

Government of India
Bhabha Atomic Research Centre
Laser & Plasma Technology Division

Trombay, Mumbai-85.
Date: 31/05/2018

REF: LPTD/Works/YC/18/ 109377

To

Sub: Inviting quotation for fabrication

Dear Sirs,

1. Quotations are invited for the fabrication of **Plasma Spray Grade Silicon Powder from fine powder as per specifications attached**
2. Bidder shall quote for fabrication along with components involved separately.
3. GST shall be quoted separately. Form H shall be provided where necessary.
4. The quotations must reach, **Head, Laser & Plasma Technology Division** by **12-06-2018** 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 Technology Division
Bhabha Atomic Research Centre, Trombay, Mumbai-400 085.
(Attn.: **Y.Chakravarthy**)
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 components after approval by our engineer, within **15 days** from the date the firm purchase order is issued to the bidder. The finished components and the scrap from the free issue material shall be delivered by the bidder at **PRIP Shed, BARC, Trombay.**
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 GSTIN number must be given



(Dr. Srikumar Ghorui)
Head, TPTS, L&PT Division

Encl.: As above.

Copy to: Accounts Officer, GSS
Head, SIRD, BARC
In charge, Notice Board, V.S.Bhavan, Anushakti Nagar
BARC site notice board

The quotations will be opened at 16.00 Hrs on 13-06-2018

Fabrication of Plasma Spray grade Silicon powder from fine powder

Description: Plasma spray grade powder is used as a feedstock powder in plasma spray coatings. The powder should be in micron size with narrow range and good flow ability. Fine powder are converted into spray grade quality by various techniques such as agglomerated & sintered, fused & crushed, sintered & crushed etc.. The final powder should have the following specifications

| | |
|---------------|-------------------------|
| 1. Material: | Silicon (Si) |
| Type: | Powder |
| Purity: | >99.9% |
| Powder size: | - 75 μ m+15 μ m |
| Flow ability: | 50 gr / <100 sec's |
| Quantity: | 20 Kg |

Other Terms and Conditions:

1. Initial powders has to be procured by supplier itself. Purchaser will not supply the powder
2. Nano size powder or very fine powder is not suitable for our plasma spray coating
3. The supplier should provide powder shape, size and manufacturing process clearly without which quotation will not considered.
4. The supplier should supply sample powder (around 50 gram each) if required to test in our lab
5. Flow ability will be checked as per ASTM C633 standard and should match with commonly used thermal spray grade powders
6. Powder size given is approximate