



Indian Institute of Technology Kanpur
Department of Materials Science and Engineering

Enq. No.: MSE/SI/2015-16/IGSTC/sputter-targets/01

Enquiry Date: 19 January, 2016; **Closing Date:** 5 PM, 1 February, 2016

Quotations are invited for supplying sputter targets complying with or better than all of the specifications mentioned in **Appendix A**. The prospective suppliers are required to send quotation in two parts, each part sealed in a separate envelope. One part will be “Technical Bid” and second part will be “Financial Bid”.

Terms and conditions

1. Bids from only the OEM or its authorized agent in India will be considered.
2. Bidder must provide technical-bid using the file in **appendix B**, and financial-bid using the file in **appendix C**. Do not omit or rephrase any part of it. You may provide any additional information if it helps in the technical evaluation of the offered product. If a bidder doesn't provide technical specifications and pricing in the format provided the corresponding bid will be rejected.
3. Following should be included along with the technical bid (appendix B).
 - (a) Certificates from the OEM of the offered sputter target stating that 'it' is the manufacturer of **all** the offered targets.
 - (b) MSDS for each of the sputter targets.
 - (c) Certification of offered purity for all the targets from the same OEM or reputed certifying agency.
 - (d) Statement comparing the specifications of the offered system against the required specification in the present enquiry.
 - (e) Copy of PO from at least three reputed academic institutes or research labs within India during 2013 – 2015 that the bidder participating in the present bidding process has received for supplying the sputter targets. Also, provide the contact name and e-mail of the official/lab at these institutes to whom the targets were supplied.
 - (f) The technical-bid must carry proper certifications like agency certificate, authorization certificate, proprietary certificate if applicable, etc.
4. If the bidder has supplied sputtering-targets at IIT Kanpur during 2010 – 2015, then it must provide name of the contact person(s) corresponding to those labs/centres, complete mailing address, e-mail address, and contact phone number.
5. In the price bid, for the indigenous parts, the ex-works prices should be given, while for the imported parts the bidder must provide price on FOB, as well as CIP New Delhi basis. **Note:** IIT Kanpur is registered with the Department of Scientific & Industrial Research (DSIR) for purposes of availing customs duty exemption in terms of Government Notification No. 51/96-Customs dated 23 July, 1996, and Central Excise duty exemption in terms of Government Notification No. 10/97-Central Excise dated 1 March, 1997 as amended from time to time. In the case of incomplete information or missing information either in the technical-bid or the financial-bid the corresponding bid will be rejected.

6. The price bid must also show taxes, cost of packaging, and delivery at IITK, insurance, installation and training, if any.
7. Following payment term will be strictly followed irrespective of the terms mentioned by the bidder:
90% on delivery and 10% after installation and acceptance (for indigenous parts only).
8. Validity of quotation should be at least for 60 days from the date of closing of the bid.
9. The Institute reserves the right to visit the site of any of the previous customers where sputtering-targets have been supplied by the bidder participating in the present inquiry and take decision based on the evaluation of the supplied product. If required the bidder should make arrangements for the site visit. The cost for the same will be borne by the indenter.
10. One time importers from China with custom made specifications are highly discouraged.
11. Bids for the targets from any dubious OEM/vendor will be rejected.
12. The offered product should have warranty against any manufacturing defect, or any damage during shipping and handling.
13. The technical bid will be opened on February 2nd, 2016 at 3PM in the Office of Stores and Purchase Section at IITK. Interested bidders are welcome to participate. No intimation will be given in the case of change of venue due to unforeseeable case and the same will be displayed on the website.
14. The date of opening of financial bid will be displayed on the website. Interested bidders are welcome to participate.
15. The indenter will be available for in-person discussion about the inquiry related matter on 25 January 2016 during 10AM – 11Noon at the address given below.

The Technical and Financial bids may be sent in sealed envelopes to:

Dr. Sarang Ingole
Room No. 204, Western Labs Building
Department of Materials Sciences and Engineering
IIT Kanpur, U.P. 208016, India.

Appendix A

Sr. No.	Target Material	Quantity (Number of targets)	Diameter (inch)	Thickness (inch)	Minimum purity level required
Essentials					
1	Copper (Cu)	2	2	0.25	99.990%
2	Zinc (Zn)	2	2	0.25	99.990%
3	Tin (Sn)	2	2	0.25	99.990%
4	Nickel (Ni)	1	2	0.25	99.990%
5	Aluminum (Al)	2	2	0.25	99.999%
8	Zinc Oxide (ZnO) (undoped)	2	2	0.125	99.990%
9	Alumina doped zinc oxide (ZnO:2 wt% Al ₂ O ₃)	2	2	0.125	99.990%
Desirables					
10	Iron (Fe)	2	1	0.25	99.950%
11	Silicon (Si) [undoped]	2	1	0.125	99.990%
12	Molybdenum (Mo)	2	1	0.25	99.950%
13	Silicon Oxide (SiO ₂)	2	1	0.125	99.990%
14	Silver (Ag)	1	1	0.25	99.990%
15	Indium (In)	1	1	0.25	99.990%
16	Gold (Au)	1	1	0.25	99.990%
17	Molybdenum Di-sulfide (MoS ₂)	2	1	0.125	99.990%
18	Germanium (Ge) [Undoped]	2	1	0.125	99.990%

Note:

- (1) For the targets mentioned at the serial numbers 8, 9, 11, 13, 17 and 18 in the above table, bonding with the copper backing plate using silver paste will be required. Indicate in the technical-bid (appendix B) whether this service will be provided, and the associated cost in the appendix C (price-bid).
- (2) For those targets where quantity of 2 has been indicated, order for only one target may be placed depending on the budget.

-----End of Appendix A-----

Appendix B (Technical Bid)

S.No.	Target Material	Quantity (Number of targets)	Diameter (inch)	Thickness (inch)	Purity level offered
Essentials					
1	Copper (Cu)	2	2	0.25	
2	Zinc (Zn)	2	2	0.25	
3	Tin (Sn)	2	2	0.25	
4	Nickel (Ni)	1	2	0.25	
5	Aluminum (Al)	2	2	0.25	
8	Zinc Oxide (ZnO) (undoped)	2	2	0.125	
9	Alumina doped zinc oxide (ZnO:2 wt% Al ₂ O ₃)	2	2	0.125	
Desirables					
10	Iron (Fe)	2	1	0.25	
11	Silicon (Si) [undoped]	2	1	0.125	
12	Molybdenum (Mo)	2	1	0.25	
13	Silicon Oxide (SiO ₂)	2	1	0.125	
14	Silver (Ag)	1	1	0.25	
15	Indium (In)	1	1	0.25	
16	Gold (Au)	1	1	0.25	
17	Molybdenum Di-sulfide (MoS ₂)	2	1	0.125	
18	Germanium (Ge) [Undoped]	2	1	0.125	

Confirm the following about the Technical-bid

1	Does it have all the required documents mentioned in the point no. 3 of Terms and Condition section of the inquiry letter?	(Yes or No)
2	Is the bidder offering bonding services including copper backing plate for all the targets mentioned at the serial no. 8, 9, 11, 13, 17 and 18 of appendix A ?	(Yes or No)
3	Clearly mention the agency/vendor that is going to supply the copper backing plate and the silver bonding services?	

Bidder may use additional sheets if required.

-----End of Appendix B-----

Appendix C (Price Bid)

Sr. No.	Target Material	Unit	Price per unit	No. of units	Total
Essentials					
1	Copper (Cu)			2	
2	Zinc (Zn)			2	
3	Tin (Sn)			2	
4	Nickel (Ni)			1	
5	Aluminum (Al)			2	
8	Zinc Oxide (ZnO) (undoped)			2	
9	Alumina doped zinc oxide (ZnO:2 wt% Al ₂ O ₃)			2	
Desirables					
10	Iron (Fe)			2	
11	Silicon (Si) [undoped]			2	
12	Molybdenum (Mo)			2	
13	Silicon Oxide (SiO ₂)			2	
14	Silver (Ag)			1	
15	Indium (In)			1	
16	Gold (Au)			1	
17	Molybdenum Di-sulfide (MoS ₂)			2	
18	Germanium (Ge) [Undoped]			2	
			Sub-total (A)		
a	Target bonding service including copper backing plate	Each target		6	
b			FOB charges		
c			Tax		
d			Packaging		
e			Insurance		
f			Delivery at IITK		
Mention below any other cost					
g					
h					
			Sub-total (B)		
Grand Total (A+B)					

Bidder may use additional sheets if required.

-----End of Appendix C-----