

INNOVATION BY *INDIAN NAVY* TOWARDS COVID-19

1. Certain in-house initiative/ innovation pursued by the Indian Navy, with an aim to contribute to the ongoing efforts toward COVID-19, which could be useful for the IONS nations is being shared for information.

Patient Monitoring Facility (PMF)

2. Indian Navy, has designed and produced a solution for remote monitoring of Vital Parameters of patients in ICU in order to reduce the risk of transmission of COVID to its health Staff.

3. For remote monitoring, the Audio-Visual output of the bedside Patient Monitoring System is converted to HDMI output and multiplexed for all beds through a Digital Video Recorder and provided onto a big display outside the ICUs from where the staff can monitor the patients. The facility caters to monitor all patients simultaneously or selecting one patient at a time. It also gives out an audio alarm, if any vital is beyond the normal range.



4. Further, the monitoring facility has been made available to Doctors on their Mobile Phone over the internet, which enables them to monitor all patients in the ICU from any place with internet connectivity.

5. The PMF, as described above, can be manufactured at any Ship Maintenance Facility or Repair Yard. If required by any IONS Nation, details could be provided by Indian Navy. Indian Navy could be contacted via email acnsfci@navy.gov.in or through promulgated IONS POC.

