

**NATIONAL COUNCIL OF SCIENCE MUSEUMS  
SECTOR-V, BLOCK-GN, BIDHANNAGAR,  
KOLKATA – 700 091.**

TENDER NO. I-18012/7/21(324)

**Technical Specification**

**SUPPLY OF DLP Projector with Laser Light Source STRICTLY AS PER ENCLOSED TECHNICAL SPECIFICATIONS and NIT of tender document.**

**DLP Projector with Laser Light source**

**- 02 Sets**

*Detailed Technical Specifications:-*

Native Resolution: 1920X1080 pixels  
 Native Aspect Ratio: 16:9  
 Brightness: Minimum 4000 ANSI Lumens  
 Contrast Ratio: 300000:1 or better  
 Lens Type: Around 1.3X Manual Zoom & Focus, **360-degree and portrait projection**  
 Lens Offset: Around 95% to 110%  
 Light Source: Laser Phosphor  
 Light Source Life: Minimum 20,000 Hours  
 Screen Size: Around 30 to 300 inch diagonal  
 Projection Range: 1m to 8m  
 Throw Ratio: Around 1.21–1.59 or better  
 Keystone Correction:  $\pm 40^\circ$  Vertical  
 Uniformity:  $\geq 85\%$   
 Colour Reproduction: Full colour, up to 1 billion colours  
 Power Source: AC100 to 240V, 50Hz  
 Video Signal Compatibility: DTV/HDTV 480i/480p/576i/576p/720p/1080i/1080p  
 Computer Input: UHD, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac

Input/Output: 1 x HDMI 2.0, 1 x HDMI 1.4a 3D support, 1 x VGA (YPbPr/RGB), 1 x Audio 3.5mm  
 OUTPUTS: 1 x Audio 3.5mm, 1 x USB-A power 1.5A  
 Noise Level:  $\leq 32$ dB  
 Control Terminal: 1 x RS232, 1 x RJ45, 1 x micro USB service

**Ultimate Control: Crestron, Extron, AMX, PJ-Link and Telnet LAN Commands**

2D compatibility : NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4.43MHz SECAM B/D/G/K/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)  
 3D compatibility : Side-by-Side: 1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60  
 Over- Under: 1080p24, 720p50 / 60  
 3D security : Full 3D security bar , Kensington lock , Password protected interface  
 IP rating : IP6X

**Dated**

**Official Seal**

**Signature of the Tenderer/Constituted Attorney**

Operating Temp.: Around 5 to 40°C or better

Operating Humidity: Around 20 to 85% or better

Operational Sustainability: 24 x 7

Speaker : 10 Watt

LAN Control : Yes

Should have free orientation for powered operation.

Should be dust resistant.

Should have facility for instant ON and OFF.

Should have Remote Control having range around 15 ft.

Security Compatibility: Kensington Compatible / Power On Password

Should have Ceiling Mounting facility.

**Accessories to be supplied: (1) Wireless Remote Control with batteries,  
(2) RGB Cable**

***Warranty: Minimum 3 years with Parts and Labour for the Projector at Guwahati, Assam***

Tender specific Manufacturer's Authorisation Certificate is to be provided.

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**SUPPLY OF DLP Projector with Laser Light Source STRICTLY AS PER ENCLOSED TECHNICAL SPECIFICATIONS Annexure F and NIT of tender document.**

**Make & Model Sheet**

Sl. No.	Description of Items	Quantity	Make & Model Offered (To be entered by bidder)
01	DLP Projector with Laser Light Source as per council's technical specification Annexure F	02 Sets	

Dated

Official Seal

Signature of the Tenderer/Constituted Attorney