

# SKY FUEL IS FREE

Solar Generator on Floating Platforms makes it

## Further Economical



- Saving of water due to reduced evaporation
- 16% to 18% higher production due to humidity
- Saves expensive land & terrace space
- Efficient use of shadow free space
- Low probability of tampering and theft
- Lower security & maintenance cost
- Saves cost of pumping & filtration
- Less dust accumulation on panels
- Saves auxiliary power and water
- Life of 20 / 25 yrs

For floating platform for solar projects

 **B.Algo<sup>®</sup> Solar**  
*Bridge to future energy needs*

### **Earth Is Limited :**

Earth is limited and so is the land. World population doubles every 25 yrs and land of "No use" today will be of some alternative use in coming years. Hence it is essential to preserve the land. If we can shift the land consuming projects to water bodies, it works out economical in longer run.

Moreover most of the water bodies are shadow free.

### **Higher Power Generation :**

Solar modules give best performance at 25 deg Celsius. In India at most of the locations, ambient temperatures are generally more than 25 deg Celsius. When modules are in contact with higher humidity, it gives 16 % to 18% higher production especially in dry summer. Power plants on water bodies are expected to give about 14% higher yield from the same investment.

### **Saves Evaporative losses :**

A study at GERMI has proved that 1 MW power plant can save evaporation up to 9 million liters of water per year. This is a huge saving of our national asset. More over it will eventually automatically save the power for pumping and filtration cost.

### **Less Dust Deposit:**

Since there is no land / dust surrounding the solar plant, dust accumulation on the modules is estimated to be 70% lower than ground mount project. This amounts to reduction in plant maintenance cost.

### **No Infrastructure Cost :**

Land projects are associated with development cost for compound wall / fencing , street lights, rain water drains, water storage tanks etc. Floating power plants do not incur these costs.

### **No security cost :**

Since the plant is surrounded by water, there is no special security required for the same. This reduces major part of the recurring monthly expenditure on plant maintenance.

### **Saves Auxiliary Power & Water :**

Since the plant does not require security lighting at night and also does not require higher capacity water pumps, aux. power requirements are almost nil.

More over there is no wastage of water for cleaning since the cleaning frequency is lower and water used for cleaning drains into the water body.

### **Economics :**

- The additional cost of floating platform is expected to be Rs 15/- per watt in MW scale but that offsets the cost of land, civil work & allied land development cost.
- Additional annual yield by 12 % to 14% from the same infrastructure.
- Reduced maintenance costs
- Saving in evaporation losses



#### **Business Algorithms P. Ltd**

39, Shankar Nagar, Nagpur 440010  
Ph : 0712-2546800  
Mob : 99234 08811  
Mail : solar.products@balgo.com  
visit us at : www.balgo.co.in

Development MoU with



#### **Gujarat Energy Research & Management Institute**

1st Floor, Energy Building,  
Pandit Deendayal Petroleum University,  
Raisan Village, Gandhinagar - 382 007.  
Phone:+91 79 23275361,Fax : +91 79 23275380  
Email: information@germi.org