

## TECHNICAL SPECIFICATION OF TOUCH SCREEN LCD/TFT DISPLAY (FOR KIOSK)

1. TYPE :- 17" LCD MONITOR
2. HORIZONTAL VIEWING ANGLE :- 160 DEGREE OR MORE
3. VERTICAL VIEWING ANGLE :- 160 DEGREE OR MORE
4. ASPECT RATIO :- 4:3
5. IN-BUILT SPEAKERS :- 1W x 2 OR MORE
6. LUMINANCE :- 300 Cd/m<sup>2</sup> OR MORE
7. CONTRAST RATIO :- 800:1 OR MORE
8. COLOURS SUPPORTED :- 16.7 MILLION
9. NATIVE RESOLUTION :- 1280 x 1024 OR MORE
10. SECURITY :- KENSINGTON LOCK
11. VESA MOUNT :- 100 MM
12. ENERGY STAR :- YES
13. PROTECTION :- IP54 RATING
14. RESPONSE TIME :- 5MS OR LESS
15. TOUCH SCREEN PROPERTIES :-
  - (i) TOUCH SCREEN CONSTRUCTION :- CONDUCTIVE COATING ON GLASS WITH CLEARTEK OR SIMILAR HARD COAT AND TOP COAT.
  - (ii) GLASS THICKNESS :- 3.1 MM ± 1 MM
  - (iii) DURABILITY :- GREATER THAN 225 MILLION TOUCHES
  - (iv) VIEWING ANGLE :- H±65:V +50/-60 DEGREE
  - (v) ACTIVATION :- BARE FINGER
  - (vi) OPERATING TEMPERATURE :- TOUCH SCREEN -40 TO 70 DEGREE CELCIUS
  - (vii) MOUNTING :- TO BE INTEGRATED WITH THE MONITOR WITH PREFERABLY IP54 RATING
  - (viii) LIGHT TRANSMISSION :- 91.5% (±1.5%) LIGHT TRANSMISSION
  - (ix) TOUCH RESOLUTION :- 16K x 16K OR MORE
  - (x) SURFACE SCRATCH HARDNESS :- EXCEEDS SEVERE ABRASION TEST PER MIL C675C  
SCRATCHES BY PICK OF MOH'S HARDNESS RATING LESS THAN 7 DO NOT AFFECT PERFORMANCE
  - (xi) ACCURACY :- WITHIN 1% OF TRUE POSITION
  - (xii) SURFACE OBSTRUCTIONS :- NOT AFFECTED BY SURFACE CONTAMINANTS LIKE DIRT, DUST, GREASE, LIQUIDS
  - (xiii) CHEMICAL RESISTANCE :- RESISTANT TO CORROSIVES AS PER ASTM-D-1308-02 AND ASTM-F-1598-95
  - (xiv) CONTROLLER ELECTRONICS :- ESD +/- 8KV CONTACT, +/- 27KV AIR, MTBF > 7,00,000 HRS  
USB POWER CONSUMPTION < 75 Ma, 5v DC, UL, FCC-B, CE COMPLIANT.
16. MAKE :- HCL, AOC ETC.

