**TENDER SPECIFICATIONS FOR PURCHASE OF LIGHTS & FITTINGS**

Requirement for the Himalayan Art Gallery

1. Dimmable and non-dimmable LED Lamps to be supplied along with dimmable Drivers with surface-mounted and / concealed fittings/track spot.
2. LED Flexi Strip and profile Lights with drivers.

Specifications of the LED Lamps

* 1W LED Lamps with no UV and IR radiation.
* Dimmable from 0% to 100% using standard Dimmers.
* Replaceable, without change of fittings.
* 1W in Warm White, Cool White (CCTs of 3000K and 4000K).
* 9W track spot in Warm White and Cool White (CCTs of 3000K and 4000K).
* High Colour Rendering Index (CRI) of Ra80 and over.
* High Luminous maintenance. Rated Lumen Maintenance Life of 70 (L70) at up to 50,000 hours.
* Different Beam Angle Options.
* Operating Temperature : minimum
* Energy Efficiency Label (EEL) – A.
* 3-years Performance Warranty on Lamp & Lumen Depreciation of more than 10%.

Specifications of the LED Strip Lights

* LED Flexi Strip and profile Lightsno UV and IR radiation.
* Should work with most conventional LED constant voltage drivers with an output voltage of DC 24V.
* Capable of dimming when working with a Pulse Width Modulation (PWM) dimmers.
* IP Rating of IP 68.
* Colour Rendering Index (CRI) of minimum Ra78.
* High Luminous maintenance. Rated Lumen Maintenance Life of 70 (L70) at up to 50,000hours.
* Operating Temperature : minimum
* Energy Efficiency Label (EEL) – A.
* 3-years Performance Warranty on Lamp & Lumen Depreciation of more than 10%.

Please refer annexure for details of quantities required.

Please send the quotations in sealed envelops superscribed with “Quotation for Lights & Fittings” addressed to

The Director General,

Chhatrapati Shivaji Maharaj Vastu Sangrahalaya

(Formerly Prince of Wales Museum)

159-161, M G Road, Fort, Mumbai-400 023

**Last Date for submission: 8th March 2016 upto 4 PM.**

Annexure

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| Sub: Requirement of lights & fittings |

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| **LED tipe** | **LED Lights specification** | **LED lights**  **Quantity** | **Description** | **warranty** | **prize** |
| 1w LED | 1” inches feting height,  ‘10’ degree beam angel, dimmable ,  360movement | 120 | Use for table cases |  |  |
| 1w LED | 1” inches feting height,  ‘12’ degree beam angel, dimmable ,  360movement | 50 | Use in the wall hanging cases |  |  |
| 1w LED | 1” inches feting height,  ‘8’ degree beam angel, dimmable ,  360movement | 20 | Use in the shrine |  |  |
| 9w COB track spot  6 PCS 4000K  24 PCS 3000K | Dimmable,  ‘24’ degree beam angel | 30 | Text panel |  |  |
| Night lights  LED Flexi Strip and profile | 4000K | 4 |  |  |  |
| Light Motion detector |  | 4 | Tankaha |  |  |