

Subject No: 22

Sub: VUDA - Works - Engg - Proposal for GRID Tied Solar PV Power Plant and Supply of Renewable Energy to VUDA, Visakhapatnam - Draft subject placed before VUDA Board for perusal and approval - Reg.

Ref: Proposal of M/s.Genret Energy Solutions Pvt. Ltd. Dt.28-03-2012 & 02-04-2012 and instructs of Higher Authorities.

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**Agenda Note:**

VUDA is planning to adopt Green Energy concepts for promotion of Solar / Renewable Energy systems and reduce the consumption of conventional energy as per the guidelines issued by the Government.

At this juncture M/s. Genret Energy Solutions Pvt. Ltd. has submitted a proposal for development of a Grid Tied Solar Power Plant with a capacity of 1 MW and to supply Carbon Free electricity at a discounted rate to Visakhapatnam Urban Development Authority (VUDA) for its utility in Visakhapatnam.

At present VUDA has 5 HT services at different locations - Ugyog Bhavan Complex, Children Theatre, Submarine Museum, VUDA Park and Kailasagiri. The total contracted load is 750 KVA and 1.00 Lakh units per month are being consumed on an average and the payment of CC charges working out to Rs 95.00 Lakhs per Annum (approx.)

The following are the benefits that can be derived by VUDA as per the proposal furnished above:

- A discount of 6% will be on the net bill for the Energy consumed.
- Substantial savings for VUDA over a period of 25 years.
- First of the kind project implemented in India.
- Promotion of Renewable Energy.


According to the proposal furnished, the approximate savings in the present billing amounts would be around Rs.5.60 Lakhs per Annum. The same will be substantial when compared over a period of time considering the increase in hike of tariff and power consumption (taking hike at 7% per Annum towards price of power supplied).

The firm has requested to enter a Power Purchase Agreement (PPA) to supply at discounted tariff. The project will be setup at the developer's location proposed by VUDA and the power will be wheeled through the Grid to the respective load centers. The land required for this project can be purchased by developer or can be leased out by VUDA. The complete Design, Development, Operations & Maintenance will be at the scope of developer.

Since the offer was received voluntarily from M/s. Genret Energy Solutions Pvt. Ltd. (stated that the project will be executed jointly by Sunborn and Genret as per scope of the project) and it is beneficial to VUDA in the long run, it may be permitted to take up the project under "Swiss Challenge Method" and based on the response modalities and actual methodology to be adopted in implementation of the project can be finalized.

Hence the matter is placed before VUDA Board for kind perusal and approval

  
C.E. 25/9/12

  
25/9/12  
Vice Chairman

  
Chairman

## VUDA RESOLUTION NO. 22, DT. 08-05-2012

The Board discussed the matter and resolved to obtain remarks of the technical sub-committee and put up in the next Board Meeting.



CHAIRMAN