

दूरभाष :  
TELEPHONE : 5505050/00/10,5563120 extn.4852  
तार : बार्क-मुंबई, चेम्बुर.  
TELEGRAMS: BARC-MUMBAI, CHEMBUR.  
टेलिक्स : ९-६९०९७/०९९-६९०२२ बार्क ईन  
TELEX: 011-61017/011-61022 BARC IN  
फेक्स संख्या : ९९-२२-५५६०७५०  
FAX NUMBER: +91-22-5505151/5519613



सत्यमेव जयते

भारत सरकार  
GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र  
BHABHA ATOMIC RESEARCH CENTRE  
URANIUM EXTRACTION DIVISION

ट्रॉम्बे,  
मुंबई-४०० ०८५.  
TROMBAY,  
MUMBAI-400 085.

Ref: UED/PL.13/17/1434

July 25, 2017

Subject: Fabrication and supply graphite crucible (20 no)

Tender no : BARC/UED/SC/17073 due on : 11.08.2017

Dear Sir,

Quotations are invited in sealed envelope for and on behalf of The President of India acting through Head, UED for the above stated subject job as per the following terms and conditions. **Please note that quotations shall be submitted on printed letterheads and must bear PAN no/VAT no/Sales Tax no/Service Tax no/TIN no etc. Quotations not complying with them are liable to be rejected.**

1. Job description: Fabrication and supply of graphite crucible as per the attached specification and drawing
2. Quantity : 20 no
3. Free Issue Material: Electricity, water and general work shop facility
4. Charges: Basic cost, GST, P&F and transportation. Complete breakup may please be given in the offer.
5. Delivery: Within 60 days
6. Guarantee: You shall give guarantee against any manufacturing defect and trouble free performance for a period of one year from the date of fabrication/modification.
7. Deduction of Income taxes: Income Tax @ 2% will be deducted from your bill.
8. Payment: 100% after satisfactory completion of work and submission of the following documents.
  - a. Delivery challan
  - b. Original Invoice
  - c. Advance stamped receipt
  - d. PAN/GST/TIN Number etc.
  - e. ECS mandate form

Please note that any delay, which is attributable to the party, is liable to penalty @ 0.5% per week (max. 5.0%) to be imposed on the contractor.

9. TERMS AND CONDITIONS:

*Note: [Reference: (2/Misc-9/Lgl/2001/92 dated April 30, 2001, BARC)]*

- I. Confidentiality: No party shall disclose any information to any third party concerning the matters under this contract generally. In particular, any information identified as "Propriety" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party.

This clause shall apply to the sub-contractors, consultants, advisers or the employees engaged by a party with equal force.

- II. "Restricted information" categories under Section 18 of the Atomic Energy Act, 1962 and "Official Secrets" under Section 5 of the Official Secrets Act, 1923:-

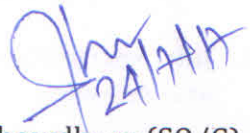
Any contravention of the above -mentioned provisions by any contractor, sub-contractor, consultant, adviser or the employees of a contractor will invite penal consequences under the aforesaid legislation.

- III. Prohibition against use of BARC's name without permission for publicity purposes:

The contractor or sub-contractor, consultant, adviser or the employees engaged by the contractor shall not use BARC's name for any publicity purpose through any public media like Press, Radio, T.V. or Internet without the prior written approval of BARC.

**Quotations should reach on or before the stipulated date to Head, UED in sealed envelope through speed post or ordinary post mentioning clearly the tender no and due date.**

Thanking you,

  
S Chowdhury (SO/G)

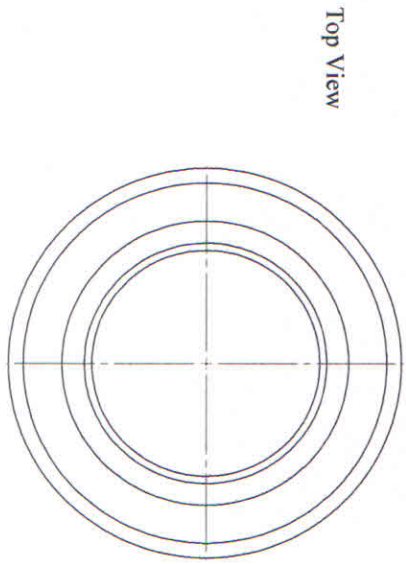
## BRIEF TECHNICAL SPECIFICATIONS OF GRAPHITE CRUCIBLE (500kg)

For testing of raw material quality, contractor should supply a "machined test specimen" in the form of a solid cylinder [ $\text{Ø}2" \times \text{H}6"$ ] or a rectangular block [ $2" \times 2" \times 6"$ ]. Quotations without the machined test specimen may not be considered. Apart from this, the supplier has to furnish the raw material test certificate for chemical and physical from a reputed govt. approved laboratory along with the offer.

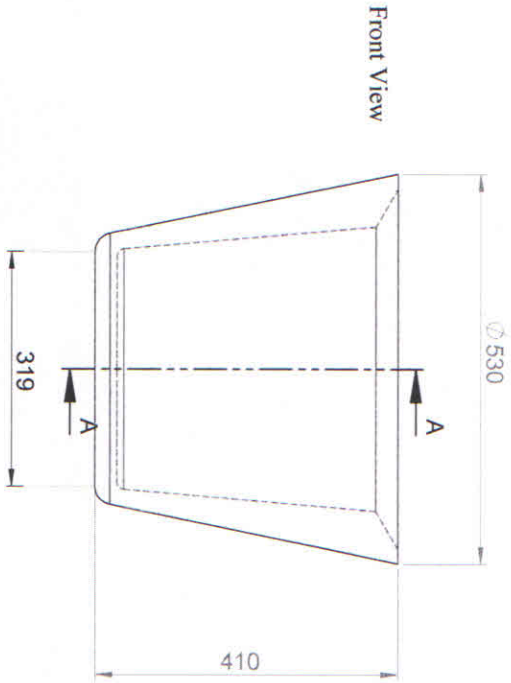
After placement of Purchase Order and before bulk fabrication, samples will be collected at random from the whole lot of raw material and will be subjected to testing for compliance with the chemical & physical analysis of the tender specification simultaneously from a govt. approved laboratory and at UED. After bulk supply is made, similar testing shall be done randomly taking samples from the finished product and in case the results (Raw material result and finished product result) do not match with each other the whole lot will be rejected. In case the material is supplied in lots, procedure will remain same but will be executed lot wise. All outside testing charges are to be borne by the vendor.

Apparent Density	: 1.67 gm/cc (min.)	Calcium (Ca)	: 500 ppm (max.)
Porosity	: 20%	Silicon (Si)	: 500 ppm (max.)
Particle size	: 0.8mm (max.)	Sulphur (S)	: 500 ppm (max.)
Volatile Matter	: 0.2% (max.)	Aluminum (Al)	: 200 ppm (max.)
Ash Content	: 0.32% (max.)	Nickel (Ni)	: 10 ppm (max.)
Carbon (C)	: 99.5% (min.)	Boron (B)	: 5 ppm (max.)
Iron (Fe)	: 0.1% (max.)	Cadmium (Cd)	: 5 ppm (max.)

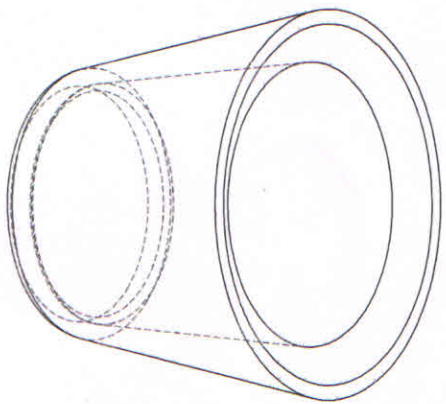
*Jw*  
24/7/17



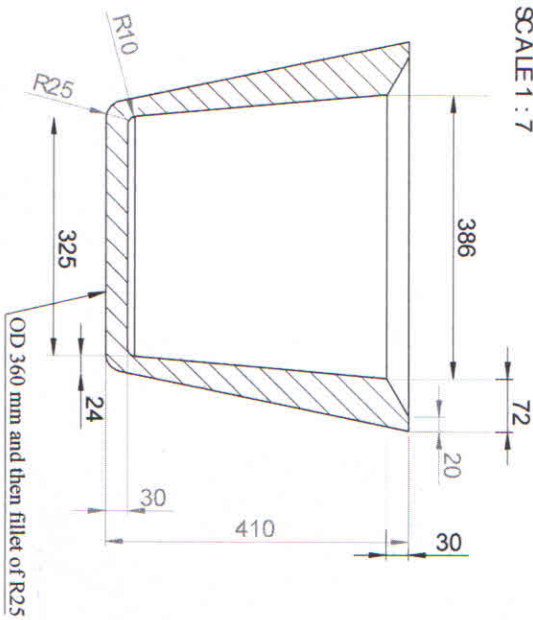
Top View



Front View



SECTION A-A  
SCALE 1 : 7



*[Handwritten signature]*  
24/7/17

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS TOLERANCES	FINISH
LINEAR	
ANGULAR	

NAME	SIGNATURE	DATE	DESIGN AND DRAWING OFFICE
DRAWN			
CHECKD			
APPROV			
MFG			
Q.A			

TITLE	DO NOT SCALE DRAWING	REVISION
Bhabha Atomic Research Centre		

Material : Graphite  
Density : 1.67g/cc

EWG NO. Crucible 600

A3

WEIGHT

SCALE 1:10

SHEET 1 OF 1

