



Shelter SUTRA

Shelter “Selection and Upgradation of Technologies in Rural Areas” (SUTRA), is a special consultancy service, offered by TARA Nirman Kendras, building centres of the Development Alternatives Group.

The main objective of SUTRA is designed to provide design and technical support to grassroot organisations dealing with shelter and habitat issues in their regions.

- Introduce appropriate technologies
- Improve local building systems
- Reduce cost of construction
- Introduce income generating avenues
- Train local manpower

“SUTRA provided crisp information even for a lay person to judge the best housing model.”

“It gave great insights - exploding some of our myths.

*Mr Badal Kumar Tah
Secretary, Ankura, Rayagda, Orissa*

“SUTRA progmmme offers wonderful information.

I am deeply grateful, “

*Sr. Rosario Lopez
Bethany Society, Tura. Meghalaya*

“I was quite impressed with the immense reserch and development undertaken by you for improving rural technologies, “

*Mr Vipin Sharma, General Manager Rural
Non-Farm Development Agency, Rajasthan*



Upgradation of house using Micro Concrete Roofing technology in Tura, Meghalaya

TARA Nirman Kendras are:

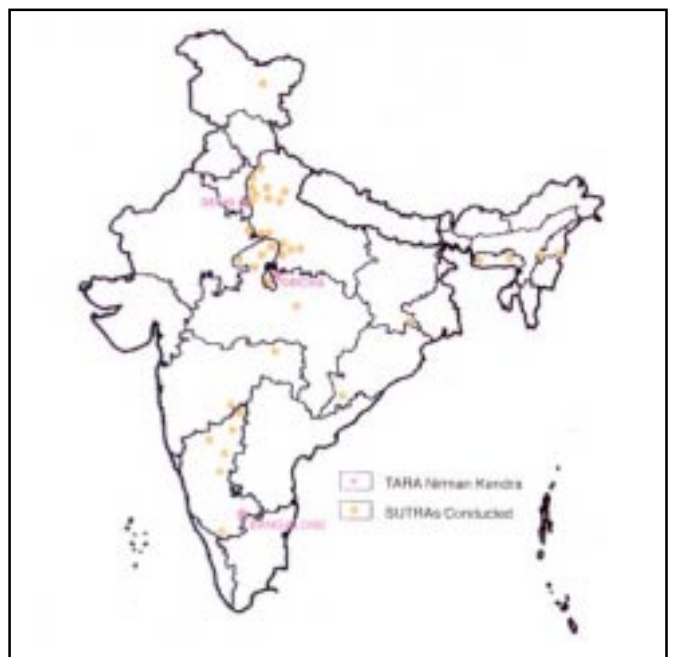
- ① Staffed by an able team of architects, engineers, civil supervisors, masons and allsans.
- ① Involved in :
 - ❑ application of technologies, building systems
 - ❑ delivery processes for shelter and building technologies in rural areas
 - ❑ testing of building materials
- ① Connected to an active network of building centres, research and evelopment institutions, private companies and NGOs working in the area of shelter



- ① Alternative building technology packages offered by TARA Nirman Kendras:

- ❑ Micro Concrete Roofing technology
- ❑ Ferrocement Roofing systems
- ❑ Concrete Block technology
- ❑ Compressed Earth Block technology

Also offer region specific applications and innovation of building systems.



Map of India showing location of TNKs and SUTRAS conducted so far

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Shelter SUTRA Results in :

- ① Reduction in cost of construction by upgrading local construction systems, utilising local materials and introducing appropriate construction technologies.
- ① Introduction of income generating micro-scale production systems for building materials.
- ① Development of joint project proposals for shelter programmes.
- ① Training of local construction workers.
- ① Overall improvement in shelter conditions of your region.

SUTRA is a six month long partnership in which we:

- ① Appraise locally available material resources and skills.
- ① Evaluate local building systems in order to identify problems and potentials.
- ① Identify possibilities of upgrading local construction systems.
- ① Explore potential for new technological alternatives which optimise material, energy and resource use thus reducing costs.
- ① Initiate networking with other organisations or institutions in the region.
- ① Design a prototype building on which artisans and project staff can be trained.
- ① Identify training and construction management needs.

The SUTRA service is available at a nominal fee for our NGO partners and on a non-profit basis for other organisations according to the services required

For more information contact :

Shelter SUTRA Programme Development Alternatives

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Email : tara@sdalt.ernet.in
Internet : <http://www.devault.org>

Demonstration house incorporating recommended alternatives at Ankuram Campus, Rayagada, Orissa

Please fill the form below cut/tear along the dotted line and post it to us.

Name of the Organisation : _____	
Address : _____	Telephone : _____
_____	Fax : _____
_____	Email : _____
Major Areas of Work : _____	

Contact Person : _____	Designation : _____
Services required : (please tick in the relevant boxes)	
<input type="checkbox"/> Technology and building system selection	<input type="checkbox"/> training in building construction / production systems
<input type="checkbox"/> Joint development of proposal for shelter upgradation	<input type="checkbox"/> feasibility studies for technology introduction
<input type="checkbox"/> cost estimation of buildings	<input type="checkbox"/> design of demonstration structure
<input type="checkbox"/> Other (please specify) _____	