

Regarding submission of rates to follow the Swiss Challenge process for supply and installation of 1018 nos. Display Board Solutions -Smart TV/ Digital signage based solutions / 1018 nos. display Board solution with thin client on behalf of Punjab and Haryana High Court, Chandigarh.

HARTRON has received an urgent requirement of 1018 nos. Display Board Solutions - Smart TV/ Digital signage based solutions / 1018 nos. display Board solution with thin client to be delivered and installed at various subordinate Courts in the State of Punjab, Haryana and UT, Chandigarh on behalf of Punjab and Haryana High Court, Chandigarh.

As per direction of the Hon'ble Punjab and Haryana High Court, Chandigarh, HARTORN had invited the rates of the all the bidders who had participated in the HARTRON e-tender no. e-Tender/Hartron/Proc/2016-17/54 for Supply and Installation of 56 no. 2 KVA Online UPS on behalf of Punjab & Haryana High Court, Chandigarh. The detail of lowest rate received is as under:-

S#	Item description	Qty	Make & Model	Unit price with 5 years warranty (in INR)	Applicable GST in INR	Total Unit Price inclusive of GST
1.	Option-A. 1018 nos. Display Board Solutions -Smart TV/ Digital signage based solutions (Std. Specification as per Annexure-I)	1018	Make:- LG Model:-32SM5KD	37500.00	10500.00	48000.00
2.	Option-B. 1018 nos. display Board solution with thin client. (Std. Specification as per annexure-I)		Make:- LG Model:- 24BK550	31350.00	5643.00	36993.00

The bids are invited to follow the Swiss Challenge process for purchase of 1018 nos. Display Board Solutions -Smart TV/ Digital signage based solutions / 1018 nos. display Board solution with thin client as per format given below by keeping all terms and conditions same as per e-tender no. e-Tender/Hartron/HW/2017-18/17:-

S#	Item description	Qty	Make & Model	Unit price with 5 years warranty (in INR)	Applicable GST in INR	Total Unit Price inclusive of GST
1.	Option-A. 1018 nos. Display Board Solutions -Smart TV/ Digital signage based solutions (Std. Specification as per Annexure-I)	1018*				

2.	Option-B. 1018 nos. display Board solution with thin client. (Std. Specification as per annexure-I)				
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* Quantity can be increased or decreased at the discretion of Punjab & Haryana High Court.

Note: - The Proof Of Concept (POC) to check functional requirement of offered model of Technically qualified bidders will be obtained at single/multi locations as per directions of Punjab and Haryana High Court, Chandigarh before finalization of the purchase.

The standard specifications of both the options are as under:-

Annexure-I

Option A:-

1018 nos. Display Board Solution-Smart TV/Digital Signage based solution with 5 years warranty:-

S#	Parameter	Minimum required technical specification
Display Monitors		
1.	Make and Model No.	(exact details to be provided by the bidder with its official brochure)
2.	Display Type & Technology	HD Wide Screen Backlit TFT LED Anti-Glare Display
3.	Screen Size	24 inches
4.	Resolution	HO Resolution
5.	Viewing Angle	170 degrees or more horizontal and vertical
6.	Orientation	Landscape
7.	Colour	16 Million or more
8.	Video input	VGA and HDMI/ Display Port If not having the required port, necessary converter required to connect it to the thin client system to be provided with this Display Monitor VGA and HDMI/ Display Port cable included
9.	Energy certification	Energy Star (EPA) ver 5.0/ BEE India Star ver 1
10.	TCO Certification	Relevant Category of TCO Certification required
11.	Mounting	Wall-Arm Mountable through VESA bracket Mounting Kit inclusive
12.	Power Supply	200-250 V AC 50 Hz, power Cable included
13.	Visibility	Must have optimum outdoor visibility
Thin/ Mini PC Client		
14.	Processor	industry standard 1.8 GHz or above speed processor
15.	Video Controller	On board video controller
16.	RAM	2 Gb or above expandable upto 4 GB
17.	Storage	8 GB or above (eMMC/ SSD)
18.	Monitor	18.5" or higher HT LeO Flat HO monitor with 5 ms or better response time
19.	Display Ports	VGA and HDMI/ Dual Display Port If VGA and HDMi or Display Port not there, converter to be provided which may be required to connect the client system with Display Monitor
20.	USB Ports	At least 3 US3 I)orts ver 2.0 or above
21.	VGA Ports	Thin Clients with two VGA ports can also be considered which can allow for separate views on the displays
22.	Bootability	BIOS should support bootability from USB device
23.	Network	Gigabit Ethernet Controller with WOL support Ipv4 & Ipv6 Compliant with RJ45 Port
24.	Mounting	Ultra small form factor chassis mountable at rear side of the

		monitor with VESA Mount Compatible (Wall -Arm Mount Kit included in addition to the Kit required for Display Monitor)
25.	Operating System Compatibility	Embedded WITH Linux OS. All hardware must be compatible with Ubuntu Linux OS 14.04
26.	Hardware Drivers	Supplier to provide latest drivers for all hardware for Ubuntu Linux OS 14.04
27.	Peripheral Devices	Keyboard & Mouse not required
28.	Power Supply	External power adaptor for 200-250 v AC 50 Hz (Power cable included)
29.	Software	Linux & open/ Libre Office embedded in Flash RAM/ Storage JVM Support for Linux Firefox and Mozilla. Multilingual Support Thin Client Management Software
Compatibility between Display Monitor and Thin/ Mini PC Client		
30.	Compatibility	Display Monitors and Thin/ Mini PC Clients to be supplied must be compatible with each other for display connectivity while also adhering to all the technical specifications given in these specifications
Common features of Display Monitor and Thin/ Mini PC Client		
31.	Original Equipment Manufacturer (OEM) Product	Original Equipment Manufacturer (OEM) Manufacturer or its authorized distributor/ dealers with OEM
32.	Warranty	5 years on site Comprehensive Warranty support with L1 support from bidder and L2 support from OEM
33.	Service Centre	Must have/ preferred Company Authorized Service Centre in Capital City/ High Court Place
All the above specifications should be read as equivalent or higher		

Annexure-II

Option: - B:-

1018 nos. Display Board Solution with Thin Clients with 5 years warranty.

S#	Parameter	Minimum required technical specification
Smart TV/Digital Signage Display with URL Launcher		
1.	Product Category	Business / Enterprise
2.	Make and Model No	(exact details to be provided by the bidder With Its Official brochure
3.	Display Type & Technology	HD Wide Screen Backlit TFT I LED Anti-Glare Display
4.	Screen Size	24 inches or bigger (one) and 185 Inches or bigger(one)
5.	Resolution	HO resolution or better
6.	Viewing Angle	160 or more degrees horizontal and vertical
7.	Orientation	Should be capable to display in Landscape and Portrait
8.	Color	16 Million or more
9.	Energy Certification	Energy Star (EPA) ver 5.0/BEE India Star ver1
10.	Contrast Ratio	10000 1 or more
11.	Mounting	Wall Arm Mountable through VESA bracket Mounting Kit inclusive
12.	Visibility	Must have optimum outside Court Room visibility within the Court Complex
13.	Processor	1 GHz or above with 2 MB Cache or more
14.	RAM	RAM:1.5 GB or higher
15.	Storage	8 GB or above (eMMC/SSD) With at least 4 GB free usable
16.	USI:3 Ports	at least 2 USI-3 ports
17.	Network	Gigabit Ethernet Controller With Ipv 4 & IPv6 Complaint with RJ45 Port
18.	Mounting	VESA Mount Controller (wall-arm Mount Kit included In addition to the Kit required for Display Monitor)

19.	Power Supply	External Power Adaptor for 100/200-240 V AC 50 Hz (Power Cable included)
20.	Compatibility	Smart TV/Digital Signage Display with URL launcher supplied must be compatible with 1. Open source signage software (Xibo etc.) 2. Display Board functionality offered in e-Courts CIS NC 2.0 3. HTML5 and CSS3 Web applications
21.	Original Equipment Manufacturer (OEM) Product	Original Equipment Manufacturer (OEM) Manufacturer or its authorized distributor/dealers with OEM
22.	Warranty	5 years on site Comprehensive Warranty support with L1 support from bidder and L2 support from OEM
23.	Service Centre	Must have Company Authorized Service Centre in Capital City/High Court Place
24.	Source Code Sharing	Any applet/application/tool developed by the company or vendor other than embedded OS should be in open source platform and source must be shared with the High Court with know-how documentation.
Note:- All the above specifications should be read as equivalent or higher. Estimated price doesn't provide for any cost of proprietary software.		

To follow the *Swiss challenge procedure for the procurement of required System*, all bidders who are interested to quote their lowest possible rates of Display Board Solutions, as required by Hon'ble Punjab and Haryana High Court, Chandigarh subject to applicability of all terms and conditions of e-tender no. e-Tender/Hartron/HW/2017-18/17, can quote their rates as per the details given above.

Terms & Conditions:

1. All terms and conditions of the -Tender/Hartron/HW/2017-18/17 and released corrigendum (s) is enclosed for your ready reference.

The interested bidders can submit their lowest possible offers in sealed envelopes upto 23.02.2018 in the O/o AGM (H/W), SCO 111-113, Sector-17/B, Chandigarh or O/o Registrar Computerization, Court No.33, 2nd floor, Hon'ble Punjab and Haryana High Court, Sector-1, Chandigarh. The offers which would be received after due date & time will not be considered. The offers in sealed envelopes will be opened before the Hon'ble Executive Committee of the Punjab and Haryana High Court, Chandigarh as per date, time and venue scheduled by the Hon'ble Executive Committee of High Court and the same will be intimated to all concerned within due course.

For any clarification you may contact at O/o HARTRON, SCO 111-113, 4th floor, Sector-17/B, Chandigarh, 0172-2720113, 2722113.