

LIST OF EQUIPMENTS

S. No	Equipment Details	Amount in Lakhs
1	High Pressure Reactor	5.0
2	Cryogenic Reactor	4.4
3	Rotary Evaporator with Recirculating Chiller	4.18
4	Glove Box	3.30
5	Vacuum Oven with Vacuum Pump	1.11
6	Oil Bath with magnetic stirrer	0.78
7	Over Head Stirrer	0.07
8	Platinum Crucible	3.77
9	Muffle Furnace	0.56
10	BOD Incubator	0.45
11	pH Meter	0.68
12	Analytical Balance	0.92

13	Hot Air Oven	2.30
14	8-Cell RCPT Apparatus with DAQ System	1.98
15	Mortor Mixture	1.12
16	Flexural Setup	0.45
17	Test Equipment's	1.08
18	ANSYS FLUENT Unlimited Nodes	7.0
19	HPC Work Station	5.5
20	DESIGN BUILDER	3.5

LIST OF EQUIPMENTS SANCTIONED BY DST-FIST FOR RESEARCH

S.No.	Instrument Name	Total
1	High temperature furnace Make: Kanthal, India	10,37,000
2	Planetary ball mill Make: Retsch, Germany; Model: PM100	12,44,438
3	Sonicator Make: Sonics, USA; Model: VCX 750	4,39,443
4	Spin & dip coating system Make: Apex instruments, India; Model: spinNXG-P1, Xdip-SV1	1,96,470
5	Transformer with Breakdown tester Make: HI-VOLT, India; Model-AC100-5	13,33,400
6	LCR Meter with Accessories Make: HIOKI, Japan; Model: IM3536	6,17,491
7	Ultrasonic pulse receiver Make: NDTs, USA; Model: DPR500	12,02,420
8	Contact angle Make: Kruzz, Germany; Model: DSA25B	9,06,574
9	Spectrofluorometer Model: FP830 Make: JASCO, Japan with accessories	20,07,629
10	Pelletizer & Incinerator Indigenous	9,97,100
TOTAL		99,81,965

