UV-C light source for Germicidal Irradiation

- Naval Dockyard (Mumbai) has manufactured a UV sanitisation bay to meet this emerging requirement. The **UV bay** will be utilised for decontamination of tools, clothes and other miscellaneous items, to control spread of the coronavirus.
- The challenging task required ingenuity to convert a large common room into a UV bay by fabrication of aluminum sheets electrical arrangements for UV-C lighting.
- The facility utilises **UV-C light** source for Germicidal Irradiation towards sterilising items.
- Studies by reputed research agencies have proven the effect of **UV-C on respiratory pathogens like SARS, Influenza** etc.
- It has been observed that **microbial pathogens** become significantly less viable when **exposed to UV-C of intensity 1 J/cm² for 1 min or more**, indicating effective sterilisation.
- A similar facility has also been set up at Naval Station (Karanja), where in addition to UV-C steriliser, an industrial oven has also been placed, which heats smaller sized belongings to 60°C, a temperature known to kill most microbes.
- The facility is placed at the entry/exit points where it will help in mitigating COVID-19 transmission.