ಕರ್ನಾಟಕ ನವೀಕರಿಸಬಹುದಾದ ಇಂಧನ ಅಭಿವೃದ್ಧಿ ನಿಯಮಿತ
(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಅಧೀನಕ್ಕೆ ಒಳಪಟ್ಟಿದೆ)
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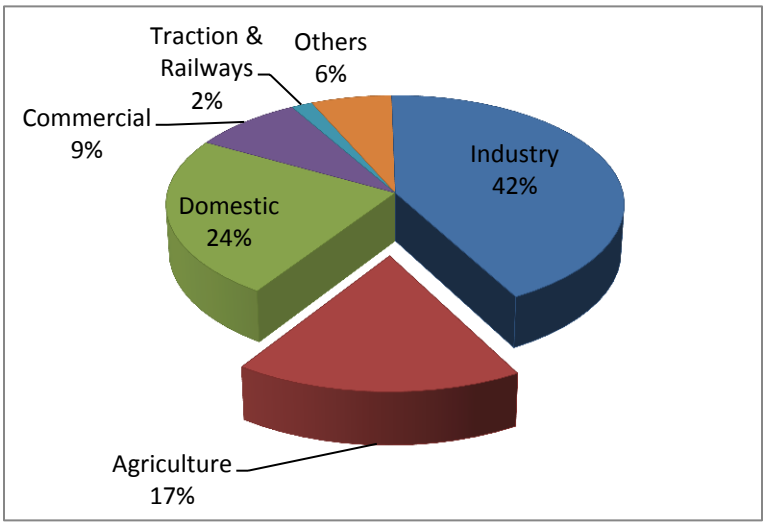
AGRICULTURAL DEMAND SIDE MANAGEMENT (AgDSM)

This programme promises energy efficiency through agriculture demand side management by reduction in overall power consumption, improving efficiencies of ground water extraction, reducing subsidy burden on state utilities and also investment in power plants through avoided capacity. Over 70 per cent of the rural households depend on agriculture.



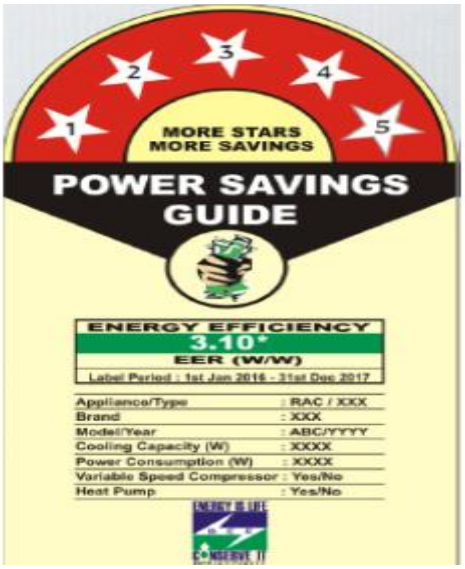
AGRICULTURE ELECTRICITY CONSUMPTION SCENARIO – INDIA

Agriculture is an important sector of Indian economy as it contributes about **17%** to the total GDP and provides employment to over **60%** of the population. As per the available data, more than 2.1 crore pump sets are installed in agriculture sector, majority of the pump sets are inefficient. Statistics shows that 2.5 to 5 lakh new pump set connections added every year to the sector. The average capacity of agricultural pumps in India is around 5 HP with efficiency levels hovering around 25-30%.

BEE in association with various DISCOMs implemented four pilot AgDSM projects in Karnataka, Maharashtra and Andhra Pradesh.

An MoU was signed between Indian Council of Agricultural Research (ICAR) and Bureau of Energy Efficiency (BEE), Ministry of Power, to create awareness for energy efficient pumpsets and operational practices so as to adopt energy and resource efficient approaches with aim to create awareness on energy efficiency and conservation in agricultural practices, particularly in using agriculture pumpsets, tractors and other machines and to improve fuel and water resource use efficiency thereby reducing the cost of cultivation so as to increase farmer's income in harmony with strategies of **"Per drop more crop" and "Doubling Farmers' income".**

Studies reveal that energy saving of about 30%-40% is possible to be achieved in agriculture sector by adoption of Energy Efficient Star Labelled Pump Sets.



The KREDL in coordination with ICAR, ATARI Zone-XI, Bengaluru and the concerned Krishi Vigyan Kendra's which are coming under the purview of ATARI Zone XI has organized the training & awareness programmes for the farmers and agricultural technicians. This is to promote the use of Energy Efficient agricultural pump sets and its operational practices. Adopting these approaches to reduce the cost of cultivation and to increase farmers income.

Objective of Scheme: Implementation of Energy Conservation and Energy Efficiency in agricultural field.

Two nos. of Training and awareness programme on energy efficient pumps and its operation & benefits for the use of Energy Efficient LED bulbs, star rated fans, LED tubes in households for farmers including Agricultural technicians at Krishi Vigyan Kendra.

Energy efficient pumpsets traders were invited to exhibit the BEE star rated pumpsets to aware the farmers.

The participants were provided with the agenda of the programme, stickers, brouchers containing the energy conservation and energy efficiency theme, notepad and a pen in a folder. The farmers were encouraged to ask questions and get their doubts clarified.

These programmes was systematizing for the implementation of Energy Conservation and Energy Efficiency in agricultural field under “AgDSM scheme”.

1. ICAR-KVK- Tamaka, Kolar, Dist: Kolar

2. ICAR-KVK-Chintamani, Dist: Chikkballapura