

SAVITRIBAI PHULE PUNE UNIVERSITY
DEPARTMENT OF CHEMISTRY

परिशिष्ट 'क'

Ref. No. Enquiry /Quot/Chem/Store/23-24/ 68 /06.12.2023

GSTIN : 27AAAJT0519R1ZL

Quotations are invited for the supply of following goods/carrying our the work, so as to reach this office on or before

To,
O/C
FOR WEB PUBLISHING

DUE DATE

30.12.2023

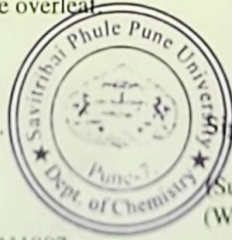
Sr. No.	Description of Materials/Item/Work	Approximate Quantity	Rate Per unit	Amount (Rs.)	Remarks
1.	CLASS AAA SOLAR SIMULATOR WITH ACCESSORIES. (SPECIFICATION AS PER ATTACHED)	01 NO			

- Note : 1) Quotation validity atleast 90 days from due date.
2) Payment 30 days after satisfactory delivery & installation.
3) Please send your quotation along with authorized dealers/manufacturer certificate.

1. Octroi Exemption Certificate will be issued for the goods supplied from the places outside Pune Municipal Corporation Limits.
2. Excise duty/Exemption Certificate/Sale Tax form will be issued if applicable.
3. Please mention - STR NO. _____ CST No. _____
4. Please give the quotation on letterhead as mentioned above without any changes and additions.

Note : For other terms and conditions see overleaf

Signature :



Signature :

Head
Department of Chemistry
Savitribai Phule Pune University, Pune-411007.

(Supplier)
(With Stamp)

P.T.O

HEAD
Department of Chemistry
Savitribai Phule Pune University
Pune - 411 007.

TERMS AND CONDITIONS

1. Mention Quotation No. on the envelope.
2. Quote rate per unit and date of validity. Date of Validity should be minimum of 45 days from the last date validity of submitting the quotation.
3. Submit Sample/Catalogue of the material with quotation if necessary.
4. **Quotation must be sent alongwith the covering letter on your letterhead quoting your VAT Registration number and as per description given without making any changes/ addition.**
5. Conditional quotation will not be accepted.
6. Delivery within days from the date of order at the Chemistry Department of the Savitribai Phule Pune university.
7. Work to be completed within days from the date of order of the Savitribai Phule Pune University.
8. Quotation will be rejected in case of even a single correction or overwriting. Only clear & uncorrected quotation will be accepted.
9. Payment as per actual measurements wherever applicable.
10. Payment will be made by cross cheque only and after satisfactory delivery & installation.
11. Income tax will be deducted as per prevailing rule.
12. Water charges 2% will be recovered, if used.
13. In case of works and service contracts Security Deposit will have to be deposited by the contractor in following manner :
 - (a) 2.5% before commencing the work.
 - (b) 2.5% will be deduced from the R. A. Bill.
14. Electricity charges will be recovered as per rules if used.
15. Savitribai Phule Pune University will issue Octroi Exemption Certificate if applicable.
16. Excise Duty Exemption Certificate/Sales Tax form will be issued, if applicable.
17. Rates quoted should be inclusive of all taxes with tax details e.g. Excise duty, Custom duty, VAT, Packing forwarding etc., TOT@ % S.C. & ST @ % @ % @ %
18. The above terms and conditions are acceptable.

Signature of the Supplier/Contractor.
(With Stamp)

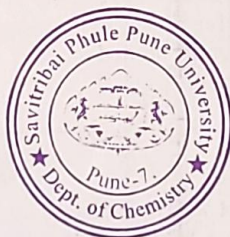
Sr.NO	SPECIFICATION	DESCRIPTION
	Class AAA Solar Simulator	
1	Area of illumination	2x2 inch
2	Spectral match, Beam Non- uniformity, Temporal Instability classification	Class AAA with A (IEC 60904-9) A (JIS 8904-9) A (ASTM E927-10)
3	Non-Uniformity	$\leq \pm 2\%$
4	Spectral range	400 to 1100 nm as per IEC Standard for Class A with AM 1.5G Filter
5	Typical power output	0-1.2 Suns
6	Lamp power	≥ 400 W Xenon arc ozone free or higher watt lamp.
7	Lamp life	>1000 hrs
8	Head orientation angle	Horizontal or vertically downwards illumination (or interchangeable)
9	Power required for simulator	To meet with Indian Power Standards.
10	Power Supply Line regularity & Output Voltage Ripple and output Adjustability	0.01% & <0.05% Power Supply should be adjustable to vary the Power between 300-550 Watt.
11	Simulator should run for at least 24 or more hours continuously for Photochemical reaction studies. Quoted model should have installed at similar experimental labs in India and user details should be provided.	
12	Xenon based Simulators should have better Spectral correction at 700 to 1100 nm to avoid heat contributed reactions to the sample. Please share the output Spectra for 400-1100 nm range of the quoted model.	
13	For better and black spot free light illumination at sample and better uniformity on long run, the Simulator should be fibre free and diffuser free optical system. Please share the Simulator light path design for the quoted model.	



Shreekrishna

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14	<ul style="list-style-type: none"> • Should have Temperature sensors and interlocks to ensure operator safety. • Proper Cooling system should be included for Solar Simulator safety and interlock should be there to ensure safety of the instrument. • Lamp replacement should be simple and easy. • To reduce stray light non-reflective black finish should be there. • Optical Design should able to maintain Spatial Uniformity for long time running. • One Xenon lamp should be given complimentary along with the system. 	
I	Solar Reference Cell with Meter	Calibrated Reference solar cell with thermocouple along with Meter should be provided to measure illumination in Sun units. 0 to 3 Sun measurement range should be available for the meter. Reference cell should come with calibration certificate.
II	Annual Maintenance Contract	3 years AMC with one-time free replacement of ozone free Xenon arc lamp.
III	Optional Accessories for I-V measurement	Arrangement to measure I-V curve under dark and light illumination
IV	Warranty	Minimum 3 years
V	Important Note	<ol style="list-style-type: none"> 1. Globally acclaimed companies having reputation in designing and manufacturing of AAA solar simulators for several decades will be given the preference. 2. Please send commercial and technical seed separately



(Handwritten Signature)

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