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PRESS NOTE FOR PUBLIC INFORMATION ON GRAVITY POWER HOUSE AS A VIABLE ECO-FRIENDLY & FINANCIALLY VIABLE SOLUTION FOR ENERGY ADDRESSING CHALLENGE OF REDUCING GLOBAL WARMING.

The climate change challenge coupled with diminishing fossil fuels, led to innovate Gravity Power Towers primarily aimed at transportation. A peer reviewed paper was presented in Paris in May 2011.

The US Patent Office has published the patent specifications as well the WIPO Geneva published International PCT specifications.[Publication No: WO/ 2010 /023500 4th March, 2010, WIPO, Geneva.]. But it is Fukushima which touched many a human heart. In Paris it occurred to put to use Gravity Power Towers to aggregate the sinusoidal variable kinetic energy of sea waves in shallow region, in to a steadily deliverable on demand, stored potential energy, which drives electrical generators.

An outline paper was sent on return from Paris, to the Planning Commission, Government of India, which recognized the work and Dr. Kasturi Rangan affirmed the soundness of scientific base of my proposal but was concerned about engineering design and delivery. (Original letter at www.atrilab.com)

With the encouragement given by the letter of support from Dr Kasturi Rangan, the solution for generating eternal power from, in terms of deliverable engineering equipment was configured. This novel unique floating module evolved are fully described and papers filed in US Patent office comprising of all the drawings and specifications as final application for gravity power house.[US Patent Application No:13274686 Dt. 17 Oct 2011]

No marine foundations needed now.

To implement, the kind of permission needed from Government, is reflected in a letter (copy at www.atrilab.com) addressed to all the concerned.

Gravity Power House comprises of elegant floating modules without any marine foundations, and appearing from shore, like a number of domes in series, at a distance of 30 to 50 m from shoreline at low tide, anchored down; the moment you float them into position, and just connect the electrical cables, start generating electrical power to feed the cables.

The Gravity Power House is mobile!! We can shift too.

Mechanical in design automated like clockwork, almost maintenance –free, obeying Newton’s laws, Bernoulli equations, principle of conservation of energy, laws of floatation, using proven existing industry products as sub-elements, the apparatus has little chance of failure.

No fishing industry will be disturbed, nor adverse effects on marine life are implied in implementing. No digging or dumping fixed foundation structures or jetties involved.

Utilising just 1000km of shore line, out of 6000 km, India can be the country to start on this path to produce at least 100GW from Gravity Power House, at less than Re 1.60 per unit. Eternal and clean energy we get.

Snapshot of financials is given:

Costs estimated by bench marking the steel structure fabrication standards, and to account for variability in estimates, about 70% hike in costs also considered to indicate influence on the cost of unit of energy produced.

[30% Equity & rest Debt funded. A typical year soon after commissioning taken]

<u>Financials</u> 5 cr/MW Cap.Cost.		<u>Financials for Rs 8 cr /MW Cap.cost</u>	
200MW Gravity Power House		200MW Gravity Power House	
Maint	5878.1 lacs	Maint	7565.6 lacs
License fees	259.2 lacs	License fees	259.2 lacs
Depreciation	5878.095 lacs	Depreciation	7565.595 lacs
Int	9381.4 lacs	Int	12074.7 lacs
Payback	4114.7 lacs	Payback	5295.9 lacs
Taxes+duty	1810.4 lacs	Taxes+duty	1597.1 lacs
Total	27321.9 lacs	Total	34358.1 lacs
Units	1728000000	Units	1728000000
Cost	₹1.58 per unit	Cost	₹1.99 per unit
Sale per unit Rs	3	Sale per unit Rs	3
Surplus NET	₹1.42	Surplus NET	₹1.01

The worldwide implications are tremendous, if you factor in the transportation solution (Gravity Powered Transportation), too along with the Gravity Power House- we can have cargo/men transported at high speeds too.

The impact on economy and the climate change factors can prove to be very substantial. Solar and wind power or thermal power cannot even come anywhere near to be called a competition.

Who can have this big vision? the courage? A stage comes in every successful business man or industry captain, when one is hungry to initiate a breakthrough technology to better human life and the planet, and to be remembered by all future generations. This can be done without sacrificing any business interest.

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Gravity Power House presents a win-win opportunity. The company Rajaram Bojji is calling for bids from reputed power companies, to take a calculated risk of 2% probability of losing Rs 50 lacs proving the first experimental module, to gain exclusive license for the technology for India with potential of Rs 5 lac crore worth power projects making a clean 35% profit post tax, and owner of 100GW of power for the country.

At the website www.atrilab.com the invitation for bids is published.

[*This Press Release is issued in public interest to save our planet from global warming*]