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About MSSBC

At Present, RDSO specification no. RDSO/PE/SPEC/AC/0184-2015(Rev.0) exist for Design, Manufacture, Testing and supply of Switch Board Cabinet (SBC) consisting of all the power/control switchgear for coach lighting, air conditioning, pantry, pump control, sanitary system and public address system etc. of LHB type AC EOG/HOG Coaches suitable for 3 phase, 750Volts AC, 50Hz system.

With the advent technology, need has been felt to incorporate the latest technical concept/features in the switch board cabinet to optimize the size, to enable GPS based remote monitoring and to improve the user interface of the switch board cabinet.

The existing Switch board cabinet is therefore intended to be redesigned as compact Microprocessor based Smart Board Cabinet(MSSBC) which shall house the power/control switchgear and microprocessor based modules for smooth functioning and monitoring of coach lighting, air condition, pantry, pump control, sanitary system and public address system etc.



MSSBC includes the following

- Switch board cabinet shall house the wired power and control switchgear , measuring/Indicating instruments, protection devices , light, fan, sanitary/pump control, controller of the air conditioning unit, switchgear for the pantry equipment, Disconnecting and Earthing Device, DC-DC converters , measuring monitoring relay, insulation monitoring devices , PICCU, Fire detection controllers, Master standalone controller and GUI TFT Display Module with Accessories etc.
- Standalone SBC Master Control CPU with Accessories. This unit shall control the functional interface of SBC with TFT display module and shall have interface with other electronics controllers i.e. RMPU controller, PICCU, Brake controller, Fire controller etc. It shall also facilitate the remote monitoring & SMS based reporting of selected performance parameters of these electronic controllers to Indian Railway personnel.
- GUI TFT Display Module of 18"to 18.5" size, Accessories (connectors, cables, sensors, switchgears etc.) for display of the Parameters to provide HMI (Human Machine Interface) to above referred stand-alone master controller of MSSBC.
- Mini printer to print trip data through single command from TFT display