Concentrating Solar Photovoltaic Greenhouse Wind Flower

Salient Features

CENTRAL FLOWER TOWER adjacent to HIGHWAY with FLOWER PETALS Clearance 10 m over HIGHWAY as SOLAR PV CONCENTRATOR RECEPITORS with part CLEAR, part REFLECTING, SOLAR DISTILLATION AQUACULTURE GREENHOUSES with BIOGAS PLANTS and 3 DANCING BEAUTIES VERTICAL AXIX WIND MILLS.

Overall ENERGY GENERATION COST of ALL SITE INFRASTRUCTURE will be LESS THAN 10 USA / Watt

DESALINATION AQUACULTURE Saline Brackish Biogas Treated MIX Water Greenhouses' SOUTH Facing Slopes, will have SOLAR m-Silicon PANELS and NORTH Slopes Panels will be Transparent for GREENHOUSES or Reflecting for SOLAR CONCENTRATION. SOLAR PANEL INCLINATION will be EQUATORIAL or 24.5 degrees to Horizontal (Masdar Lat.).

Potential Solar PV Power Generation in NO SHADOW Zone of SOUTH EAST Site over South Slope 24.5 Degree of Greenhouse = 265 kW - Average solar irradiation in similar latitudes is 1250 W / sq.m or 1.25 kW / sq m - for No Shadow South East Site alone is 1kW x 365 x 6600 Sq M =249000 kWh

Outside External Surface of CENTRAL FLOWER TOWER – NORTH VERTICAL SURFACES - TANDEM PV MODULES appx. 265 kW

Power Generation for NORTHWEST Site 265x365=249000 kWh

No Shadow South East Site alone is 1kW x 365 x 6600 Sq M =249000 kWh

TOTAL POWER GENERATION = 265 kW+ 265 kW = 530kW or 480000 kWh / Year

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Annual kWh Solar Power Generation for NORTHWEST Site 265x365=249000 kWh

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