

TECHNICAL SPECIFICATIONS AND OTHER ALLIED REQUIREMENTS

No. PUR/08/ASL/AM/E/2021-22

SI	Specification	Qty
1	LED Light source with accessories [Specification are given in annexure -1]	1 No.
2	Parabolic Mirrors [Specification are given in annexure -2]	2 Nos.
3	Plane Mirrors [Specification are given in annexure -2]	2 Nos.

1. WARRANTY

1.1 Standard OEM Warranty.

Annexure 1

Details of LED light source and its accessories

1. Light source

LED = 3W high bright White

Intensity = adjustable

Condenser optics = Multi-element design

2. Gimbal Mirror Mount for 300mm Parabolic Mirrors (Quantity = 2 Nos.)

Fine travel = ± 6 degree

Travel range = 360 degree

Linear resolution = 0.01mm (Least count for micrometer)

Construction material = Aluminium alloy

3. Gimbal Mirror Mount for 200mm Plane Mirrors (Quantity = 2 Nos.)

Fine travel = ± 6 degree

Travel range = 360 degree

Linear resolution = 0.01mm (Least count for micrometer)

Construction material = Aluminium alloy

4. Knife Edge with positioning mount (Quantity = 1 set)

Ram pyare Singh
01/02/2021

Annexure 2

Detailed specifications of Mirrors

1. Parabolic Mirrors (Quantity = 2 Nos.)

Diameter = 300mm,

Focal length = 1500mm

Surface quality = 40 – 20 (Scratch-dig)

Material = Borofloat,

Coating = Protected aluminium

Reflectivity $R_{avg} = > 88\%$ @ 450-2000nm

2. Plane Mirrors (Quantity = 2 Nos.)

Diameter = 200mm

Surface quality = 40 – 20 (Scratch-dig)

Material = Borofloat,

Coating = Protected aluminium

Reflectivity $R_{avg} = > 88\%$ @ 450-2000nm

Ram pyone Singh
01/02/2024