IISER Mohali is inviting quotes for sputtering targets, evaporation materials, boat and heaters for thermal evaporation.

Please send the quotes to reach

Assistant Registrar

Stores & Purchase Section

IISER Mohali, Knowledge city, Sector 81, SAS Nagar, Manauli PO 140306

Email: stores@iisermohali.ac.in

mukeshkr@iisermohali.ac.in

The specifications for the same are as listed below. Please give compliance for the specifications.

1. Materials with specified purity or better will be preferred.
2. Thickness of the materials can be less or more depending upon the standard.
3. MSDS should be provided.
4. **Certification of purity must be provided.**
5. We will choose to order parts of the quoted materials depending on price.
6. We may divide order based on cost of shipping and availability of materials.
7. **Line of sight draft will be preferred over L/C expenses.**
8. **Sputtering targets should be in whole unit, not separate backing plate or bonding service etc.**

S. No.	Material	Target size	Purity	Form	Quantity
Sputtering Targets (all targets 2.00” dia and material thickness specified)					
1.	Germanium (Ge) (undoped)	0.250" Thick	99.9%	Sputtering target	1
2.	Niobium (Nb)	0.250" Thick	99.99%	Sputtering target	1
3.	Permalloy ($Ni_{80}Fe_{20}$)	less than 1mm thick	99.9%	Sputtering target	1
4.	Aluminium (Al)	0.25 “ thick	99.99%	Sputtering target	1
5.	Copper (Cu)	2.00" Dia. X 0.250" Thick	99.99%	Sputtering target	1
6.	Cobalt (Co)	less than 1mm Thick	99.95%	Sputtering target	1
7.	Gold (Au)	~ 0.063" Thick	99.999%	Sputtering target	1
8.	Silicon (undoped)	~.250” thick	99.999%	Sputter target	1
9.	Manganese	0.125” thick	99.95%	Sputter target	1
10.	Silicon Dioxide (SiO2)	1/4 ” Thick	99.995%	Sputter target	1
Evaporation Pellets/Wires					
11.	Permalloy ($Ni_{80}Fe_{20}$)	2.00" Dia. x 0.250" Thick	99.9%	Preferably pellet otherwise wire	25-50gms
12.	Gold/Palladium (Au/Pd 60/40 WT %)	1/4" DIAMETER X 1/4" LONG or 1/8" DIAMETER X 1/8" LONG	99.9%	Preferably pellet otherwise wire	10gms
13.	Gold (Au)	1/8" DIAMETER X 1/8" LONG	99.999%	Pellet & wire	25gms
14.	Cobalt (Co)	1/4" DIAMETER X 1/4" LONG	99.95%	Pellet/wire	50gms
15.	Titanium (Ti)	1.0mm Dia.	99.98%	Wire	1m
16.	Chromium	Chromium-Plated Tungsten Rods		Rod	10 pieces
17.	SiO2	Pieces	99.99%	pieces	100g
18.	Palladium (Pd)	1/8” x 1/8” pellets	99.95%	pellet	25 gms

Boat/Heaters for Thermal evaporation

(If exact specs for boats do not match quote for ~ 4" long tungsten boats that can reach 1200 ^{0}C , 1400 ^{0}C and 1800 ^{0}C)

	Description	Dimension	Volt	Amps	watts	temp	Quantity
19.	Alumina coated Tungsten Dimpled Boat	1/2" width X 4" LONG	1.17	125	146	1200^{0}C	10
20.	Alumina coated basket heaters	0.575"height X 0.420" width X 4" LONG	6.9	39	272	1475^{0}C	10
21.	Tungsten dimple boats	~1/8" dimple 4" long and 0.5" wide	3.3	8		1800 ^{0}C	20
22.	Thermal source Crucible	Alumina ~ 0.5 " dia and height ~0.5" inner dia ~ 0.46"					5
23.	Coiled crucible heat	For crucible given above		<7	~300	1800 ^{0}C	15
24.	Notched dimpled tungsten boats					1800 ^{0}C	10
25.	Tungsten coil	Wire with 1inch long loop 4" total length and 1/16 " dia coil 0.04" thick wire	3	~36		1800 ^{0}C	20