

# **Pictorial illustration on Grameen Shakti**

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Grameen Shakti

Objectives of Grameen Shakti: Develop and delivery of rural energy service from renewable energy technology



Grameen Shakti

## **Grameen Shakti at a Glance:**

<b>Incorporated</b>	<b>1996</b>
<b>program coverage by Grameen Shakti</b>	
<b>Number of District</b>	<b>42 out of 64</b>
<b>Number of Upazial</b>	<b>150 upazila out of 464</b>
<b>Number of Villages</b>	<b>2100</b>
<b>Number of Island</b>	<b>8</b>
<b>Total beneficiaries</b>	<b>more than 150,000 people</b>
<b>Unit office</b>	<b>100</b>
<b>Field staff</b>	<b>350</b>
<b>Total installation</b>	<b>23,500 SHS (till April 2004)</b>
<b>Installed power capacity</b>	<b>1.12 MW p</b>
<b>Installation rate</b>	<b>1050 SHS/month</b>
<b>Financing mechanism</b>	<b>Four financing method</b>
<b>Future Plan by 2008</b>	<b>100,000 SHS</b>

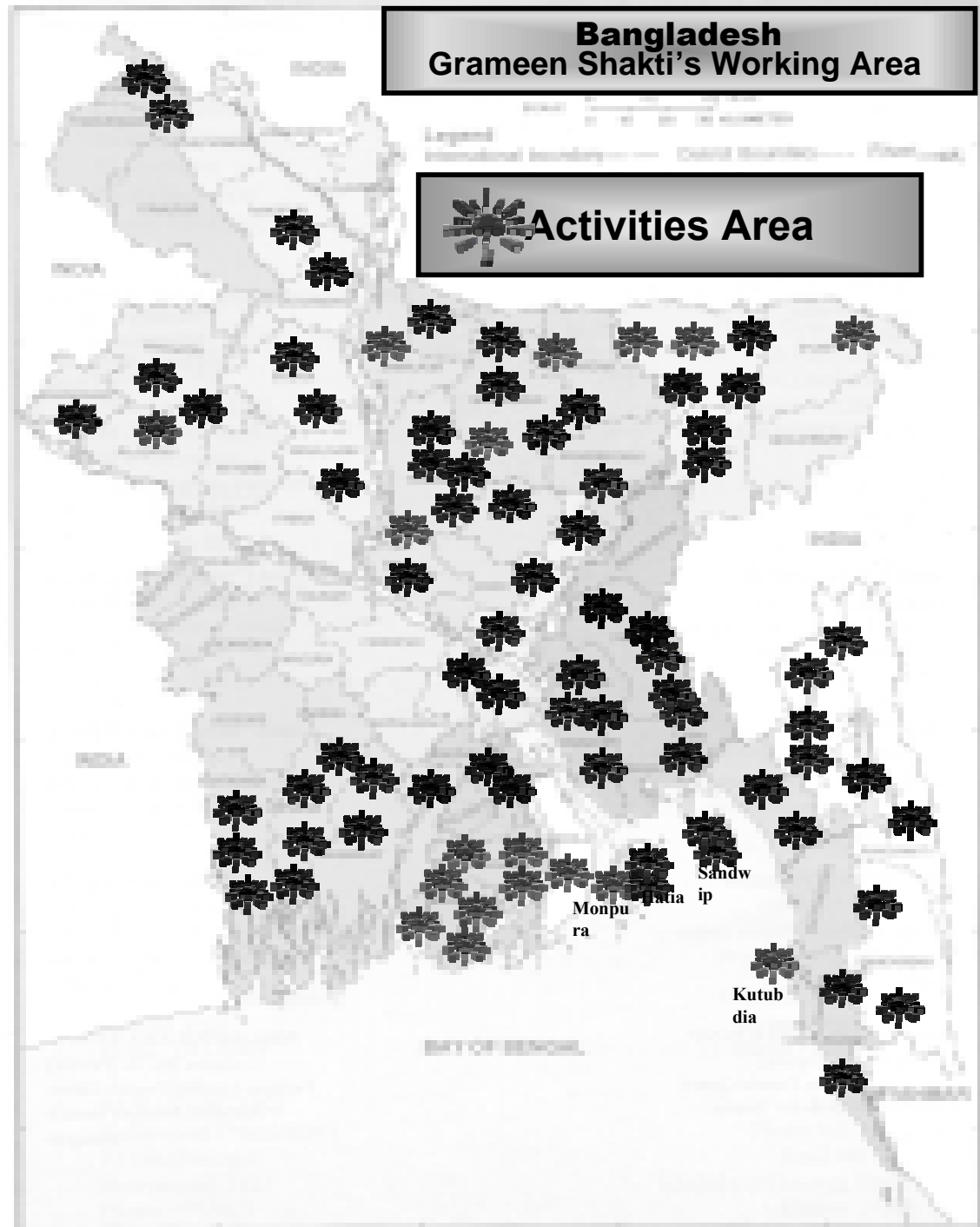


# Year wise Progress of Solar Home System

Monthly Progress 1100 SHS



100 unit offices of Grameen Shakti covers all island of Bangladesh and unserved region by power grid authority.



**Present scenario in Bangladesh:**  
Only 30 % people are living within the Power Grid coverage.



To overcome this grid limitation, GS has introduced the conception of standalone PV system for rural electrification



Shiksha Shakti

Awareness build-up through demonstration

To create an environment and to make the program successful, GS had to develop the PV awareness

among the societies



Demonstration in a School ground





At present, GS has successfully established the market for SHS in rural Bangladesh



Demonstration in a market place



GS has installed more than 23,500 SHS in remote rural areas of Bangladesh till April 2004



Grameen Shikhi

Installation way in remote inaccessible area

Installation rate is over 1000 SHS per month



Transportation in rural area for installation



Grameen Shakti

SHS is widely excepted technology in our society. This is due to strong backup support of GS Engineer



Women engineers are part of this success and they are working with the same pace of our main stream



Geetaen Shakti

Installation

# Community participation has ensured the success of the PV program



Peoples participation during installation



Our dedication for the commitment has turned it into a success story



Grameen Shakti

Hardy installation of SHS, outdoor/indoor

Users claim that child education has improved because the children can study more time at night



Impact of the system in the society



Geemeeen Shiksha





Children are  
enjoying  
smoke free  
bright light  
and they are  
more studious  
than before



Shiksha Shakti

Child education under bright light of SHS



Social welfare: SHS is used in a village clinic



SHS has created the opportunity for family entertainment by enjoying TV program and has improved their knowledge base through educational program





Community entertainment by enjoying TV program



Shiksha Shakti

GS provides training to the users to ensure the proper operation of the system and how to take care of it.



Geemeeen Shiksha

Users training



Shameen Shafiq

Users are very attentive during their

To develop the local capacity, GS arranges training program for the local technician and so far 650 technicians have been developed



Geeteen Shakti

Technician training

SHS can extend the working hour after dusk and can be a part of income generation activity, this barber earns extra money after sunset due to this SHS



Shameen Shakti

Productive use of SHS at Barber shop



This saw mill owner reported that SHS helps to increase his income by extending the working hour at night



Shameen Shakti

Productive use of SHS at saw mill

Empowering women through utilizing their idle time for productive use at night due to bright light of SHS



Shiksha Shakti

Productive use of SHS for women welfare

# Self innovative approach for productive use of SHS on a mobile van grocery shop



Productive use of SHS at mobile van shop



Shreeen Shakti

Productive use of SHS in a rice mill



Shameen Shakti

Productive use of SHS in a cottage industry



Shiksha Shakti

Productive use of SHS



# Grameen Telephone Lady

An integrated approach of SHS and telecommunication.

Empowering the rural women through income generation activity



Selling power to its neighboring and thus micro-utility helps the people for repayment of their installment



Micro utility to reach the poor with more flexible financing policy







Micro-utility system is a source of income for the owners



GS emphasizes on maintenance and backup service for its customers to build their confidence, on this new technology



Geemeeen Shakti

Maintenance and warranty service

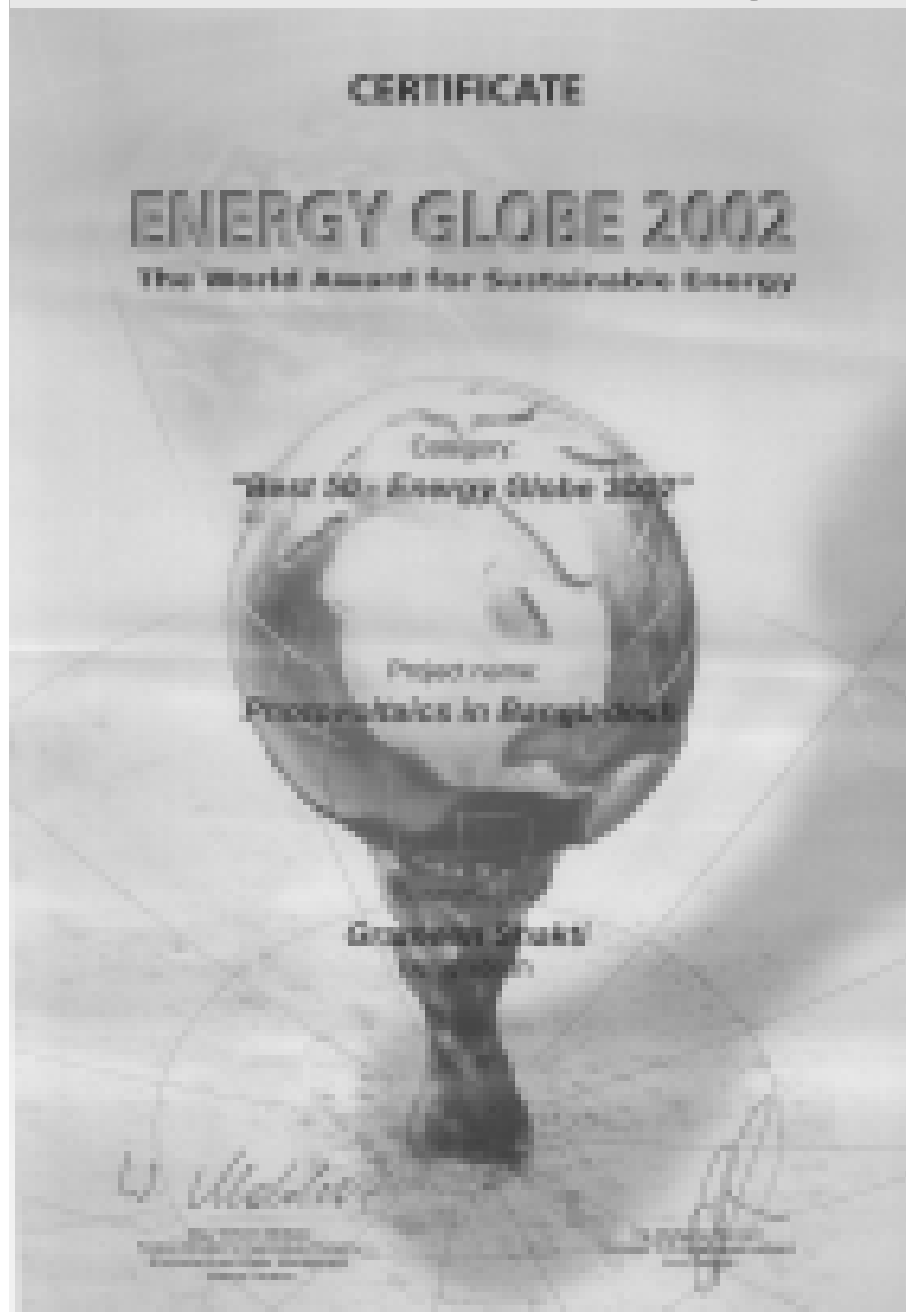


A token gift of umbrella encourages the user to pay their last installment



Grameen Shakti

# International recognition of Grameen Shakti



# European Solar Prize 2003

This prestigious award has given to GS, due to its successful model and integrated approach for rural electrification through renewable energy technology



Managing Director of Grameen Shakti Mr. Dipal C Barua is receiving the award “European Solar Prize 2003” from

Dr Hermann Scheer MP and president of EUROSOLAR



Grameen Shakti

Thanks for Your kind Attention



Seema Shakti