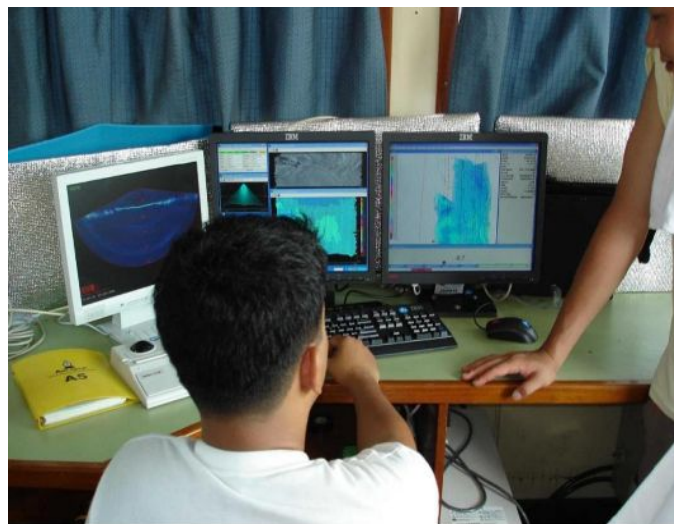


## Enhancement of Hydrographic Capabilities for Navigational Safety

The Coast and Geodetic Survey Department (CGSD) of National Mapping and Resource Information Authority (NAMRIA), the Philippines government, has conducted the project, "Enhancement of Hydrographic Capabilities for Navigational Safety" through the aid of Japan International Cooperation Agency (JICA). In this project, some experts will be dispatched from the Hydrographic and Oceanographic Department (JHOD) of Japan Coast Guard (JCG), Japan government, and they will transfer some technologies to CGSD and give some proposals to CGSD to improve its capabilities of data-aquisition/processing in hydrographic survey, tidal observation/analysis and nautical chart compilation in paper/ENC (Electronic Navigational Chart).

The areas of this project are three areas; Manila, Batangas and Cebu (including the approach to Cebu). This project has already been implemented since the end of March 2006 and then equipment has been provided by JICA for hydrographic survey. Seabat 8101, POS-MV, Sound Velocity Profiler and so on, have installed in BRP Hydrographer Presbitero's motor launch, NAMRIA survey ship, on the first of July 2006 and the hydrographic survey has been implemented in Manila Bay since the middle of July 2006. They are now analyzing and processing the data and after that the chart (paper/ENC) of each area will be compiled and be updated soon. Also the tide gauge equipment, three fixed type tide gauges and two portable type tide gauges, provided by JICA have already arrived at the Philippines on August 2006 and now they are planning to replace the existing tide gauges with them and set up them at suitable places for observation.





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