



*Rates for Testing of Materials

Department of Metallurgical Engineering

S No	Test Description	Rate per Sample	** Preparation (Rs.)	**NED Students except from MYD/ MMD (50 % Discount)
1	Optical Microscopy for normal samples	5,000/-	15,000/-	=
2	Normal Cutting (SiC Tool)	500 – 2000/-	--	=
3	Cutting (using diamond tool)	3,000 – 15,000/-	--	=
4	***OES	13,000/-	2,000/-	=
5	***XRF	13,000/-	2,000/-	=
6	Nanoindentation	10,000/-	5,000/-	=
7	Mounting	1,500/-	3,000/-	=
8	Microindentation	5,000/-	1,000/-	=
9	Hardness Testing	4,000/-	2,000/-	=
10	Impact Testing at Room Temperature	7,000/-	3,000/-	=
11	Impact Testing at Freezing Temperature	30,000/-	3,000/-	=
12	Atomic Force Microscopy	10,000/-	5,000/-	=
13	UVis Spectroscopy	3,000/-	3,000/-	=
14	Heat Treatment per Hour (100 – 1500oC)	3,000 – 10,000/-	3,000/-	=
15	Heat Treatment per Hour in Argon (100 – 1500oC)	5,000 – 15,000/-	3,000/-	=
16	Rubber Hardness	5,000/-	2,000/-	=
17	Corrosion Rate	7,000/-	3,000/-	=
18	Stereoscopy (5 images)	2,000/-	2,000/-	=
19	Tensile Testing	5,000/-	3k – 30k/-	=
20	Fatigue Testing (rate per hour)	30,000/-	10,000/-	=
21	***Geyser Testing (as per PSQCA guidelines)	11,000/-	--	=
22	***Stoves Testing (as per PSQCA guidelines)	7,200/-	--	=
23	***Electric kettle Testing (as per PSQCA guidelines)	7,200/-	--	=
24	***Iron Testing (as per PSQCA guidelines)	7,200/-	--	=
25	***Toaster Testing (as per PSQCA guidelines)	7,200/-	--	=
26	***Elemental Composition via wet-chemistry per element	15,000/-	3k – 30k/-	=
27	Weld Inspection	10,000/-	3,000/-	=
28	Rolling of Nonferrous Alloys as per machine capacity	20,000/-	2,000/-	=
29	Green Sand Testing per Parameter	2,000/-	1,000/-	=
30	Ultrasonic Flaw Detection per day without operator	20,000/-	--	=
31	Dye Penetrant	3,000/-	1,000/-	=
32	Ultrasonic Phase Array per day without operator	50,000/-	--	=
33	Salt Spray Test per hour	8,000/-	5,000/-	=
34	Metallography with microscopy	40,000/-	--	=
35	FTIR	5,000/-	2,000/-	=
36	Oxygen transmission rate (OTR) per day (min 10 days)	50,000/-	15,000/-	=
37	Water vapor transmission rate (WVTR)	50,000/-	15,000/-	=
38	Contact Angle Measurement	10,000/-	15,000/-	=
39	Polymer Thin Film Bending / Flexibility Test	15,000/-	15,000/-	=
40	***Grade Identification Services per sample	30,000/-	--	=
41	***Identification of Materials (e.g., Metals &/or Alloys)	50,000/-	--	=
42	***Loud speakers/hands-free/or miscellaneous products	--	--	=
43	*** Failure investigation / Materials investigations	--	--	=

* In some cases, the cost per sample shall vary depending on the nature of the sample.

** Actual rates will apply in the case of consumables. In addition, students will bear the cost of consumables.

*** This could be a consultant task, which means consultancy charges incur depending on the job nature.

Prepared by

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CMY 13/01/2025

Approved by

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Dean 14/01/25

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