

Innovative Green Energy Generators

Proposal for Power
Plant Set-up

Weltbreit Eco Energy (Malaysia) SDN BHD

Business Ownership

- Weltbreit Eco Energy (Malaysia) SDN BHD is the machine manufacturer providing sales, service and support for innovative flywheel power generating systems

Economical

- The captive power plant is expected to produce an average of 7-8 million units of power (KWh) per year for each MW rated capacity
- Expected to produce power for 15-20 years subject to regular maintenance activities
- Rapid commissioning of the machinery, in about 3-4 months time

Eco Friendly

- The machinery is innovative, eco-friendly, clean technology
- No emissions – solid, liquid or gaseous
- No pollution of whatsoever in nature
- Low noise levels, can be easily isolated/contained
- Low requirements of space – no need to clear large chunks of land

Affordable

- Offered in Sale/Lease/PPA model with initial advance payment
- Offers considerable savings over utility bills / other non-conventional energy sources like solar/wind
- Unit cost will be lower than present cost and 10-30% savings on existing power tariffs
- Power purchase commitment is required from the client (minimum threshold for PPA)

Manageability

- Weltbreit Eco Energy (Malaysia) SDN BHD will ensure maintenance and upkeep throughout the PPA term
- Manufacturer will provide service and support by collaborating with local partners
- Minimal manpower requirement and training will be provided to the personnel manning the plant
- Easy to operate and maintain
- Remote monitoring by the support team

Advanced Technology

- The technology essentially leverages on the advancements in flywheel technology, advanced hydraulics, electronic control and core proprietary technology to harness non-polluting power in an efficient manner.
- The pollution free flywheel green energy generator is powered by three phase motor, which is be powered by external source of any kind for initial running of the system, when the system starts its production; a gird connected panel will automatically switch the power source for external power to the self-created power.

Intellectual Property

- The technology belongs to the manufacturer and will be protected by applicable laws.
- Obtained necessary IP protections
- Machines are protected from reverse engineering.
- Any repairs, dismantling are prohibited during the life cycle / warranty period.

Business Model

- A requirement analysis on power requirement including peak loads, average consumption, demand periods etc will be done to understand the capacity requirement
- Feasibility study will be undertaken
- A proposal with initial advance and Sale/Lease/PPA provisions will be offered, detailing the term and conditions
- Order will be confirmed against advance payment
- All financial transactions will be put through Weltbreit Eco Energy (Malaysia) SDN BHD

Test Set-up Demo Machine

- One demo machine is available in India for client visit, clarifications and testing
- Scaled up machines upto 1 MW capacity will be manufactured on satisfactory client testing and order
- Machine appearance/features may change from that of the demo machine.
- If demo needs to be done at client location, necessary expenses to be borne by the client

Fact Sheet

| Item | Specification |
|-------------------------|---|
| Rated Capacity/Unit | Any custom configuration, even in KW upto 1 MW |
| Lead time to build | 90-120 days |
| Power Generation output | Upto 900 KWh (units) per hour for 1 MW |
| Assumed yield (Average) | 90% of Capacity on full load |
| Manpower requirements | Minimal team. One person per shift/machine and additional technical/supervisory/security staff |
| Area required | Approx. 1000-1500 Square Feet/machine |
| Housing | Concrete compressive strength 4000PSI. To be built on elevated land away from water bodies and withstand country specific seismic zone. |
| Warranty | The machinery and critical parts are covered by a warranty of 10 years from the date of delivery. |
| Life expectancy | The machines, if maintained properly, are expected to last for 20 years in production. |

Power Generation

- Hz & Voltage can be customized to meet client requirements
- At 90% efficiency- 1 MW machine produces about 7.75 million kwh/year
- Approximately 650,000 units per month
- Produces power 24x7 and needs quarterly maintenance window for few hours