

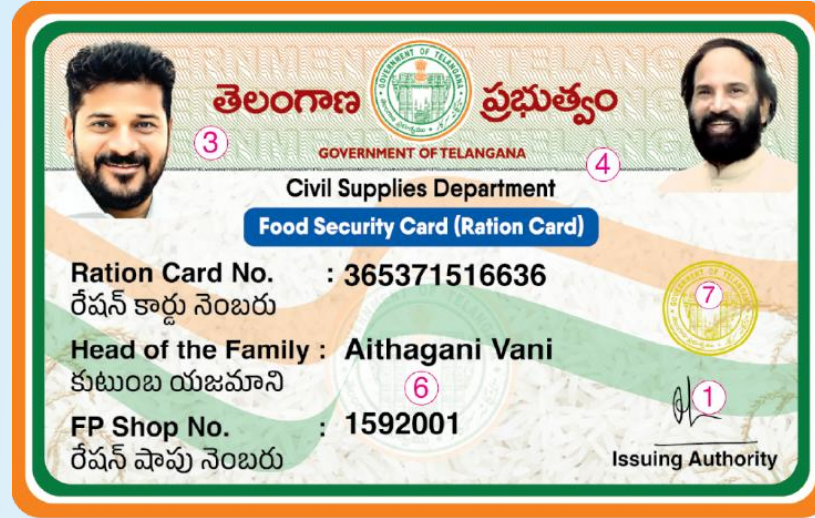


Government of Telangana
Civil Supplies Department

Food Security Card (Ration Card) **Security Features**

Security Features Layout

Card Front Side



Card Back Side



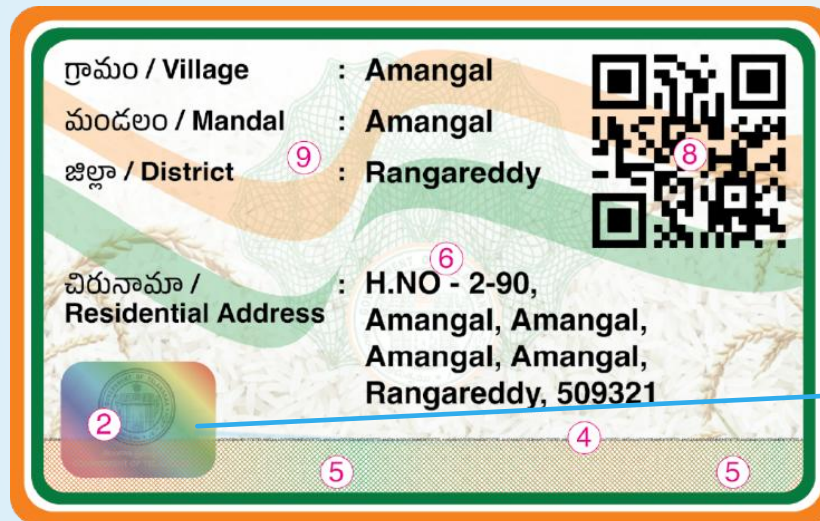
- 1. Issuing Authority – Commissioner of Civil Supplies Signature**
- 2. Hologram – Government of Telangana Emblem with 12 x 16 mm size**
- 3. Relief Text – GOVERNMENT OF TELANGANA**
- 4. Micro Text – GOVERNMENT OF TELANGANA**
- 5. Dual Hidden Image – GoTG and ORIGINAL**
- 6. Water Mark Logo – Government of Telangana Emblem**
- 7. Invisible UV Logo – Government of Telangana Emblem**
- 8. Encrypted QR Code – Size 20 x 20mm**
- 9. Guilloche Pattern**

1. Issuing Authority - Signature



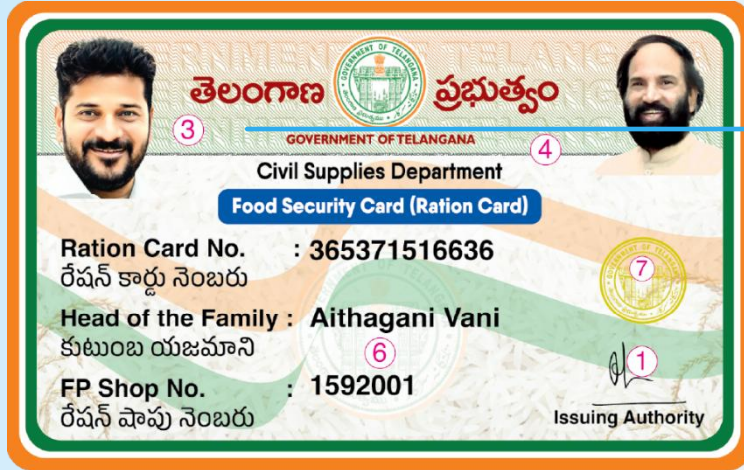
Official signature of the Commissioner of Civil Supplies
(Issuing Authority) for authentication.

2. Government Hologram (Size : 16 x 12 mm)



Secure hologram featuring the
Telangana Government emblem.

3. Relief Text



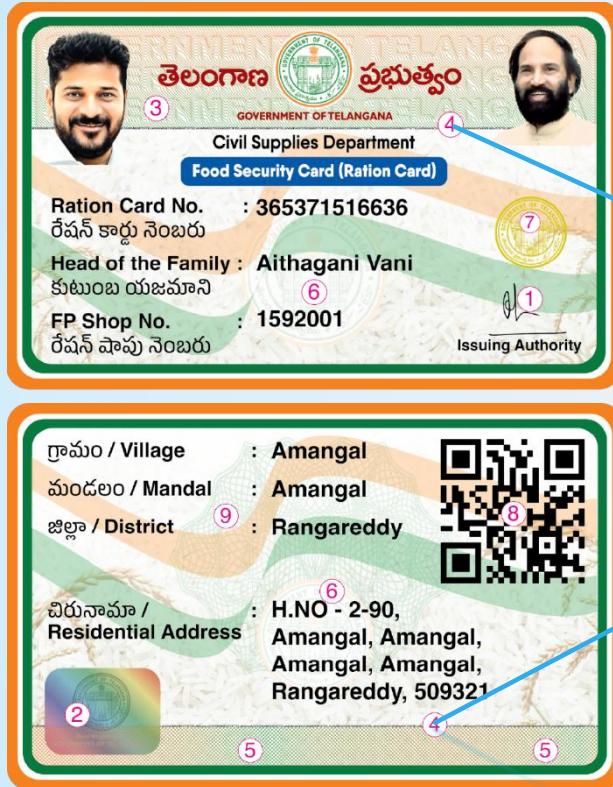
**Raised text displaying “GOVERNMENT OF TELANGANA”
for tactile verification**

Relief Text, also known as embossed or raised text, is produced by creating a tactile surface that can be felt by touch. This feature enhances both security and premium appearance.

Key Benefits

- Difficult to duplicate using standard printing
- Easy tactile verification
- Adds premium finish to documents and cards

4. Micro Text



Micro printed text difficult to replicate using standard printing methods.

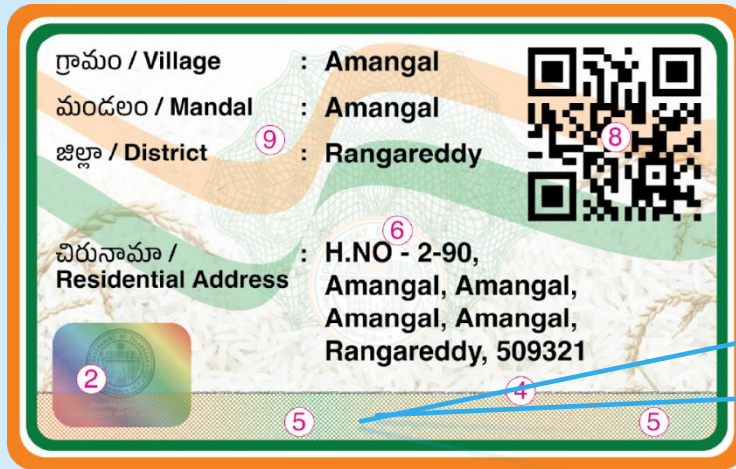
GOVERNMENTOFTELANGANAGOVERNMENTOFTELANGANAGOVERNMENT.....

Micro Text consists of extremely small printed text that is readable only under magnification. Counterfeit reproduction often causes the text to blur or become unreadable.

Key Benefits

- Highly effective anti-copy feature
- Difficult to reproduce with normal printers
- Used in high secured documents like banknotes, passports and certificates

5. Dual Hidden Image (Super Imposed Letters)



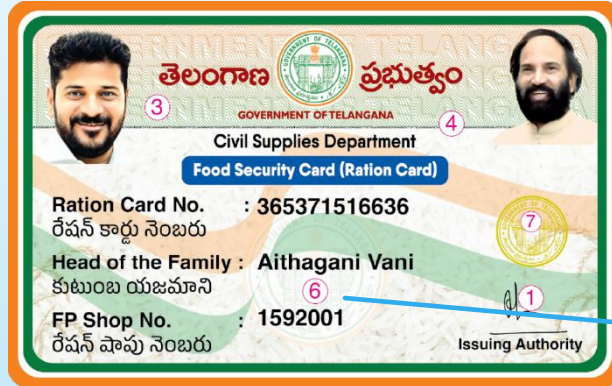
Hidden security images displaying
'GoTG' and 'ORIGINAL'

Dual Hidden Images (Super Imposed Letters) use overlapping or superimposed characters, symbols or letters that become visible only at specific viewing angles or under magnification. This feature provides covert authentication.

Key Benefits

- Hidden authentication feature
- Difficult to duplicate accurately
- Enables quick expert verification

6. Water Mark



Embedded watermark of the
Telangana Government emblem

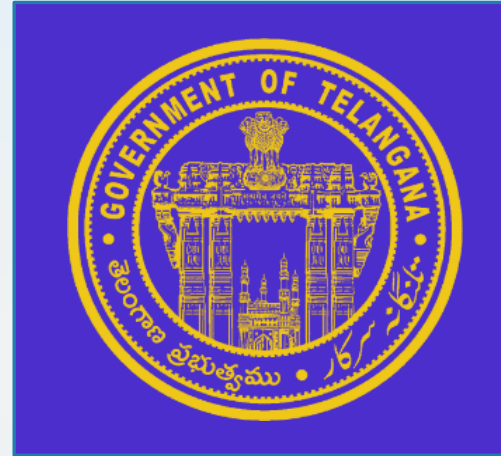
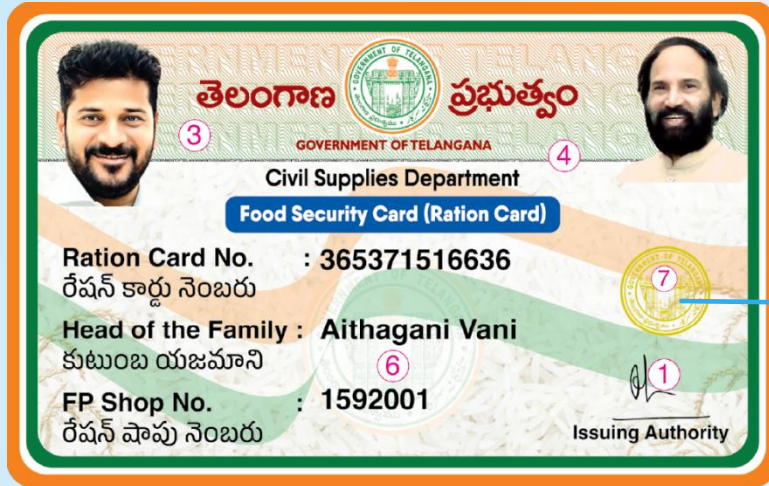


A Water Mark Logo is a translucent image or logo embedded into paper or printed material during manufacturing. It becomes visible when held against light.

Key Benefits

- Strong authentication feature
- Integrated into material structure
- Commonly used in legal and government documents

7. Invisible UV Logo



UV-visible emblem for covert authentication and inspection.

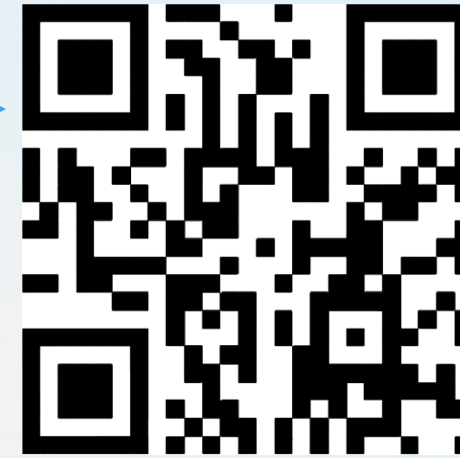
An Invisible UV Logo is printed using ultraviolet-reactive ink that Remains Invisible under normal lighting but glows under UV light.

Key Benefits

- Hidden covert security feature
- Fast machine or manual verification
- Difficult for counterfeiters to detect and reproduce

8. Encrypted QR Code

(Size : 20 x 20 mm)



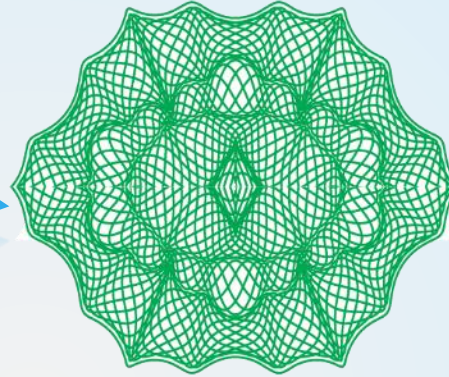
Secure QR code for digital verification and beneficiary authentication.

An encrypted QR Code stores digitally protected information that can only be authenticated using authorized software or scanning systems. Unlike ordinary QR codes, encrypted QR codes prevent unauthorized copying, manipulation or duplication of the embedded data.

Key Benefits

- Secure digital verification
- Prevents data tampering
- Enables instant authentication
- Can store serial numbers, URLs or encrypted metadata

9. Guilloche Pattern



Intricate background security pattern used to prevent forgery.

A Guilloche Pattern is an intricate geometric line design created using mathematical precision. These complex patterns are commonly found on banknotes, certificates, and secure documents.

Key Benefits

- Complex and difficult to replicate
- Enhances visual security
- Provides elegant design aesthetics

Conclusion

The Telangana Ration Card integrates visible, covert, tactile and digital security technologies to ensure authenticity, prevent duplication and strengthen beneficiary verification across the Public Distribution System.

Thank you