

## **Specifications of the Metal Halide Lamps**

**(Ref # MEE/2014/SSG/MH Lamps)**

Quotations are invited for the supply of metal halide lamps for a customized lab-scale solar simulator. The specifications of the lamp and the other accessories are given below.

### **Metal Halide Lamp**

1. Integrated metal halide lamp with reflector housing, control gear box (ballast) and other accessories – 5 No's
2. Spare Metal halide lamp – 2 No's

### **Metal halide lamp Specifications:**

<b>LAMP</b>		
Lamp type	:	Short arc Metal halide (Clear)
Lamp Power rating	:	2000 W, 230 V, 50 Hz.
Lamp color temperature	:	Direct sunlight ~ 6000 K
<b>REFLECTOR</b>		
Reflector material	:	Polished specular aluminum
Geometry	:	Parabolic, Narrow beam, Type -2

### **Control gear box or Ballast Specifications:**

<b>CONTROL GEAR BOX (BALLAST)</b>		
Housing Material	:	Die-Cast Aluminum
IP Rated	:	IP65

**Note: The metal halide lamp must be supplied with body frame, reflector, and toughened protection glass, mounting bracket, rear cover and lamp holder.**

The price quoted should also include the cost for freight, insurance and other handling charges. The corresponding sealed quotation has to be sent to:

Prof. T. Sundararajan  
Dept. of Mechanical Engineering,  
IIT Madras, Chennai-600036,  
Tamil Nadu, India.

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