

**LIST OF MAJOR EQUIPMENTS FOR SETTING UP GOLD  
ASSAYING & HALLMARKING CENTRE**  
(Not Exhaustive)

<b>Sl No.</b>	<b>Particulars of Equipment</b>
1.	Laser Marking Machine (For hallmarking of Jewellery)
2.	XRF Machine
3.	Assay Balance (0.001mg accuracy) & Other Balances
4.	Tools/Equipments for Sampling and Assaying <ul style="list-style-type: none"><li>• Balling Pliers</li><li>• Cuples</li><li>• Scrapping Tools/Micro Drilling Machine/ for taking sample</li><li>• Tongs &amp; Foreceps for handling cuples/ assay pieces etc.</li><li>• Jewellers' rolling mill</li></ul>
5.	a) Fuming cupboard, hot plate etc.  b) Laboratory Furnaces: <ul style="list-style-type: none"><li>▪ Cupellation Furnace (Range up to 1250°C)</li><li>▪ Annealing Furnace (Range up to 800°C)</li></ul>
6.	Platinum Trey (Parting Tray) with Platinum Thimbles
7.	Strong Room/Safe (for storage & security of jewellery)
8.	CCTV system & other arrangements for safety of Jewellery under processing (assaying & hallmarking)
9.	Certified reference Materials/Chemicals etc.