

Requirement for Digital Display Notice Board

A. Requirement:

ICGEB would like to establish the “Digital Notice Board Solution” Which is complies with the LED TV, Client Device & application software, server side application software, Installation, Implementation, Training and warranty.

Items Required		
Sl.N	Item Description	Qty
1	55 inch Full HD LED smart Android Display with all Accessories with 3 yrs. Comprehensive Onsite warranty	1
2	Client Device with client application with 1 year support services	
3	Server Side Application Software with 1 year support services	
4	Installation, commission, training & handholding	

B. Technical Specifications:

1. Display Screen:

S.L No.	Technical Requirement		Compliance Yes/No	Documentary Proof submitted	Page No
1	Requirement	Minimum 55 inch LED smart Android Display			
2	Make	To be Mentioned by the Bidder			
3	Model	To be Mentioned by the Bidder			
4	HD Technology	Ultra HD (4K)			
5	Resolution	3840 x 2160			
6	HDMI Port	2 or more			
7	USB Port	2 or more			
8	Number of Speakers	2 or more			
9	Speaker Output RMS	Range: 20 W - 30 W			
10	Power Requirement	AC 100 - 240 V, 50/60 Hz			
11	Wifi Type	IEEE 802.11 b, g, n, ac			
12	In built Wifi	Yes			
13	Ethernet (RJ45)	1			

14	Other Internet Features	Smart OS: Android Oreo 8.0			
		Google Playstore			
		Google Chrome Cast or others apps to connect the laptop display on the screen via Wireless network			
		YouTube			
		App Shortcut Button on Remote			
		VOD			
		HEVC Function			
		DMP for UHD content via USB			
		DMP File Allocation Table (FAT / FAT32 / exFAT / NTFS)			
		Google Assistance			
		Google Eco-system			
		Apps: Hotstar, Facebook Video, Sony Liv, ALT Balaji			
		4K Movies Support in USB Mode			
		MPEG/ H.264/H.265 Decoder			
15	Supported Video Formats	.avi, .wmv, .asf, .mp4, .mov, .3gp, .mkv, .mpg, .mpeg, .vob, .rm, .webm, .vro, .ogm, .flv			
	Warranty	Comprehensive Onsite Warranty for 3 yrs			

2. Client Device:

S.L No.	Technical Requirement		Compliance Yes/No	Documentary Proof submitted	Page No
1	Make	To be specify by the bidder			
2	Model	To be specify by the bidder			
1	Memory	2 GB			

2	Operating system Pre-installed OS - PNP	Android 4.4 or higher			
3	Battery	R2032			
4	Storage / Cache	8GB caching			
5	Physical size	Min. 105 x 55 x 20mm			
6	Display Orientation support vertical & horizontal modes	Landscape			
7	Network Internet connectivity	Ethernet / WiFi			
8	LAN Hole	Standard RJ45 interface, can access network line cable to realize the wired internet function.			
9	Screen resolution via single or multi HDMI	1920x1080 x 1 Adjustable Resolution			
10	Total USB Ports external	1 USB hub			
11	USB Host	2.4 GHZ and USB devices can be connected			
12	Power supply interface	DC +5V			
13	AV Output Interface	AV OUT, through the interface , output the AV to the TV or monitor screen by AV line (1 to 3 OR 3 to 1)			
14	Signage Controller	Must support			
15	Plug and Play	Must support			
16	connect and play	Must support			
17	Audio/Video Output	HDMI			
18	Warranty	1 Yrs onsite Comprehensive warranty			

3. Client Application:

S.No.	Description		Compliance Yes/No	Documentary Proof submitted	Page No
1	Platform	Android			
2	Technology	Front End: XML, Java			
		IDE: Android Studio 3.0.1			
		Backend: SQL lite			

4. Server Application:

S.No.	Description		Compliance Yes/No	Documentary Proof submitted	Page No
1	Technology:	Front End – ASP.net C#, JQuery, Java Script			
		Back End – Microsoft Sql Server 2010			
2	Security	There will be different roles based on Work associated with different roles, Users Permissions will be there. So if a user has Permissions to enter the application details, then he will just able to enter.			
		Admin can manage all the users and can assign role based permission to them			
3	Audit Trail	History of every update will be maintained in the system.			
4	Access	It will be a web based platform access by various departments through a secured channel.			
5	Preloaded Library	System should at least contain Preloaded Library of 365 Inspirational/Motivational Quotation, Holiday Messages, Images, templates etc. and system			

		should have capability to extend further.			
6	Quick Ticker	Display text message for announcements, Organization news, achievements, welcome message, RSS Feeds etc. Message can be displayed in different languages.			
7	Display Information	Video, Image, Text message, Website/webpage, news from RSS feeds, Notice (emergency), Weather report etc.			
8	Share wishes	Share messages Birthday Wishes, Anniversaries, retirement day etc. Scheduler for Birthdays, Anniversaries and can be uploaded once in a format specified.			
9	Division of Screen in different panels	User can display multiple information dynamically in the form of Text, Videos, and Pictures etc..... On one screen all together with different schedules. Divide the screen in different panels and each panel has its schedule.			
		Maximum Schedule at one time is 5. 4 in panels and 1 in ticker.			
10	Weather	Can display weather information for the location if connected to internet.			
11	Events/Festivals	All major Indian festival images and messages will display on that particular day (As per Indian Govt. Calendar). Display officially approved conferences updates, Organization new achievement or scheme launchings.			

12	Online URL	Enter online url and show webpage on the screen in any panel.			
13	Promote National language	Displays thought for the day and promote language by "Aaj Ka Shabdh and Aaj ka Vichar". Automatically change on daily basis.			
14	Create Images/Notices	Can customize and create the images using server application.			
15	Remote View	Admin can see the remote view of the screen in the server application.			
16	Schedule	Each an every information which is to be displayed can be scheduled with date and time . Can post the schedule for 1 year on the server Application.			
17	Remotely Update	Information to be displayed on LED/LCD TV/Display screen can be updated remotely from single location.			
18	Text Editor & Highlighter	The text message can be displayed in any one of the panel and can also be highlighted.			
19	Can display	DOC, PDF, JPEG, PPT.			

C. Scope of Work:

1. The solution is expected to be commissioned in one month from date of delivery of the items at ICGEB site.
Location: ICGEB Campus, Aruna Asaf Ali Marg, New Delhi- 110 067 INDIA. Tel: +91-11-26741358/1007
2. All type of installation and implementation regarding Digital Notice Board Solution should have provided by the bidder.
3. ICGEB will provide Virtual server with required configuration to install server application.
4. Training regarding monitoring & handling of Digital Notice Board Solution should have provided by the bidder.
5. The bidder should complete any types of hardware and mounting kit for mounting the LED Display, Client device or network cabling installation from server to client devices.