TAMIL NADU ENERGY DEVELOPMENT AGENCY

Tamil Nadu Solar Energy Policy 2012

SI. No.	Description	Summary						
1.	Order	Аррі	roved by Govt. o	of Tamilnadu vide	no. GO(Ms)No.1	21/Energy(C2)	dt. 19-10-2012	
2.	Technology	Solar Power Project						
3.	Nodal Agency	Tamil Nadu Energy Development Agency (TEDA)						
4.	Objective & Target	 To achieve energy security To reduce carbon emission To project Tamil Nadu as a Solar Hub To promote Research and Development in the Solar energy sector and hybric systems To create skilled man power and employment in this area To generate 3000MW of Solar energy and achieve grid parity by 2015 						
5.	Potential	 Tamil Nadu has reasonably high Solar insolation (5.6-6.0 kWh/m²/day) with around 300 clear sunny days in a year. 						
6.	Solar Purchase Obligation (SPO)	 300 clear sunny days in a year. Tamil Nadu will mandate 6% SPO (starting with 3% till December 2013 and 6% from January 2014) for the following category consumers: (a) HT consumers (HT Tariff I to V) This category will cover all HT consumers including (i) Special Economic Zones (SEZs) (ii) Industries guaranteed with 24/7 power supply (iii) In parks, Telecom Towers (iv) All colleges & Residential Schools (v) Buildings with a built up area of 20,000 sq.m or more (b) LT Commercial (LT Tariff V) Categories exempted from SPO (i) Domestic consumers (ii) Huts (iii) Cottage and Tiny Industries (iv) Powerlooms (v) Lt industrial consumers (vi) Agricultural consumers (vi) Agricultural consumers (vi) Agricultural consumers sPO to be administered by TANGEDCO. The above obligated consumers may fulfill their SPO by: (i) Buying equivalent or more than their SPO from a third party developers (ii) Buying RECs generated by Solar Power Projects equivalent to or more than their SPO (iv) Purchasing power from TANGEDCO at Solar Tariff (v) Consumers desirous to avail SPO exemption by captive Solar generation shall necessarily install separate meters to measure their captive generation. This mechanism will require generation of 1000 MW by 2015 						
7.	Mechanism to Generate 3000MW by 2015		3000 MW of Solar power to be achieved through Utility Scale Projects, Rooftops, an under REC mechanism as follows: Year Utility Scale Solar Roof (MW) (MW) Tops (MW)					
				(a)	(b)	(c)	(a)+(b)+(c)	
			2012					
			2013	750	100	150	1000	
			2014	550	125	325	1000	
			2015	200	125	675	1000	

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8.	Renewable Energy Certificate (REC)	All the obligated entities committed to meet SPO will necessarily have to either produce Solar power (captive) or buy Solar power from Tamil Nadu Generation and Distribution Corporation Limited (TANGEDCO) or purchase Solar RE Certificates for an equivalent quantity through the Power Exchange from the Promoters who have tradable RE Certificates. Under this mechanism Solar power promoters are eligible to possess one tradable RE Certificate per every 1000 units of energy (1 MWh) wheeled to the Distribution utility or to any other licensee.				
9.	CDM Benefits	All Solar power producers are eligible to avail of the Clean Development Mechanism (CDM) benefits to enhance the viability of the projects.				
10.	Power Evacuation Facilities	Projects to evacuate power at suggested voltages:				
		Solar PV System Size	Grid Connected			
		<10kWp	240V			
		<10kWp to <15kWp	240V/415V			
		<15kWp to <50kWp	415V			
		<50kWp to <100kWp	415V			
		>100kWp	11kV			
11.	Wheeling and Banking Charges	Banking charges for wheeling of power generated from the Solar Power Projects, to the desired locations for captive use/third party sale within the State will be as per the orders of the TNERC.				
12.	Exemption from Payment of Electricity Tax	100% of electricity generated from solar power used for self consumption/sale to utility, allowed for 5 years				
13.	Tax Concession	As per TN Industrial Policy				
14.	Single Window Clearance (TEDA)	Various statutory clearances that are essential for the development and commissioning of Solar Energy Projects will be handled by TEDA in co-ordination with the concerned departments/agencies. Guaranteed single window clearance will be provided through TEDA in 30 days so that the plants can be commissioned in less than 12 months.				
15.	In-principle Clearance	Empowered Committee: An Empowered Committee under the Chairmanship of the Honourable Minister for Electricity will accord project clearances for the establishment o solar power projects to be bid out in the State				
16.	Other Promotional Schemes	 Development of Solar Parks: Utility scale Solar parks may comprise 250 MW in sizes of 1 to 5 MW, 600 MW in sizes of 5 to 10 MW and 650 MW of sizes above 10 MW. Solar Power projects will be developed through competitive/reverse bidding. Solar Parks with a capacity of about 50 MW each will be targeted in 24 districts. Net metering: - Net metering will be allowed (at multiple voltage levels) to promote rooftop penetration Net metering facility will be extended to Solar power systems installed in commercial establishments and individual homes connected to the electrical grid to feed excess power back to the grid with "power credits" accruing to the Photovoltaic energy producer. Domestic rooftop GBI: All domestic consumers will be encouraged to put up roof-top Solar installations. A generation based incentive (GBI) of Rs 2/unit for first two years, Re 1/ unit for next two years and Re 0.5/unit for subsequent 2 years will be provided for all Solar or Solar-Wind hybrid rooftops being installed before 31st march, 2014. A capacity addition of 50MW is targeted under this scheme. Consumers desirous of availing GBI shall necessarily install separate meters to measure rooftop generation. Solar water heating system: Use of Solar water heating system mandatory for new house/building/marriage halls/hotels etc by amending relevant Acts of Municipalities/Corporations Installation of Solar water heating will be made mandatory for industries having hot water boiler/steam boiler using fossil fuel. 				

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17.	Exemption from Demand cut	Exemption from demand cut to the extent of 100%of the installed capacity assigned to captive use purpose will be allowed	
18.	Facilitation by Nodal Agency	 All statutory clearances from Govt. Departments/Agencies Evacuation approval from State Transmission Utility (STU) Connectivity to the substation of STU Common clearances from TNPCB etc., whenever feasible for providing plug and play facility to Solar developers. 	
19.	Plant and Machinery	Only new plant and machinery are encouraged as per international standards. Machir and components will be approved either by MNRE, Gol or by approved test centu India / International test houses. Plant / machineries with Plant Load factor as per standards will be approved.	
20.	Incentives to Manufacturers	Appropriate tax incentives as per Tamil Nadu Industrial Policy will be provided to attract investors from India and abroad.	