Central Research Facility (CRF)

KIIT Deemed to be University, Bhubaneswar

Sl No	*Instrument*	*KIIT-University*	*Outside KIIT, Academic and Educational Institutions*	*Industries*	*Note*
1	CHN Analyzer	100	400	1000	Per sample
2	Micro-Raman Spectrometer	50	100	500	Per sample
3	IC-MS	100	200	1000	Per Ion
4	FE-SEM	150 (Imaging + EDS analysis) 150 (EBSD) 200 (EBSD+TKD)	400 (Imaging + EDS analysis) 500 (EBSD) 600 (EBSD+ TKD)	1500 Imaging + EDS analysis) 1000 (EBSD) 1500 (EBSD+ TKD)	per sample
5	SEM	100 (Imaging + EDS)	300 (Imaging + EDS)	800 (Imaging + EDS)	per sample
6	Thermo Mechanical Simulator	100	500	2000	per sample
7	NMR	100	200	1100	price depends on

					solvent and time required to perform the experiments
8	PXRD	50	250	500	Per sample

			User-Price NMR				
Experiment type	**Observed Nuclei**	**Solvent**	**KIIT-University (Rs)**	**Outside KIIT, Academic Institution (Rs)**	**Research Laboratory (Rs)**	**Industry (Rs)**	**Notes**
1-D	^{1}H	CDCl3	100	350	500	1100	Per measurement
		Other solvent	150	350+ Solvent charge	500+ Solvent charge	1100+solvent charge	Per measurement
	^{13}C/DEPT	CDCl3	200	800/h	1200	1500/h	Per measurement
		Other solvent	250	800+ solvent charge	1200+ solvent charge	1500/h+ solvent charge	Per measurement
	^{31}P	CDCl3	100	400	750	1100	Per measurement
		Other	150	350+ solvent	750+ Solvent	1100+solven	Per measure

		solvent		charge	charge	t charge	ment
	^{15}N	CDCl3	100	350	750	1100	Per measure ment
		Other solvent	150	350+ solvent charge	750+ Solvent charge	1100+solven t charge	Per measure ment
	^{19}F	CDCl3	100	350	750	1100	Per measure ment
		Other solvent	150	350+ solvent charge	750+ Solvent charge	1100+solven t charge	Per measure ment
2-D	All type experimen ts	Any solvent	500/h	1200/h	1800/h + solvent charge	3500/h+ solvent charge	Per measure ment

Name of the Test	**User Type**			
	KIIT Users	**Academ ic Institutions**	**Resear ch Labor atory**	**Indu stry**
Resilient modulus of Bituminous Mixtures by conducting Indirect Tension Test as per ASTM D4123	100	500	1000	2500
Bituminous Mixtures by conducting Indirect Tension Test as per ASTM D7369/AASHTO 322.	100	500	1000	2500

Resilient Modulus and Fracture Life of Hot Mix Asphalt by conducting 4-Point Bending Test as per EN 12697-24E	100	500	1000	2500
Stiffness of Hot Mix Asphalt by conducting Indirect Tension Test as per EN 12697-26C.	100	500	1000	2500
Stiffness of Hot Mix Asphalt by conducting 4-Point Bending Test as per EN 12697-26B	100	500	1000	3000
Dynamic Modulus, Flow Number, and Flow Time for Asphalt Mixtures Using the Asphalt Mixture Performance Tester (**AMPT**) as per AASHTO 378/TP 79.	100	500	1000	3000
Permanent deformation, Creep Strain, Creep Modulus, by Conducting Cyclic Compression Test as per EN 12697-25B	100	500	1000	3000
Fatigue Life of Compacted Hot Mix Asphalt (HMA) subjected to Repeated Flexural bending as per AASHTO 321	100	500	1000	3000
Fatigue Failure of Compacted Asphalt Concrete Subjected to Repeated Flexural Bending as per ASTM D7460.	100	500	1000	3000
Fatigue Life of Hot Mix Asphalt by conducting 4-Point Bending Test as per EN 12697-24D	100	500	1000	3000
Flexural Strength and Fatigue Life of concrete or cement stabilized soil by conducting Four Point Flexure Test on 100mmx100mmx450mm and 75mmx75mmx300mm size sample	100	500	1000	2500