



1 to 1 BIOMASS BASED GREEN VILLAGE ELECTRIFICATION GLOBAL PROGRAM

Project Concept:

Globally it has been studied, researched and proven that villages are always facing scarcity of electricity or even some villages don't have electricity at all and enough supports are not available to develop power plants with one or other reasons.

Globally, **Green Biomass** in form of Wood Waste, Agricultural and Forestry waste is available in abundance and village's electricity requirement is huge as well, and well that can be solved. These are the type of waste or excess feedstock material that are available or can be organized by any village and we have observed most of the villages that have solved such problems, they all work in unison towards the same goal as they find that it is the entire village that benefits.



Wood waste



Rice Husk



Bamboo waste



Jatropha



Wheat Straw

This program is meant for villages only, where electric scarcity is hurting villager's life & future development. Needless to mention here that; every Government and hundreds of International & Domestic organizations are trying hard to support millions of villagers and to support them more strongly, this program is made for Government and such organizations, so that villages can get green electricity and that too in a sure shot way without having to face the problems of the equipments being stolen or its utility not coming to use after 12 – 18 months or so, as has been happening worldwide in the case of village level Solar Street Light installations, our Patent applied system of offering sure shot electricity availability plan makes that happen.

1 to 1 Concept is very simple: **1 MW Electric to 1 sq km** [1 to 1] village area will change the face of villager's life. Freely and excess availability of wood waste and agricultural or forestry waste will be used as feed stock raw material and with the help of Biomass Gasification System electricity would be produced. This is what is specifically termed as **DECENTRALIZED POWER PLANT**, where heavy investments are not needed and villagers get electric & various jobs are also created. And if the specific arrangements are made, it can be turned into employed based small or cooperative business unit.



PROGRAM SYNOPSIS RUNS WITH YOUR AND GOVERNMENT SUPPORT:

We will provide complete project with wood waste or other waste cutting, chipping equipments, transporting vehicles, Biomass Gasification system to generate electric, and transformer, electric distribution line set up, if grid based system is desired by villagers.

If battery chargeable system is to be used to avoid any costs of transmission lines, are desired, than our patent applied system is suggested, to avoid any complication and problems in individual family based systems, where no frills, no drills, no complications are there and family pays on daily, weekly or monthly basis to the operator of the system, which could be an individual, small business entity or the village administration itself.

Average cost of each 1 to 1 project is estimated at US\$ 2.75 Million, in any Asian, African or South American countries, for a non-transmission line based system and with 20 villages estimated value will be around **USD 55 Million**. Estimation may vary from region to region.

How 1 to 1 program works:

1. You identify villages, where you want to implement this program and make a list. Minimum 20 (twenty) villages are required under this program. Chart out complete information, including especially how you can finance the system, or your Government can come with any guarantees on a 7 – 8 year basis through their National Banking system or in any other way, so that we can also work on to help you in getting finance for this system through international funding agencies etc.
2. Send us Letter of Interest with information of villages, its demographic, available raw material quantity (wood waste) for each villages and major feasibility study.
3. If your approach to the program and financial equations and responsibility pattern is approved by our analytical team, then we shall take up your case on a 50% reduction basis on our Exclusive Consultation Contract and implementation Contract [Usually our package consultation charges are of US\$ 16,000] if not we may have to regret or get your program re-tuned to be fine enough for approval.
3. Based on your information, we will work with your team and our EPC partners and will give you all related information with structured plan for preparing project report. Prior and later to this basic and legal formalities will take place.
4. Based on that, your designated team will prepare a Detail Project Report in consultation with us and we shall submit to our preferred lenders for Green Energy Projects.



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5. Your team will work with our suggested lender. Once lender approves, funds will reach to your account and will be disbursed to concerned quarters.
6. EPC activity will begin and will give you turnkey project.

What is the goal of this program:

Briefly speaking to raise the level of human life and offer better facilities which will make them come at par to the Global living standards and have better future through healthy and educated living, picturesquely speaking, to take the level from the one in first picture to the last one here:



It's the availability of electricity that makes the difference to all.

Project funding & criteria:

- ❖ You will submit Detailed Project Report to lender (Certain fees & restriction may apply depending on project & region)
- ❖ After review and underwriting, they will give consent, subject to due diligence.
- ❖ During due diligence provide documents & info requested, if any.
- ❖ Important: Lender will need full & strong proper guarantees to fund the project, which should be in form of sovereign or International Bank Guarantee (Certain fees & restriction may apply depending on project & region), while a long term guarantee can be good, so that immediate blockage of funds does not come up your way.
- ❖ After that funds will be provided to you and will be disbursed for EPC implementation. .

What support we provide:



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- ❖ EPC Support: Entire Engineering, Procurement, implementation and training for Equipments for wood waste cutting, chipping, transporting vehicles
- ❖ Biomass Gasification Robust system with plant, transformer, and electrical line set up & training to your team.
- ❖ Financial Support: Project funding based on appropriate guarantee, as above.

What we need from you

- ❖ Letter of Interest on your letter head.
- ❖ List of villages with details as mentioned above.
- ❖ Required reports / details by our EPC team, including but not limited to licenses & permits.
- ❖ Required documents, fees & formalities for lender.
- ❖ Security & support to our team while work in progress.

Visit to have broad view of Green Village Electrification

www.biomassgasifier.com www.woodybiomass.com www.globalenergycollaboration.com

While the entire system can be packaged financially by www.globalfinancialcollaborations.com