

**Techno-Commercial
opportunities in harnessing
Solar Power
By CV Krishna**

MY MODEST UNDERSTANDING

- **Solar Energy is Cost Prohibitive.**
- **If Commercialized, it might cost Rs 9/ to Rs 11/-per Kwhr to the Consumer.**
- **Question is - shall GRIDCO or any other Co. will buy Power from us if we generate from Solar System and pump it ?**
- **Supposing they say 'NO' – can govt. or any other substantiate the Balance from the Agreed amount ? If so how?**
- **I have some immature suggestions for this House's consideration.**

The Coincidence

- What a coincidence of this date and day as 22-9-09. This Micro Group and the Group at **special summit meeting on climate change**, with about 100 world leaders expected to attend on **Sept. 22 in UN**, the day before the United Nations General Assembly begins.
- We are discussing/searching the end of the thread for a Techno-Commercial Opportunities in Harnessing Solar Power. **They are for Green Energy, where Solar Power is the back bone.**
- As we are worried for Orissa on each Watt cost of Solar and are worried about the cost economics, equally UN is also worried Globally.

The UN's Report Released on 15-9-09.

- It will cost between \$500 billion and \$600 billion every year for the next 10 years to allow developing nations to **grow using Renewable Energy Resources**, instead of relying on **Dirty Fuels** that **worsen global warming**, according to a United Nations report released Tuesday, i.e on 15-9-09.
- This comes at a time when developed and developing nations are still deeply divided over **who bears the responsibility for shouldering the expense of deploying cleaner energy resources, much less what the actual amount might be.**

The issue

- The issue of who will foot the bill remains one of the significant hurdles to reaching a global agreement on combating climate change by December in Copenhagen. Much of the focus in the talks has also been on significant emissions cuts.
- **We are also searching/pondering over issue alike.**

The opinions

- “We need a **Public Investment program** to drive this shift into cleaner energy resources,” said Rob Vos, the Director of Development Policy in the Department of Economic and Social Affairs, which produced the report,
- “The major obstacle is to convince Political Leaders and their constituencies to go in that direction.”

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- At the summit meeting of African Union leaders this week in Tripoli, Libya, members agreed to **ask the industrialized world** for \$67 billion annually, including compensation for the consequences of global warming it created, according to news reports.
- Experts said that a **Global Tax** might seem like an ideal solution on an academic level, but that it would be a nearly impossible sell in the real world. Still, the main strength of trying to get the world on the same page in terms of how to fight climate change is that it would reduce costs for everybody.

The UN Report in succinct

- The new United Nations report suggests that adapting to the effects of global warming, lowering future emissions and growing economically all need to be addressed through a global fund covering at least some of the cost from 2010 to 2020. The figure starting at \$500 billion is the cost of building the infrastructure needed in the developing world, including in giants like **India and China**, to meet their energy needs using renewable resources like **Wind and Solar**.

LET US CONCENTRATE ON ORISSA.

- It is exactly 25 years –Renewable Energy Agency has been established in Orissa- It is never given Priority as a Department.
- We have Potentials, Technical Know-How - Green Energy can be harnessed – But, What is the statuesque of Achievement –especially in Solar Energy – And why so?
- Why is that we are still in search of the end of the thread to start Commercially any Green Energy Project?
- In one SENTENCE – **IT IS THE LACK OF POLITICAL WILL & THE BUEROCRAT’S STEP MOTHER ATTITUDE. RENEWABLE ENERGY IS LOOKED DOWN AND POLICY FOR IMPLEMENTATION, DISSEMINATION ARE YET TO BE FORMULATED THOUGH NO. OF SUGGESTIONS HAVE BEEN PENDING IN GOVT. LEVEL.**

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- **The Budget for Renewable Energy is deplorable. It does not meet both ends – Even, Salary to staff is to be ploughed from Implementation, though it is not a Commercial Organization!**
- **But, there are number of outlets as solutions.**
- **For this, We all have to unite and formulate a way for such Commercialization of Solar Energy.**
- **Who are these “WE?”**
- **We = the NGOs + Commercial Houses interested to harness Solar Energy + MPs & MLAs +The Pollution Control Board + Renewable Energy Agency+ The Department of Environment + Energy Department**
- **Can there be a Forum?**

The Immediate Thoughts

- Govt.'s biggest Problem is -FUNDS
- The Govt. should provide sufficient Latitude & Longitude to the Agency for faster Implementing & Disseminating of Green Energy commercially – it does not cost Govt.
- The Agency & NGOs/Research foundations are registered under Society Act – Govt. should agree to bear a chunk of its contribution if the Agency applies for funds from ANY funding Organization.
- This share can be from LAD funds/Panchayat Raj/Rural Development/Energy Dept/Forest Dept/PSUs (under CSR)
- West Bengal has proven the success in Sundarbans by adaptation to such measures.

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Let this be a serious beginning – BMC has shown a way to us through PPP in Environment Protection - Why can't we also adapt such method?

ALL THESE, HOWEVER, NEED

1. THE GOVT'S WILL

2. POLITICIANS' COOPERATION

3. BUEROCRATES' COORDINATION

&

THE TECHNOCRATES'

**RESULTS IN IMPLEMENTATION AND
SUSTENANCE OF ANY PROJECT.**

Thank You