

FIRST SMOKE FREE VILLAGE

BY

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and

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DATA OF SMOKE FREE VILLAGE.

- No of families :36
- Total population :232
- No of cattle :182
- No of Bio gas plants :23
- No of solar cookers :26
- No cookers wanted now :3
- No of Bio gas plants wanted now :6
- No Sericulture sheds available :11
- Production of silk per year :17Tonns

METHOD OF COOKING IN SMOKE FREE VILLAGE BEFORE INTRODUCTION OF SOLAR COOKERS&BIO GAS PLANTS



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Indoor Air Pollution(Traditional cooking) is one of the main reasons of lung and eye diseases



PRESENTATION OF C.B.JAGADEESWARA REDDY ,D.M NEDCAP,CHITTOOR,ON SMOKE FREE VILLAGE AT INTERSOL, SALSBERG, ON 5-6-2004



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**C.B.JAGADEESWARA REDDY, DM,NEDCAP,CHITTOOR
DISCUSSING WITH DR.DEITER SEIFERT(INVENTOR OF SK 14
SOLAR COOKER) NUTTING,GERMANY AND DEEPAK
GADHIA,ECO-CENTRE,ICNEER ,VALSAD**



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ASSEMBLING SK-14 SOLAR COOKERS BY VILLAGERS THEMSELVES AT SMOKE FREE VILLAGE



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BIO GAS PLANTS IN SMOKE FREE VILLAGE



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SERIES OF SK-14 SOLAR COOKERS IN SMOKE FREE VILLAGE



TRAINING PROGRAMME IMPARTING TO VILLAGERS BY SMT PADMAJA REDDY, ECO-CENTRE, ICNEER, VALSAD ON PREPARATION OF VARIOUS FOOD ITEMS



Most of diseases in developing countries are water born and can be avoided by boiling of water with solar cooker



4 billion liters per day of potable water is required for 2 billion persons

**Smt PAPULAMMA PREPARING DAILY FOOD FOR 48
SCHOOL CHILDREN ON SK-14 SOLAR COOKER
UNDER MID-DAY MEAL SCHEME**



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Boiling of Horse gram



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Egg boiling



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Boiling of sword beans



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Frying of Indian traditional sweets



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Frying of seeds



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MAKING BOTTIES



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Making of bajjis

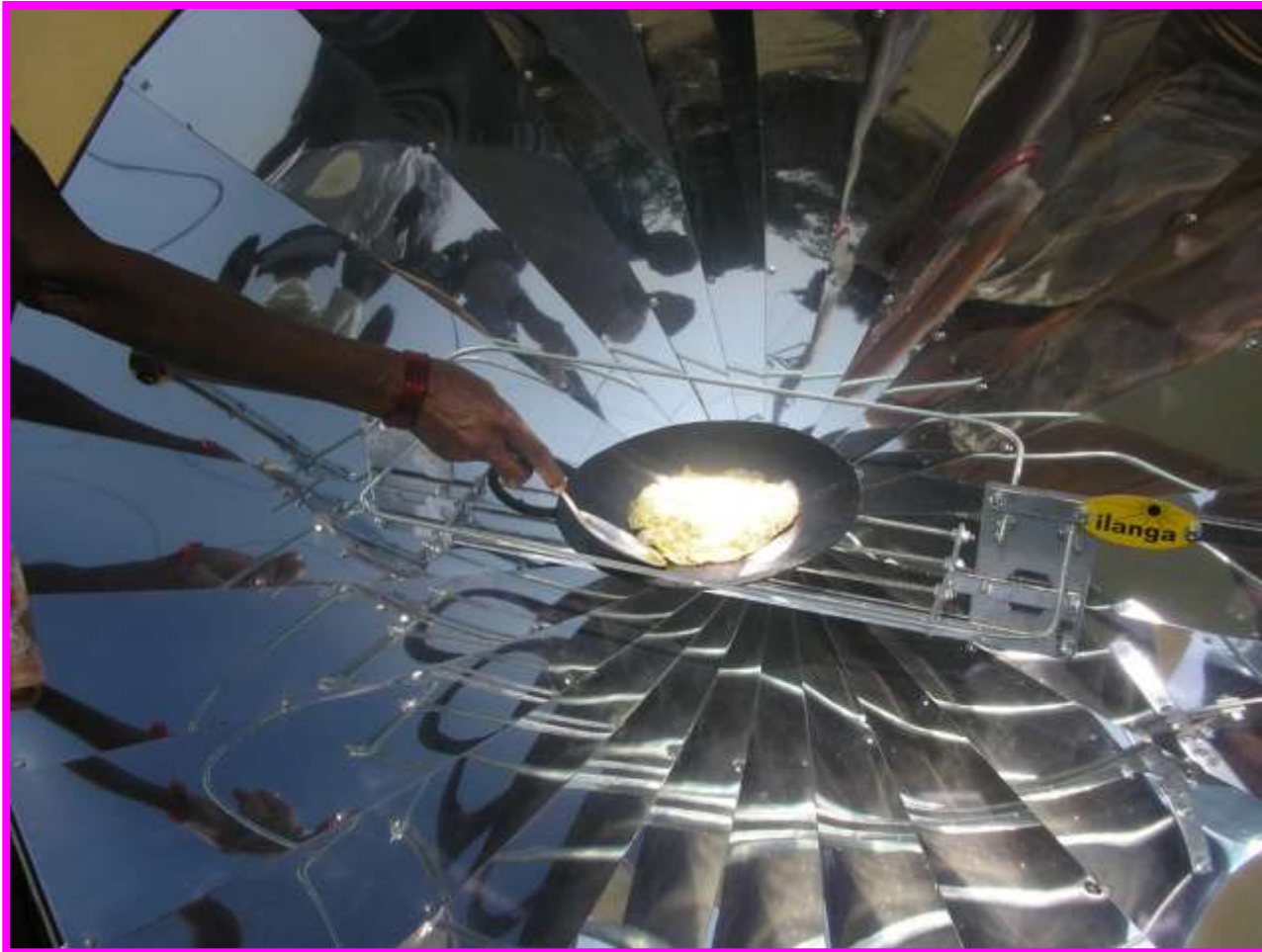


Making chapathi



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Preparation of omelet



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Frying of groundnut seeds

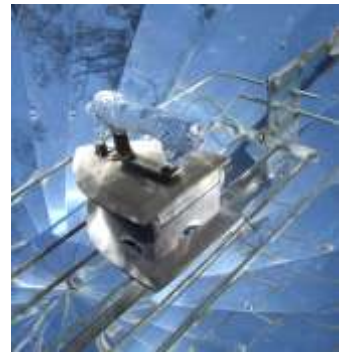


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PREPARATION OF BUSCUITS



Parabolic solar cooker, not only for cooking ...



**... but also for
baking, frying,
conserving, and
much more ...**



Hay basket to retain heat for 5 to 6 hours prepared by Bysanivari palli beneficiaries.



Iron box heating with solar cooker by using brick pieces to retain heat for longer period.



PARTICIPATION OF STUDENTS FROM RISHYVALLY SCHOOL AND MADANAPALLE ENGINEERING COLLEGE ON 27-12-2004



Solar cooker -

potential of its use for environmental education



**Solar cooker projects of schools
in Salzburg/Austria with partner
schools in India**



**Solar cooker project of schools of
Munich
Cooking Courses at Mohr-Villa,
Freimann**

**Cooking with the sun“ for experience
and sensitizing for global correlations and acquiring skills**

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ADVANTAGES&SAVINGS

- **FIRE WOOD Per Year** :72000 Kgs.
- **LPG Per Year** : 5832 Kgs.
- **Reduction of CO2 Emission Gases** :104000Kgs

ADVANTAGES

- 1)Cooking time savings
- 2) Arrest Deforestation
- 3)Improves greenery.
- 4)Improves sanitation

THE HINDU PAPER CLIPPING

20* THE HINDU, Friday, January 7, 2005

NEWSCAPE

A little village in the sun

By A. D. Rangarajan

TIRUPATI, JAN. 6. Here is a bright little village in Andhra Pradesh that is all solar and smoke-free — the first of its kind in the country.

Bysanivaripalle, 125 km northwest of Tirupati, has 36 families. Their main means of livelihood is sericulture. The eco-conscious residents of the electrified village went in for the first biogas plant in the region two decades ago. The officials of the Non-Conventional Energy Development Corporation of Andhra Pradesh (NEDCAP) did not need to put in much effort to motivate them to go solar.

Intersol, an Austrian non-governmental organisation, sponsored the provision of "Sk-14" cookers here last year. Gadhia Solar, a Valsad-based environmental body that imports, supplies and installs them, executed the job. It is the single largest cluster of cookers that Gadhia Solar has installed anywhere. A group of schoolchildren from Austria visited the village last year to witness the project.

"With 23 biogas plants and 26 solar cookers, we do not have to use a matchstick," says Sadananda Reddy, a progressive sericulturist who was honoured by the Karnataka Government recently for his top quality cocoons.

Apart from preparing rice, the solar cookers are used to fry chips,



COOKERS ALL THE WAY: On a street in Bysanivaripalle in Andhra Pradesh.

roast peanuts and make traditional Andhra sweets. Eyeing sales in the nearby Madanapalle town, a few enterprising people are baking cakes and biscuits too.

The physically challenged local washerman has stopped buying coal; he keeps his traditional iron on the cooker and takes it out burning hot in 10 minutes before he flattens creases into a starchy crisp.

Says Papulamma, who cooks midday meals for 48 children in the village school: "No need to go to the forest anymore to fetch firewood. I cook the meal in less than two hours and avoid coughing, and burning in the eyes." To counter the harsh sunrays, NEDCAP has provided the women sunglasses.

The village saves 72 tonnes of firewood, or 5,832 kg of LPG, cutting carbon dioxide emissions to the tune of 104 tonnes a year, according to Jagadeeswar Reddy, NEDCAP's district manager.

The village has come in for praise from the developer of the Sk-14 cooker, Dieter Seifert of Germany. In an e-mail message, he says: "There may be places where there are more number of solar cookers, but I have never come across an entire village using just solar cookers and biogas, which makes it a smoke-free village in the real sense."

Preparing Mango Bars using Solar Drier

