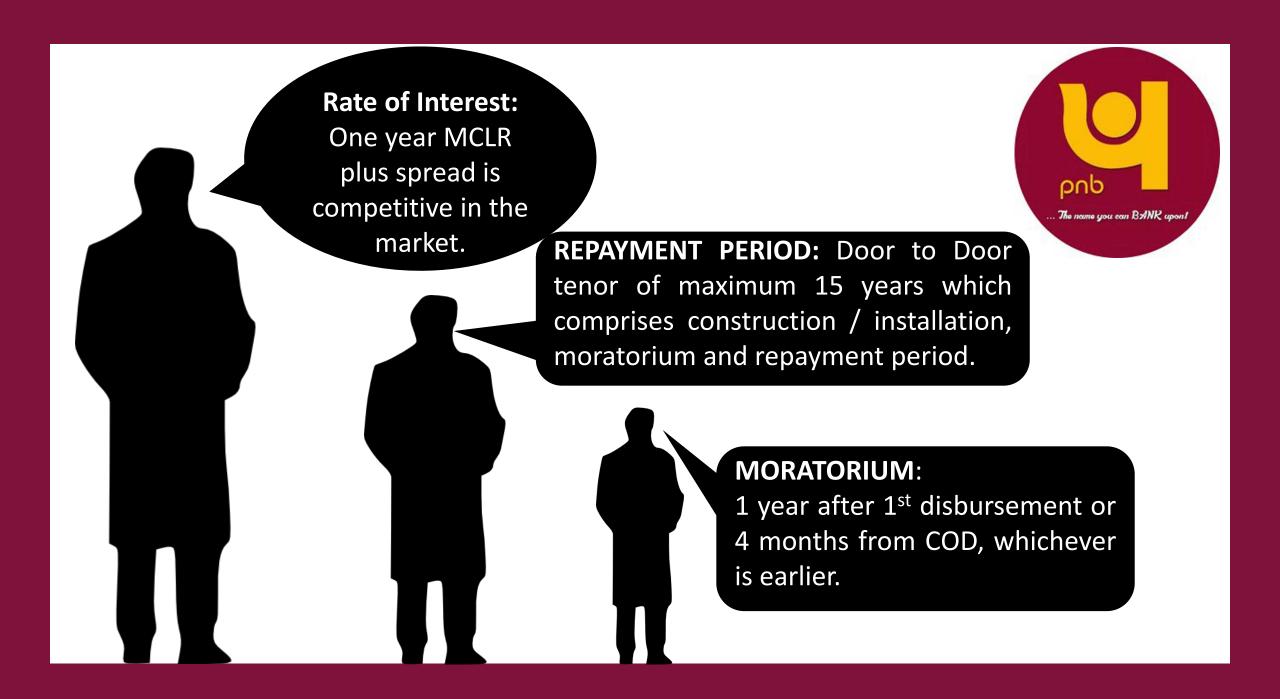
Sole proprietorship firms, partnership firms including LLP, Limited companies, Private Limited companies, Trusts, Associations, SPV, NBFCs and registered societies.





To finance Grid Connected Solar Rooftop PV projects under CAPEX and RESCO models

Margin- Minimum 30% with a suitable upfront contribution of the required margin.



marketng

PNB & ADB also participated in a sensitization and awareness programme organised by Ranchi Smart City Corporation Limited (RSCCL) on 22nd December 2017. The Event was chaired by the dignitaries from State Govt., Mayor Ranchi, RSCCL, PNB, ADB, JREDA & JBVNL. A good number of EPC Contractors/RESCO Companies and General Public attended the programme for addressing their queries.



On the eve of Lohari, Pongal & Makar Sankranti, PNB & ADB have arranged vide Media Publicity of it's financing scheme to the public through Local News Papers as per approval of TA funds given by the Sub-steering Committee (ADB/MNRE/PNB).

efforts

PNB and ADB have also carried out first round of PNB's customers and staff sensitization program in all zonal offices / key circle offices of PNB (except in Jaipur, Meerut and Lucknow zones).

Sanction/disbursement of project in the year 2018

(Amount in Crores)

	Project	Amount	Disbursment in Quarter 1	Disbursment in Quarter 2	Disbursment in Quarter 3	Disbursment in Quarter 4	Total Disbursm	
Name of Customers	Cost	Financed	Mar'18	Jun'18	Sept.'18	Dec'18	ent	Remarks
								Sanctioned &
DCM Textile Pvt ltd	4.72	3.3	3.3	0	0	0	3.3	disbursed
								Sanctioned &
Satia Industries	10.81	7.57	7.57	0	0	0	7.57	disbursed
Other Sanctioned &								Sanctioned &
Disbursed Projects	13.9	9.7	5.6	4.1			9.7	disbursed
Amplus Solar	143	100	0	44	28	28	100	Sanctioned
Cleanmax	135	101.25	0	47.6	29.5	24.15	101.25	Under Process
Adani Solar	270	200	0	74	59.2	66.8	200	Under Process
Kalthia Group	155	105	0	35	35	35	105	Under Process
Amp Solar	50	35	0	17.5	17.5	0	35	Under Process
Enerparc Solar Power Pvt. Ltd	6.5	4.55	0	4.55	0	0	4.55	Under Process
Other CAPEX Projects	100	70	0	0	0	70	70	Under Process
Total	888.93	636.37	16.47	226.75	169.2	223.95	636.37	



