



KAMARAJ IAS ACADEMY
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Geo Textiles

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Why is in news? Ministry of Textiles extends implementation of Geo Textiles (Quality Control) Order, 2022 from January 1st, 2024

The Ministry of Textiles, Government of India, has announced the extension of the implementation date for the **Geo Textiles (Quality Control) Order, 2022**.

The Quality Control Order (QCO), which was originally scheduled to come into effect on 7th October 2023, will now be enforced from 1st January 2024.

The decision to extend the implementation date was made in consideration of requests made by firms for time to comply with the specifications of Bureau of Indian Standards (BIS), including ongoing certification processes at the BIS for the 19 items covered Geo Textiles (Quality Control) Amendment Order, 2022 dated 24th May 2023.

The gazette notification pertaining to this extension is under issuance, and the Ministry of Textiles further expressed its commitment for ensuring quality of these products as these are used in infrastructure projects.

About:

They are **permeable fabrics** which, when used in association with soil, have the ability to separate, filter, reinforce, protect, or drain.

These are **typically made from polypropylene or polyester**.

Applications:

They support many civil engineering applications including roads, airfields, railroads, embankments, retaining structures, reservoirs, canals, dams, bank protection, coastal engineering and construction site silt fences or geotube.

They are also used for sand dune armouring to protect upland coastal property from storm surge, wave action and flooding.

They are used as matting to stabilize flow in stream channels and swales.

They can improve soil strength at a lower cost than conventional soil nailing.

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