

## Annexure-I

### Pre-qualification criteria for Supply, Assembly & Testing of Touch screen & Membrane for Gersys make DDU.

This annexure specifies general technical requirements for the repair/replacement of Gersys (Model No BC3560 & BC3961) Germany make DDU (drive display unit) touchscreen.

- a. Vendor should have experience of any of the following area.
  - i. Embedded PCB hardware Design & develop repair work
  - ii. Firm ware Design & develop repair work.
  - iii. HMI & Touch screen display unit interface repair work.
  - iv. 10.4 inch size display units repair work.
  - v. DDU screen shield repair for traction grade equipments.
  - vi. Resistive Touch screen calibration repair work.
- b. Vendor should submit the Purchase/ work order received and completed.  
Vendor should submit the details along with offers.

Vendor can visit EMRP for a better understanding of the scope of work.

Touch screen used by vendor should be of good quality, DDU touch screen is 5 wire touch screen and it is scanned by a Microchip touch controller. The controller is connected via USB and can work in USB-Mouse or USB-Digitizer mode. The analogue resistive touch screen is laminated by glass to ITO film and ITO glass.

Frame will be provided by BHEL, necessary preparation work for screen assembly to be done by vendor.

Touchscreen must work/function/respond properly as per the requirement of DDU, in no case hair line crack or any malfunction developed within the warranty period.



Mohammad Mushtaque

Sr. Engineer (Prod./QA/Maint./Mktg)



Prakash Mudaliar

Asst.Engineer (Prod.)