

Request of Proposal for RC Truss Tube Telescope

1. Technical Specifications of Item

Technical Specifications of item (RC Truss Tube Telescope)		
Sr. No.	Specification	Specification Value
1	Optical Design of Telescope	Ritchey Chretien
2	Aperture Size	300mm ± 3%
3	F Number	F/8
4	Optics Type	Hyperbolic Mirror
5	Optics Material	Low thermal expansion quartz mirrors
6	Reflectivity of Mirrors	≥ 90%
7	Resolving Power	≤ 0.4 arc sec
8	Back working distance	Between 300mm to 400mm
9	Magnification capability	≥ 500x
10	Separation between mirrors	≤ 700mm
11	Material of Tube	Low Thermal Expansion Carbon Truss Tube
12	Baffle	Multiple knife edge baffles
13	Focuser	3 inch dual-speed Linear Bearing Crayford
14	Mass of Telescope	≤30Kg
15	Accessories	2-inch eyepiece – 1Qty

2. General Terms and Conditions

Indented Specification	Vendor's Response
<ul style="list-style-type: none"> • The indented items shall have warranty of one year. 	
<ul style="list-style-type: none"> • The vendor shall deliver all the items within 4 months from date of purchase order. 	
<ul style="list-style-type: none"> • The vendor shall mention model number of product while submitting quote. 	
<ul style="list-style-type: none"> • Packaging: Indented item shall be packed carefully in order to protect it from damage during shipment from the vendor's premises to SAC. 	
<ul style="list-style-type: none"> • The vendor shall be responsible for supply and installation of product at SAC. 	
<ul style="list-style-type: none"> • Vendor is required to submit compliance table at the time of submitting quote, refer below tables for sample compliance table. 	

Table: Compliance table for Item

Sr. No.	Indented Specification	Indented Specification-Value	Specification value offered by	Compliance (Yes or No)

			Vendor (To be filled by vendor)	(Vendor to fill in Yes or No only)
1	Optical Design of Telescope	Ritchey Chretien		
2	Aperture Size	300mm \pm 3%		
3	F Number	F/8		
4	Optics Type	Hyperbolic Mirror		
5	Optics Material	Low thermal expansion quartz mirrors		
6	Reflectivity of Mirrors	\geq 90%		
7	Resolving Power	\leq 0.4 arc sec		
8	Back working distance	Between 300mm to 400mm		
9	Magnification capability	\geq 500x		
10	Separation between mirrors	\leq 700mm		
11	Material of Tube	Low Thermal Expansion Carbon Truss Tube		
12	Baffle	Multiple knife edge baffles		
13	Focuser	3 inch dual-speed Linear Bearing Crayford		
14	Mass of Telescope	\leq 30Kg		
15	Accessories	2-inch eyepiece – 1Qty		

3. Deliverables

Sr. No.	Item Name	Quantity
1	RC Truss Tube Telescope	1 Number
2	Accessories: 2-inch eyepiece	1 Number