**A Review of Major R&D Equipments available with the
Institute/Group/Department/Other Institutes for carrying out R&D project:**

Equipment available with	Generic name of equipment	Model, Make & year of purchase	Remarks
Physics Dept.	Workstation Computer	High end configuration with facility parallel computing and power backup.	Used in Computational Nanoelctronics and Nanotechnology
Physics Dept.	Computational package i) Quantuwise 13.8.1 ii) Silvaco iii) VASP	Latest with all necessary packages	Used in Computational Nanoelctronics and Nanotechnology. MOS device desing. Computational Chemistry
Nanosc. & Tech	UV-VIS spectrophotometer	**TRUE DOUBLE BEAM UV VISIBLE SPECTROPHOTOMETER (MODEL NO. V-630) WITH SPECTRA MANAGER SOFTWARE FOR INSTUMENT CONTROL VWBG-773 BAND GAP ANALYSIS PROGRAM**	Used in optical property study
Nanosc. & Tech	**PARTICLE SIZE ANALYZER**	**PARTICLE SIZE ANALYZER ZEN 1690 ZETASIZER NANO S-90 AND ACCESSORIES**	Used in identification of nanomaterials
Nanosc. & Tech	**Spin coater**	**Used in developing thin films**	Nanotechnological application
BME	**Centrifuge**		
CHEM	**Strong and**	**Used in nanomaterial**	Nanotechnological

	equipped chemical lab with facility of nanomaterial fabrication	synthesis	application
ECE	**CNC machine**		**Used in Radio signal detection**
ME	**Muffle furnace**		
ME	**Centrifuge**		

Infrastructural facilities available at the Institute for carrying out R&D work:

Sr. No.	Item Name	Yes/No/NR*	Sr. No.	Item Name	Yes/No/NR*
1.	Workshop	Yes	7.	Telecommunication including email & FAX	Yes
2.	Water & Electricity	Yes	8.	Transportation	Yes
3.	Standby power supply	Yes	9.	Administrative /secretarial support	Yes
4.	Laboratory space & furniture	Yes	10.	Library facilities	Yes
5.	AC room for equipment	Yes	11.	Computational facilities including printing	Yes
6.	Refrigerator	Yes	12.	Information facilities like Internet	Yes