

CASE STUDY ON

FERTILIZER DISTRIBUTION SYSTEM



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Overview :

The main objective of the Department of Fertilizers is to ensure adequate and timely availability of fertilizers at subsidized prices for maximizing agricultural production in the country. The main purpose of the department in relation to the fertilizer industry is overall sectoral planning and development and regulation of the industry, as well as monitoring the production pricing and distribution of the output. Monitoring retailer activities require a high-level solution to the government department.

Business Challenge :

The major challenges include identification of the beneficiaries using the best authentication methods, stock verification, data collection and retention.

In general, farmers get the fertilizers from the nearest retailer and then the retailer claims for the subsidized amount from the government. With the manual process, there is a possibility of fraudulent practices: retailers can submit fake details to the government and claim more from the government.

Customer :

Fertilizer Companies

Solution Description :

Farmers are provided with smart card as a beneficiary card and it is loaded with personnel and biometric information.

Solution components :

1. POS terminal with Finger Print Scanner and smart card reader
2. Smart cards

When a farmer comes to the retailer to purchase fertilizers, the beneficiary needs to show the beneficiary card provided to him and the system reads the information provided in the card, asks for the finger- print, authenticates the beneficiary and issues the required items.

The same will be updated to the server through GSM/GPRS on real time and can provide print receipts to the customer and retailer. So the retailer can claim the same to the government for the subsidy amount.

VISIONTEK Products Used :

- VISIONTEK GL-11

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Benefits :

- Fingerprint authentication
- Both online and offline transaction
- Highly secure and fast transaction process
- Manual entry is not required, hence manipulation is not possible
- Inventory tracking
- Report generation

Customer Impact :

VISIONTEK's fertilizer distribution solution simplify the process of distribution of the subsidized fertilizers to the right beneficiaries by providing the best authentication methodologies. This is highly transparent and beneficial by using real-time data transfer for better inventory control to provide timely services to the farmers.

For more details on POS products visit : www.transaction-terminals.com



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