

GOVERNMENT OF INDIA
(Ministry of Home Affairs)
DIRECTORATE GENERAL
CENTRAL RESERVE POLICE FORCE
EAST BLOCK-7, SEC-1, R.K. PURAM, NEW DELHI-110066
(Email:- comncell@crpf.gov.in Tele/Fax:011-26107493)

No. B.V-7/2020-21-C (DVW)

Dated, the 18th February'2021

To

- | | |
|---|--|
| 1. DIG (Comn), ITBP
Block No. 2, CGO Complex
Lodhi Road, New Delhi-03 | 2. DIG (Comn), NSG
Meharam Nagar
Palam, New Delhi-37 |
| 3. DIG (Comn), SSB
East Block-V, R.K Puram
New- Delhi-66 | 4. AIG (Comn), CISF
Block No. 13, CGO, Complex
Lodhi Road, New Delhi-03 |
| 5. DIG (Prov), BSF
Block No. 10, CGO Complex
Lodhi Road, New Delhi-03 | 6. Liaison Office, Assam Rifle
Room No-171, North Block, MHA
New Delhi -01 |

Subject: Regarding QRs/TDs of "LED Datawall panel along with accessories".

Please find enclosed QRs/TDs of "LED Datawall panel along with accessories" as Annexure-"A" duly approved by the competent authority is forwarded herewith for further necessary action.

Encl: (QRs & TDs of "LED Datawall panel along with accessories")



{P.R.Jha, DC (Comn)}
For DIG (Equipment)
Directorate General, CRPF

Qualitative Requirements of LED Datawall Panel along with Accessories

S.N	Parameters	Specifications
A).	<u>Datawall controller for LED display panel</u>	
1	Processor make	Equivalent to Intel Xeon latest generation or better
2	Processor core	4 or more (As per user requirement)
3	Number of processor	As per user requirement
4	Operating system	Windows 10 or above
5	RAM	64 GB or more
6	Nos of hard disk	Minimum 01 SAS/SSD in built and support for additional
7	Each hard disk Capacity	1TB or higher (As per user requirement)
8	Dual redundant power supply	Yes
9	Datawall management software	Yes
10	Types of input port	HDMI/ DP(Display Port)/fiber
11	Input ports/input sources	As per user requirement
12	Type of output port	HDMI/DP
13	Nos of output port, suitable for datawall display	As per user requirement
14	Output resolution per channel	1080P full HD or more
15	Onsite warranty	3 years or more (As per user requirement)
16	Audio output	Minimum 1
17	Video processor	Should support HDMI, DP, Fiber
18	Control via	RS232, Network, Key button , Remote Control
19	Modular design	i) Possibility of flexible configuration, future expandable chasis. ii) Hot-swappable redundant PSU.

S.N	Parameters	Specifications
20	Functions	<p>i) Support all inputs source window on a single screen at a time.</p> <p>ii) Any scalable window size should be possible on any input source display on Wall</p> <p>iv) Real time previewing signal content via control software.</p> <p>iii) Support EDID(Extended Display Identification Data), to read, modify, customize, greatly improves the input signal source compatibility, enabling the device input interface can be adapted to a variety of conventional and unconventional applications occasion.</p> <p>iv) Support screen configuration via Web Interface, server/client.</p>
21	Input expandability	As per user requirement
22	Output expandability	As per user requirement
23	Graphic card	Equivalent to NVIDIA K6000 or latest highend versions and number of graphic cards as per requirement of wall configuration.
Other Parameters (Optional)		
1	3D enabled GIS software support	The controller will also be hosting 3D enable GIS software available with user .The controller to be provided with all suitable graphics card accordingly to be able to host GIS software with 3D feature.
2	3D Requirement	Supports 3D function when working with the 3D emitter with passive 3D glasses, allowing to experience 3D display effects and provide passive 3D glasses.
3	Gigabit Ethernet ports	2 or more (As per user requirement)
B)	LED Datawall Panel (Indoor)	
1	Pixel pitch (in mm)	P 1.2mm \pm 5% or less
2	Display technology	Active LED, the LED tiles must use SMD LEDs which only use gold wires.
3	Lamp light source	LED
4	Pixel configuration	SMD-3-IN-I
5	Life light source	100000 Hrs or more

S.N	Parameters	Specifications
6	Aspect ratio	16:9 or customizable with datawall size
7	Length of wall	As per user requirement
8	Height of wall	As per user requirement
9	Input power	100-240V AC,50/60 Hz
10	Duty cycle	24X7
11	SMD LED Wire type	Gold Wire
12	Horizontal resolution (pixel)	Full HD or better
13	Vertical resolution (pixel)	Full HD or better
14	Bezel to bezel width (mm)	Seamless and no bezel
15	Brightness (nits) calibrated	800 or Higher
16	Onsite warranty	03 years or more (As per user requirement)
17	IP rating (Front)	IP 20 or better
18	IP rating (Rear)	IP 20 or better
19	Refresh rate	3000 or more
20	Response time	8 Milli Second or better
21	Serviceable	Front
22	Contrast ratio	4000:1 or better
23	Calibration process	Dot correction
24	Ethernet ports/ control/communication ports	As per requirement of LED wall size
25	PDU (Power distribution unit)	Surge, over voltage and under voltage protection, control rs 232/IP/RS 485, remote on/off
26	Availability of data wall controller (for multi screen viewing)	Yes
Optional Parameters		
27	3D Capability active/passive (As per user requirement)	3D @ 120 Hz with datawall resolution and more

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S.N	Parameters	Specifications
28	3D Glasses (As per user requirement)	i) 3D glasses and its chargers of same make. ii) 5 years warranty including its battery.
29	RF Emitter for 3D	As per the requirement of area of conference room.
C)	Controller through tablet	
1	Controller through tablet (Optional)	1. Able to remotely control DTH (08 Nos), DVR (02 Nos), LED lights (08 Zone), audio (06 Nos) and datawall through tablet with help of controller application. 2. Application Software developing for remote controller is compatible with any android/IOS phones or tablet.



(S. Chatterjee), ACO
DCPW



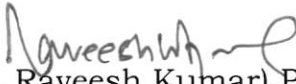
(G. Rajan), AC
SSB



(S. P. Bhowmick), AC
ITBP



(Maj. A. P. Eldo)
NSG



(Dr. Raveesh Kumar), PSO(W)
BPR&D



(J. S. Sikarwar), DC
BSF



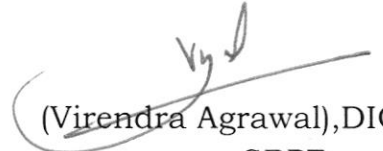
(P. R. Jha), DC(Comn)
CRPF



(Lt. Col. Smita Bagbande)
Assam Rifles



(Harjinder Singh) DIG(Eqpt)
CRPF



(Virendra Agrawal), DIG(Comn)
CRPF



(Ravideep Singh Sahi), IG(Comn & IT)
CRPF



(Zulifiquar Hasan), IPS, ADG(HQ)
CRPF

✓
Approved/Not Approved


Dr. A. P. Maheshwari, IPS
DG, CRPF

S.N	Parameters	Specifications	Trial Directives
21	Input expandability	As per user requirement	BOO will check practically and firm will submit OEM certificate.
22	Output expandability	As per user requirement	BOO will check practically and firm will submit OEM certificate.
23	Graphic card	Equivalent to NVIDIA K6000 or latest highend versions and number of graphic cards as per requirement of wall configuration.	Firm will submit OEM certificate/data sheet.
Other Parameters (Optional)			
1	3D enabled GIS software support	The controller will also be hosting 3D enable GIS software available with user .The controller to be provided with all suitable graphics card accordingly to be able to host GIS software with 3D feature.	Firm will submit OEM certificate.
2	3D Requirement	Supports 3D function when working with the 3D emitter with passive 3D glasses, allowing to experience 3D display effects and provide passive 3D glasses.	Firm will submit OEM certificate.
3	Gigabit Ethernet ports	2 or more (As per user requirement)	Firm will submit OEM certificate.
B) LED Datawall Panel (Indoor)			
1	Pixel pitch (in mm)	P 1.2mm \pm 5% or less	Firm will submit OEM certificate/data sheet.
2	Display technology	Active LED, the LED tiles must use SMD LEDs which only use gold wires.	Firm will submit OEM certificate/data sheet.

The bottom of the page contains several handwritten signatures and initials in black ink. From left to right, there is a signature that appears to be 'Mr. Anand', followed by a signature that looks like 'Anand', then a signature that is partially legible as 'Sharma', and finally a signature that looks like 'Sharma'. There are also some initials and marks scattered around these signatures.

S.N	Parameters	Specifications	Trial Directives
3	Lamp source light	LED	Firm will submit OEM certificate/data sheet.
4	Pixel configuration	SMD-3-IN-I	Firm will submit OEM certificate/data sheet.
5	Life light source	100000 Hrs or more	Firm will submit OEM certificate/data sheet.
6	Aspect ratio	16:9 or customizable with datawall size	Firm will submit OEM certificate/data sheet.
7	Length of wall	As per user requirement	Firm will submit OEM certificate/data sheet.
8	Height of wall	As per user requirement	Firm will submit OEM certificate/data sheet.
9	Input power	100-240V AC,50/60 Hz	Firm will submit OEM certificate/data sheet.
10	Duty cycle	24X7	Firm will submit OEM certificate/data sheet.
11	SMD LED Wire type	Gold wire	Firm will submit OEM certificate/data sheet.
12	Horizontal resolution (pixel)	Full HD or better	Firm will submit OEM certificate/data sheet.
13	Vertical resolution (pixel)	Full HD or better	Firm will submit OEM certificate/data sheet.
14	Bezel to bezel width (mm)	Seamless and no bezel	Firm will submit OEM certificate/data sheet.
15	Brightness (nits) calibrated	800 or Higher	Firm will submit OEM certificate/data sheet.
16	Onsite warranty	03 years or more (As per user requirement)	Firm will submit OEM certificate/data sheet.
17	IP rating (Front)	IP 20 or better	Firm will submit certificate of Govt. Lab. or NABL/ILAC accredited laboratory.


Mr. Anvesh Singh


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S.N	Parameters	Specifications	Trial Directives
18	IP rating (Rear)	IP 20 or better	Firm will submit certificate of Govt. Lab. or NABL/ILAC accredited laboratory.
19	Refresh rate	3000 or more	Firm will submit OEM certificate/data sheet.
20	Response Time	8 Milli Second or better	Firm will submit OEM certificate/data sheet.
21	Serviceable	Front	Firm will submit OEM certificate/data sheet.
22	Contrast ratio	4000:1 or better	Firm will submit OEM certificate/data sheet.
23	Calibration process	Dot correction	Firm will submit OEM certificate/data sheet.
24	Ethernet ports / control/communication Ports	As per requirement of LED wall size	BOO will check practically and firm will submit OEM certificate.
25	PDU (Power distribution unit)	Surge, over voltage and under voltage protection, control rs 232/IP/RS 485, remote on/off	BOO will check practically and firm will submit OEM certificate.
26	Availability of data wall controller (for multi screen viewing)	Yes	BOO will check practically and firm will submit OEM certificate.
Optional Parameters			
27	3D Capability Active/passive (As per user requirement)	3D @ 120 Hz with Data wall resolution and more	Firm will submit OEM certificate/data sheet.
28	3D Glasses (As per user requirement)	i) 3D glasses and its chargers of same make. ii) 5 years warranty including its battery.	Firm will submit OEM certificate/data sheet.
29	RF Emitter for 3D	As per the requirement of area of conference room.	Firm will submit OEM certificate/data sheet.

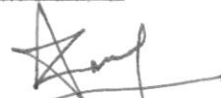
Mr. Anand Singh
 Mr. J. M.
 Mr. Sharma
 Mr. Singh

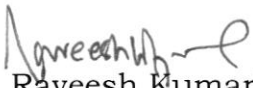
S.N	Parameters	Specifications	Trial Directives
C)	<u>Controller through tablet</u>		
(i)	Controller through tablet (Optional)	<p>1. Able to remotely control DTH (08 Nos), DV0052 (02 Nos), LED lights (08 Zone), audio (06 Nos) and datawall through tablet with help of controller application.</p> <p>2. Application Software developing for remote controller is compatible with any android/IOS phones or tablet.</p>	Firm will submit OEM certificate/data sheet.


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DCPW

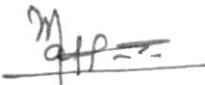

(G.Rajan), AC
SSB



(S.P.Bhowmick), AC
ITBP

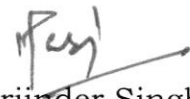

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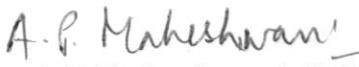

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CRPF


(Ravideep Singh Sahi), IG(Comn &IT)
CRPF


(Zulifiquar Hasan), IPS, ADG(HQ)
CRPF


Approved / Not Approved


Dr. A P Maheshwari, IPS
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