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India Pvt. Ltd.*



*A step towards holistic  
development*



## Technology transfer for benefit in rural agricultural areas Carrefour Grain Storage Bins– India

*Tenti* village, situated in the Mathura city of Uttar Pradesh state largely grows cereals- wheat, rice, barley & pearl millet. The need assessment survey of the village; undertaken by Good Works; highlighted that on an average, a farmer in *Tenti* village loses 30% of his grain produce due to the lack of sufficient storage and processing facilities. Infestation by pests, fungi & rodents further decrease the produce during the storage.

Carrefour believes in building sustainable partnerships and imparting technology tailor made to rural settings. After having direct interaction with the farmers and understanding their need for an appropriate storage structures

Carrefour decided to build grain storage bins in these villages. The main objective of the initiative was to impart hands-on training to farmers to build cost effective grain storage models.

Carrefour Grain Storage Bin is made of un-burnt bricks and compacted earth. A thick black polythene is put between the inner and outer walls of the bin and is heat-sealed to the structure, to maintain the temperature. The concrete slab roof is supported by a wooden frame. An outlet pipe is built in the base so that the grains can be taken out easily. The produce of the farmers remains clean and protected from rodents, pests, insects, moisture and other contaminants in a grain storage bin. .

The bins were constructed in two villages- *Tenti* and *Devikaran*. The complete initiative has touched the lives of 250 people. Ten farmers from other adjoining villages have already replicated the model.

A Carrefour Grain Storage Bin approximately costs INR 1500 and easily stores 200 Kilograms of grain for three years. A 7% reduction in the produce waste has been reported so far.

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