

Government of India
Bhabha Atomic Research Centre
Metallic Fuels Division

Ref: MFD/AJ/P44135

Date: - 11-05-2022

To,

M/s

Dear Sir,

We request you to submit your quotation for **“Fabrication, supply and guarantee of solution annealed Aluminium-Magnesium-Silicon alloy complying to ASTM B 209 standard specifications in flat and cylindrical geometry as per the details mentioned in Annexure-I.”**

Yours Faithfully,



(Arihant Jain)
Scientific Officer (D)

Encl.: 1. Annexure (3 pages)

ANNEXURE

SCOPE:

“Fabrication, supply and guarantee of solution annealed Aluminium-Magnesium-Silicon alloy complying to ASTM B 209 standard specifications in flat and cylindrical geometry as per the details mentioned in Annexure-I).”

GENERAL:

- Aluminium-Magnesium-Silicon alloy billet of 200mm diameter and 500mm length → 5000 kg
 - Aluminium-Magnesium-Silicon alloy plates of 5 mm x 100 mm x 2000 mm → 1500 kg
 - Aluminium-Magnesium-Silicon alloy plates of 6.5 mm x 100 mm x 2000 mm → 1500 kg
 - Sizing of plates in the desired shape must be carried out by extrusion or rolling.
 - Surface finish of the order of 50 μ is required on the job.
 - The Chemical composition of the Aluminium-Magnesium-Silicon alloy must be as per the specification below:-
 - Mg: 0.8-1.2%
 - Si: 0.4-0.8%
 - Fe 0.7%
 - Mn 0.15%
 - Cr 0.04-0.35%
 - Cu 0.15-0.14%
 - Zn: 0.25%
 - Ti 0.15%
 - Rest Aluminium
 - The Boron content of the material supplied must be below 10 ppm
 - The elemental analysis report shall be generated by NABL accredited laboratories and the same will be verified by the facilities at BARC. It is therefore mandatory for the supplier to send test samples for chemical analysis for qualification and commence the actual fabrication of the ordered quantity after obtaining the test clearance certificate from the Purchaser.
 - The required yield strength values shall be atleast 240 MPa. The UTS value shall be atleast 290 MPa
 - The items specified will be used for fabrication of fuel assemblies for reactor, hence stringent control on chemical specification & surface finish will be enforced.
 - It is mandatory that each plate shall undergo radiographic examination in presence of official from BARC. Hence company shall arrange for suitable infrastructure for radiographic examination.
 - It is mandatory that the plates shall be 100 % UT certified (as per ASME Article 23, SA578) in presence of officials for BARC.
 - It may be noted that the payment for only the quantity mentioned in the work order shall only be paid.
 - Test certificate from the OEM shall be provided to the user department.
 - Dealer authorization certificate shall be provided by the dealer if the material is being supplied by the local supplier.
 - No change in price of the alloy shall be allowed. The payment shall only be made at the fixed price as mentioned in the quotation supplied by the supplier.
 - You shall send your offer in a sealed envelope (**strictly by registered post/Speed post only**) indicating delivery period, price inclusive of taxes and other relevant information, to:
 - Arihant Jain
 - Metallic Fuels Division
 - Bhabha Atomic Research Centre
 - Trombay,
 - Mumbai 400 0085
 - Quotation shall reach us by speed post/register post only on or before 20-05-2022 before **11.30 hrs.**
 - Please send "REGRET" if not quoting.
 - On top left corner of the sealed envelope please indicate
- “Fabrication, supply and guarantee of solution annealed Aluminium-Magnesium-Silicon alloy complying to ASTM B 209 standard specifications in flat and cylindrical geometry as per the details mentioned in Annexure-I).”**
- All applicable taxes should be clearly mentioned.
- Overwriting, scratching etc. must be avoided in the quotation. Rewriting the whole figure shall carry out any alteration in the figure. The authorized person from the firm shall countersign such figure.

1. The delivery period mentioned in the quotation shall be strictly adhered to. If the contractor fails to supply and secure extension of delivery date before effecting delivery of the supply against the contract, acceptance of such item by the purchaser will in no way prejudice the right of the purchaser to levy liquidated damage nor will it be entitled to the contractor for payment of statutory levies that comes into force after the expiry of the delivery date.
- Guarantee / Warranty of the material supplied for one year.
 - Early delivery schedule will be given a consideration.
 - You may contact Shri Arihant Jain (25595008) for any clarification.

Requirement of Earnest Money Deposit (EMD)

The supplier should submit EMD for Rs. 1,00,000.00 (Rupees One lakh only) in the form of DD in the name of Accounts Officer CC, BARC
Quotations without the EMD shall be suspended from bidding till the last due date for this tender.

PLACE OF DELIVERY:

- The inspected and accepted assemblies shall be delivered to:
Stores Officer
Radiological Zonal Stores
Bhabha Atomic research centre
BOMBAY 400 085

INSPECTION AND TESTING:

The purchaser will have access at all reasonable times to all shops of the contractor and the sub-contractors where material is being fabricated and assembled and all reasonable facilities for such inspection shall be provided. Prior to the supply of item the manufacture has to get it approved from the purchaser.

PAYMENT TERMS:

Full payment will be made only after the satisfactory completion of Work order and delivery **“Fabrication, supply and guarantee of solution annealed Aluminium-Magnesium-Silicon alloy complying to ASTM B 209 standard specifications in flat and cylindrical geometry as per the details mentioned in Annexure-I.”** Please note that income tax @ 2% will be deducted from your bill. *No part payment or advance payment will be made.* For this mode of payment, you are required to draw your invoice in the name of Director, Nuclear Fuels Group, Bhabha Atomic Research Centre, Mumbai 400085, in **triplicate** along with Advance Stamp receipt and to be submitted along with **“Fabrication, supply and guarantee of solution annealed Aluminium-Magnesium-Silicon alloy complying to ASTM B 209 standard specifications in flat and cylindrical geometry as per the details mentioned in Annexure-I.”**

Company's PAN No. should be furnished along with the bill.

Company's copy of Sales Tax /Service Tax Registration Certificate has also to be furnished along with the bill.

DELAY CLAUSE:

Any delay which is attributable to the contractor is liable for penalty @0.5% per week (max. 10%) to be imposed on the contractor.

CONFIDENTIALITY:

No, party shall disclose any information to any third party, concerning the matters under this contract generally. In particular, any information identified as “Proprietary” 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. “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. 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 medial like press, radio, T.V. or Internet without the prior written approval of BARC.



Arihant Jain
Scientific officer (D)
(On behalf of the President of India)