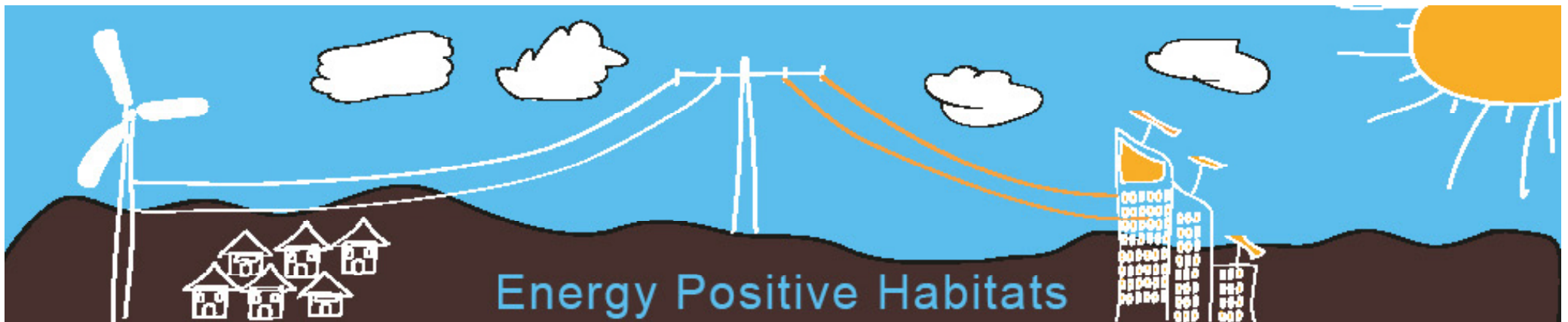


Auroville Green Practices

A Hands-on-Workshop
30 Aug to 1 Sept, 2012
Auroville (near Pondicherry)



‘Human Habitats today have become centers of energy consumption. By conserving energy with appropriate building design, reducing energy by efficient energy management and producing energy with decentralized systems that allows feeding surplus energy into the grid, we can create a shift towards energy positive habitats. Essential to this movement is the fact that humans have to change their life styles to consume less energy.’

EMERGING ENERGY POLICIES IN TAMIL NADU

K.Venugopal, Member
Tamil Nadu Electricity Regulatory
Commission

CAPACITY ADDITION (Ongoing)

SL NO	NAME OF PROJECT	CAPACITY	ALLOCATION FOR TAMIL NADU
1	Mettur Stage III	1 x 600 MW	600 MW
2	North Chennai Stage II	2 x 600 MW	1200 MW
3	Vallur (JV- TANGEDCO and NTPC)	3 x 500 MW	1040 MW
4	Tuticorin (JV – TANGEDCO and NLC)	2 x 500 MW	388 MW

CAPACITY ADDITION. (Ongoing)..Contd

SL NO	NAME OF PROJECT	CAPACITY	ALLOCATION
1	NLC Expansion	2 x 250 MW	230 MW
2	NTPC Simhadri Unit II	1 x 500 MW	95 MW
3	NPCIL Kudankulam	2 x 1000	925 MW
4	NPCIL-MAPS(PFBR)	1 x 500	167 MW

CAPACITY ADDITION. (New projects)

SL NO	NAME OF PROJECT	CAPACITY	ALLOCATION
1	Krishnapatnam UMPP	4000 MW	800 MW
2	Ennore TPS – Replacement	1 x 660 MW	660 MW
3	Ennore TPS - Expansion	1 x 660 MW	660 MW
4	Tuticorin TPS – Stage IV	1 x 800 MW	800 MW
5	Uppur TPS	2 x 800 MW	1600 MW
6	NCTPS Stage III	1 x 800 MW	800 MW
7	Ennore SEZ TPS	2 x 800 MW	1600 MW
8	Udangudi TPS Stage I	2 x 800 MW	1600 MW
9	Udangudi TPS Stage II	1 x 800 MW	800 MW
10	Cheyur UMPP	4000 MW	1600 MW

GENERATION FROM WIND & TARIFF

- Order No 6 of 2012 dated 31-07-2012 of Wind :
 - Installed capacity as on 31st March 2012 : 6971 MW
 - Applications pending for installation : 10,000 MW
 - Contribution by Wind during wind season : 30% of peak demand
 - Tariff for wind mills commissioned from 1st August 2012 upto 31st July 2014 : Rs 3.51 / unit
 - Tariff for wind mills commissioned prior to 15th May 2006 : Rs 2.75 / unit
 - Tariff for wind mills commissioned between 15th May 2006 to 18th September 2008 : Rs 2.90 / unit
 - Tariff for wind mills commissioned between 19th Sept 2008 to 31st July 2012 : Rs 3.39 / unit

STATUS OF PROPOSED 400 KV BACK BONE NETWORK FROM KAYATHAR TO OTTIYAMBAKKAM

SL NO	NAME OF WORK	COST OF SCHEME (Rs Crores)	LOI DATE	PROBABLE DATE OF COMPLETION
1	400 KV DC Line for 157 km from Karaikudi 400 KV SS to Kayathar	327.00	9 th April 2012	18 months from the date of taking over the site
2	400 KV DC line for 163 km from Karaikudi 400 KV SS to Pugalur 400 KV SS	387.81	13 TH August 2012	18 months from the date of taking over the site
3	400 KV DC Line for 148 km from Pugalur PGCIL 400 KV SS to Pandiyankuppam Village	480.50	12 th April 2012	18 months from the date of taking over the site
4	400 KV DC Line for 114 km from Pandiankuppam to Veeramanur Village	360.86	11 th June 2012	18 months from the date of taking over the site
5	400 DC Line for 123 km from Veeramanur Village to Ottiyambakkam 400 KV SS	443.04	20 TH July 2012	18 months from the date of taking over the site

TARIFF FOR BAGASSE BASED CO-GEN PLANTS

- Tariff Order No. 7 of 2012 dated 31 - 07 – 2012 for Bagasse based Co-generation plants
- Fixed costs : Ranges from Rs 2.11 / unit in the 1st year to Rs 1.79 in the 20th year
- The Commission has considered a reduction of 10% in the fixed costs for apportioning the FCC between co-gen and sugar mills for use of steam in sugar mills. Consequently, the fixed costs have been reduced to Rs 1.90 / unit in the 1st year to Rs 1.61 / unit in the 20th year.
- Variable Costs: The Commission has fixed the variable cost for the financial year 2012-13 as Rs.1.86 per unit., The price for FY 2013-14 will be decided as and when the Government announces the sugar price for the next year. The same would then be adopted by the Commission.
- Therefore, total cost for bagasse based plants for FY 2012-13 : Rs 3.76 / unit.

TARIFF FOR BIOMASS , BIOGAS PLANTS

- Tariff Order No. 8 of 2012 dated 31 - 07 – 2012 for Biomass plants

Fixed costs : Ranges from Rs 1.66 / unit in the 1st year to Rs 1.58 in the 20th year

Variable Costs: The Commission has fixed the variable cost for the financial year 2012-13 as Rs.3.036 per unit and Rs 3.188 / unit for FY 2013-14

Therefore, the total cost of biomass based plants for FY 2012-13 will be Rs 4.694 / unit.

- Tariff for biogas plants using poultry and sago waste is to be notified by the Commission

SOLAR TARIFF – PHOTOVOLTAIC

- Commission has notified tariff for Solar PV Projects covered by Jawaharlal Nehru National Solar Mission vide Order No 1 of 2010 dated 27th May 2010.
- Cost plus Single part levellised tariff for 25 years : Rs 18.45 / unit
- Net applicable tariff (on adjusting for accelerated depreciation benefit, if availed) : Rs 14.34 / unit

SOLAR TARIFF – THERMAL

- Commission has notified tariff for Solar Thermal Projects covered by Jawaharlal Nehru National Solar Mission vide Order No 2 of 2010 dated 8th July 2010
- Cost plus Single part levellised tariff for 25 years : Rs 15.51 / unit
- Net applicable tariff (on adjusting for accelerated depreciation benefit, if availed) : Rs 12.16 / unit
- The existing capacity of solar projects in Tamil Nadu : 16 MW
- As and when solar policy is released, Commission will take further action for making enabling provisions