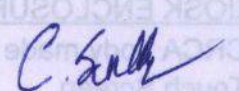
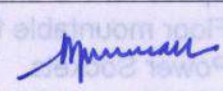


PRODUCT STANDARD
DIGITAL TRANSFORMATION GROUP
BAP/BHEL/RANIPET - 632 406

BHEL: BAP: DTG: REV 01
PAGE 01 OF 04
DATE 09.07.2019

TITLE: TECHNICAL SPECIFICATION FOR TOUCH SCREEN KIOSK

ITEM: TOUCH SCREEN KIOSK

NAME		DESIGNATION	SIGNATURE	DATE
PREPARED	A.Mahesh	Dy.Manager/DTG		09/07/19
CHECKED	C Senthil	DGM/DTG & ITS		09/07/19
APPROVED	M Vijayakumar	S&OM,HR,DTG &CIVIL		09/07/19
ISSUED BY: DIGITAL TRANSFORMATION GROUP				
TOUCH SCREEN				
• Screen Size 21" or higher				
• High transparency, high precision and durability				
• Vandal Proof				
• Projected Capacitive Touch				
• Anti-frost, anti-acid, anti-dust				
• Capacitive, 22.5 Million Touch				
• Accuracy 1% of true position				
• 16K x 16K touch screen resolution				
• Finger Activation, not affected by surface contaminants like dust, grease, moisture, liquids etc.				
REVISION NO 01				09.07.2019

DIGITAL TRANSFORMATION GROUP,
BAP/BHE/RANIPET

SCOPE OF SUPPLY:

Supply, packing, delivery and installation along with accessories/fitings of touch screen kiosk along with installation and configuration of content management software for digital signage.

APPLICATION:

Touch Screen Kiosk for interfacing with BHEL Employee Self Service Portal and digital signage.

CONSTRUCTION:

i. KIOSK ENCLOSURE

- CRCA body made of 1.6mm thick sheet.
- Touch Screen.
- Space for PC and Fan.
- Floor mountable frame.
- Power Sockets
- RS232 and USB interfaces.
- Powder coated for Anti-rust, anti-acid, anti-dust
- Provision for industrial keyboard & tracker ball.
- Kiosk dimension should suit differently abled personnel also.

ii. TOUCH SCREEN

- Screen Size 21" or higher
- High transparency, high precision and durability
- Vandal Proof
- Projected Capacitive Touch
- Anti-rust, anti-acid, anti-dust
- Capacitive, 225 Million Touch
- Accuracy 1% of true precision
- 16K x 16K touch screen resolution Bare
- Finger Activation, not affected by surface contaminants like dust, grease, moisture, liquids etc.
- Should support Multitouch

iii. COMPUTER

- Min Motherboard: Intel® core i3 or higher
- The Intel® integrated graphics core
- VGA & HDMI graphics port 2 SATA II ports (3 Gb/s)
- Min RAM: 4GB or higher
- Min Hard Disk: 500 GB or higher
- Integrated Net Card, Sound Card, Graphic Card

- 1 RS-232 Ports, 6 USB Ports, 1 LTP, 1 VGA, 1 10/100M Net Port
- Computer case and power supply
- OS: Windows 10 or Windows 10 IoT Enterprise Accepted. Software to be licensed on BHEL Ranipet.

iv. PRINTER

- HP A4 Mono/Colour Printer
- Duplex Printing
- Should be compatible with the supplied computer OS.

v. CONTENT MANAGEMENT SOFTWARE(CMS) FOR DIGITAL SIGNAGE

- User access control
- Features to publish images, videos, greeting messages etc.,
- Should have scheduling feature to schedule the content.
- CMS should be able to manage kiosk individually as well in group. (i.e., Based on the requirement same/different content would be hosted on the kiosks)
- Audio aid (Bilingual English / Tamil) is desirable.
- Audio aid should provide guidance for users to operate and access the kiosks.
- CMS data will be stored on onsite server.
- Configuration of the server to be done by vendor to suit the application requirement.
- Using CMS, forms/information would be passed to employee directly and they can take print using the printer inside kiosk. Also, CMS would be used as signage to share common messages for viewing only.

vi. BIOMETRIC ACCESS CUM CARD READER

- User access control using biometric access and card reader.
- Card reader should be able to read mifare card.
- Access control should verify biometric template stored in the card against the finger print.
- Upon successful/unsuccessful login attempt to be logged.
- Biometrics/Card reader is meant for login (access control). Existing BHEL Identity cards (MIFARE based) are holding biometric information of employees. This should be used to verify the access.
- Existing MIFARE Card complies to ISO 14443A standard. The reader should be able to read template stored within the card and compare with the biometric image. Single or Separate unit (Single Integrated Unit is preferable).

INSPECTION AND TESTING:

- i. The bidder has to provide detailed drawing with the dimension and CMS software demo to be arranged during the tender evaluation stage.
- ii. Any modification required in the dimension/CMS software to be incorporated by the bidder with no additional cost.
- iii. Time for submitting drawing – 15 days from PO & Time for approval of drawing by BHEL – 7 days from submission date
- iv. Pre-dispatch inspection and testing will be carried out by BHEL team at vendor works.

DELIVERY PERIOD:

Supply and installation of kiosk and CMS software in 90 days. Total deliverable time (including supply and commissioning is 90 days). Supply – 60 days, Installation & Commissioning – 30 days

WARRANTY:

All the supplied items should be covered with one-year comprehensive warranty with product replacement from successful date of commission.

AMC CHARGES:

Post warranty AMC charges for Kiosk and CMS software to be indicated by bidder during tender stage. Separate PO will be placed for AMC if BHEL opts for AMC.

S.No	Item Description	AMC charges(Excl Taxes) (A)	AMC charges for 2 years(2 x A)
1	Kiosk Enclosure(inclusive of touch screen, PC, etc.,)		
2	CMS Software		..

INCLUSIONS:

- i. The Computer OS shall be used to run CMS software also run Kiosk interface application to connect to BHEL applications. Kiosk application will be developed by vendor.
- ii. Kiosk application will be interface application with access control connecting to BHEL application.

EXCLUSIONS:

Server for CMS installation will be provided by BHEL. Power & Network for kiosk in scope of BHEL.

TRAINING AT BHEL, RANIPET PREMISES:

- a) The Vendor shall provide training at BHEL, Ranipet premises on the procured kiosk and CMS system.
- b) The training course shall be structured and supported by programmed illustrations, video, charts, etc. The training shall be conducted using experienced personnel only.
- c) The Vendor shall provide extensive lecture notes, handouts and other training documentations.
- d) The boarding and lodging of trainer faculty will be responsibility of the Vendor.
- e) Training schedule date shall be mutually discussed and agreed upon. Both User Level Training and Administrator training in kiosk and CMS operations and to ensure familiarity with the system.

SPECIAL CLAUSES:

- 1. Make, Model, Product No and Details of each Item must be mentioned clearly.
- 2. No item shall be offered whose end-of-sale has been declared by the OEM or has been declared to be under phase out.
- 3. Proper documentation, labeling and tagging shall be carried out for all the equipment's used in the entire landscape for easy management and maintenance.
- 4. L1 will be evaluated based on total charges and AMC for two years (including taxes). Quarterly **arrear** payment will be made for the AMC charges.
- 5. The bid having the least total cash outflow (including 2 years AMC) will be considered for order placement.
- 6. BHEL reserves the right to opt for AMC support for the hardware and software at end of one-year warranty period by way of awarding separate AMC contract to bidder at the rate quoted.

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