

# Clarity Enterprises

## Grain Storage Bunkers





# The Next Big Step In Grain Storage.

## Grain Storage Bunkers – Affordable, Portable, and Durable.

There is a growing need for cost-effective bulk storage of grains in India. While Silos are an effective way of doing so they are also very expensive and difficult to set up. On the other hand, processes like gunny bagging are both time and money exhaustive. Seeing the need for better resources, Clarity Enterprises introduces to its range of products, The TUMUT Grain Storage Bunker.

- Storage that can handle anywhere between 2500 tonnes to 1,00,000 tonnes of grains.
- Suitable for Paddy, Wheat, Sorghum, Cotton Seeds, Maize, Soybeans, Lentils, or any other type of grains.
- Designed to be durable, can last for 5 years.
- Easy to install and is portable.



### Zero Wastage of Grains Guaranteed

Made of steel walls, airtight tarpaulin locks and covers which are UV Resistant and Waterproof. It comes fitted with a Closed Loop Fumigation System that keeps out any and all pests from entering. Ensuring your grains are protected from sun, rain and pests.



### The Right Aeration for the Best Quality Grains

Equipped with 6 ft tall ambient aerated fans which help in the drying and cooling of grains. They can pump up to 20,000 litres of air every second of the operation, therefore keeping your grains always fresh. They are designed to withstand any tough situation.



### The Most Cost-Effective Solution

More economical than both Steel Silos and Gunny Bagging. A silo costs 80 USD per tonne to set up, a bunker only costs 35 USD per tonne. Gunny bagging costs Rs. 8 lakhs for every 1000 tonnes, whereas a bunker costs only Rs. 6 lakhs for every 1000 tonnes of grains stored.



# System Features and Components

## Precision Through Every Step of the Way

### Grainair Fans



- Stand 6 ft tall and designed to produce upto 20,000 litres of air per second based on the surrounding air available.
- Completes 10 changes of air per hour at very high pressure.
- Comes ready to install and in colours red or green.

### Closed Loop Fumigation System



- 600-650 mm wide hand perforated Polycarbonate ducts that run through the stack have an inbuilt fumigation system.
- The system fumigates the stack continually over 30 days for increased effectiveness.
- Prevents any and all pest attacks.

### Monitoring Systems



- Gives remote control over the ambience required for the grains.
- Temperature ranges from -40 to 60 degrees celsius.
- Continually looks for cool air to keep the grains fresh.




### Bunker Filling System



- Easy loading and Quick Unloading of grains.
- Customized to suit your site's requirements.
- Can fill upto 400 metric tonnes of grains per hour.



# Bunker Filling System Variations

Variations	System Sizes	Suited for	Loading Capacity per hour
	65-Foot Auger	Smaller sites - Upto 5000 metric tonnes.	120 metric tonnes per hour.
	Grain Belt 110 foot with a drive over grid	Mid sized sites - Upto 60,000 metric tonnes.	400 metric tonnes per hour
	Drive Over Grid	Large sites - Upto 1,00,000 metric tonnes.	400 metric tonnes per hour

The Grain Storage Bunker is built keeping your convenience in mind through every step of the way. Hence, each bunker comes equipped with a bunker filling system that helps you not only save time but manpower as well. There are three variations of the system that are available depending on the size and requirements of your site. Instead of spending hours in gunny bagging, you can now safely and easily load upto 400 metric tonnes of grain per hour. It takes just one bunker filling system to improve your efficiency.

***“From the Time of Loading Your Grains till the Time of its Unloading, Grain Storage Bunkers make Every Part of Your Storing Process Effortless.”***



# Why Choose a Grain Storage Bunker?

At Clarity enterprises, we believe in customer satisfaction above all else. With over 20 years of experience, we see the need for better efficient solutions when it comes to storing grains. It's time we said goodbye to the tedious, insect prone method of gunny bagging, and welcomed **Grain Storage Bunkers that assure no wastage, and keep your grains fresh and dry at all times.**

- It Saves Time, Money and Manpower.
- Eliminates the need for a Grain Dryer.
- Has Portable Efficiency.
- Assures 0% Wastage of Grains.

**Did You Know** 75% of all grains stored in Australia is done using storage bunkers, hence also known as Australian Bunkers.

## Here's what Australian managers who have used the system at their sites have to say

### Manuel Rodrigues

Grains Lead at **Cargill Foods**,  
Australia

These projects were **successful in rapidly cooling the grain** in Oil seed stocks from 32° Celsius to below 18° Celsius within a five-week period. The aeration technology used was extremely effective in bringing insects under control as a follow on from the cooling. **Shrinkage and grain loss were successfully reduced to well below 0.20 percent.**

### Andrew Barber

Site Manager at  
**Grain Flow**

The monitoring protocol in the bunkers kept me well abreast of what was happening in my grain stacks, I was aware of the temperature and condition of grains at all times.

Additionally, **I did not lose one seed of grain** from the commencement of operations to the time the grain was sold.



*Your One Stop Solution  
to Grain Storage.*

**Let Us Help!**

## Contact Us

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