

Government of India
Bhabha Atomic Research Centre
Laser & Plasma Surface Processing Section
Trombay, Mumbai - 400085

REF: L&PSPS/Works/ **AG/19/92927**

Date: 15/05/2019

Sub: Invitation of quotations for Minor Fabrication

Dear Sirs,

1. Quotations are invited for the minor **fabrication and supply of high resistivity n-Si prime wafer** with dimensions and properties as specified in Annexure D.
2. Bidder shall quote for fabrication and supply of the high resistivity n-Si wafers.
3. Taxes and excise duties shall be quoted separately.
4. The quotations must reach, **Head, Laser & Plasma Surface Processing Section** before 28th May 2019 and must be sent in a sealed envelope *super scribed* with the above reference number and due date given above.
5. The address on the envelope should read:
Head, Laser & Plasma Surface Processing Section
Beam Technology & Development Group
Bhabha Atomic Research Centre, Trombay, Mumbai-400 085.
(Attn.: **Ms. Arundhati Bute**)
6. The bidder shall have to take insurance policy against any material issued to him by the purchaser.
7. The fabrication work shall be subject to inspection by our engineer. The finished components shall not be dispatched prior to approval by our engineer at bidder's works. Necessary inspection facilities should be provided to our engineers during fabrication at bidder's premises.
8. The bidder shall deliver the finished product at **PRIP Shed, BARC, Trombay within 30 days** from the date the firm work order is issued to the bidder.
9. Head, Laser & Plasma Technology Division, BARC, reserves the right to accept/ reject any or all quotations without assigning any reason.
10. PAN number and VAT number must be given.

Encl.: As above.

Copy to:

1. Head SIRD, BARC
2. In charge, Notice Board, V. S. Bhavan, Anushaktinagar, Mumbai-94
3. BARC Site Notice Board.
4. AAO, Works, Account Division, BARC


15/5/19

R. K. Rajawat
Associate Director, BTDG

Annexure: Bmt
15/05/19

Annexure "D"

1. Description and Scope of work:

Scope of the work includes:

Sl. No	Name of items	Qty.
1.	Fabrication and supply of high resistivity n-Si prime wafer	25

1. Procuring material of appropriate dimension, quantity and quality, fabrication of the components as per the design and specification, delivery of the item to the users place.
2. Work shall be carried out to Indian Standards and Code of Practices. In absence, latest issue of International Standards shall be followed.

Any discrepancies / conflict noticed shall be directed to the Executing Officer for his direction/approval.

Detailed Specifications:

Material:	HPS, High Purity Silicon.
Orientation:	(1-0-0) +/- 0.5 deg
Growth:	FZ
Grade:	Prime
Type/Dopant:	n/Ph
Resistivity:	> 5000 ohm-cm
Thickness:	525 ±25µm
Diameter:	100 ±0.3 mm
Surface Finish:	Single side mirror polished
Flats:	2, SEMI-Std
TTV (µm):	< 10
Bow (µm):	< 30
Wrap (µm:)	< 30
Edge Rounding:	Standard
Carbon (atoms/cm ²)	< 2.0x1E16
Oxygen (atoms/cm ²)	< 2.0x1E16
Packing Method:	Standard clean-room cassettes

For queries please contact the following person.

Ms. Arundhati Bute

Laser & Plasma Surface Processing Section

Bhabha Atomic Research Centre, Mumbai-400085

Contact No: 022 25590516, email: abute@barc.gov.in