1.6 Protection of Water Resources

Climate change in Ladakh has shrunk glaciers and made rainfall and temperatures unpredictable. Water is needed to irrigate the fields of barley, apples and other crops during the spring but the glacial melt does not happen till summer. To spare farmers a dry spell and a barren yield, Engineer Sonam Wangchuk (recipient of Rolex Award 2016 and Ramon Magsaysay Award 2018) has invented a way to bring irrigation to the people in the form of glacier grafting technique that creates artificial glaciers, used for storing winter water (which otherwise goes waste) in the form of a conical shaped Ice Stupa.

This Ice Stupa is built by piping mountain stream water spouts from a vertical pipe, and by freezing it into a cone like structure.



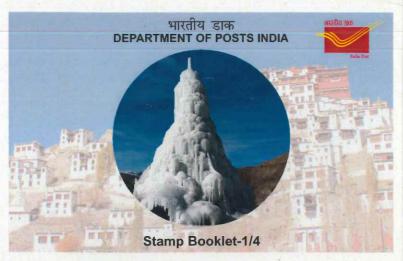
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Survival of mangroves is critical for ecosystem

Climate change in Ladakh has shrunk glaciers and therefore glaciers are artificially grafted for storing winter water in the form of conical ice stupa to irrigate crop fields.

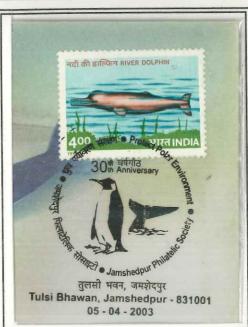
Of late plastic became a major threat to environment and specially to water bodies



There is need to build hygiene infrastructure to prevent pollution of water bodies.

River Dolphin, an endangered animal needs to be protected







Cleanliness need to become a daily habit by all. Only then we will be able to protect environment and specially the water resources.