

: LIST OF TABLES :

Table No.	T i t l e	Page NO.
	Details of the samples prepared	.. 60 - 61
1	Fluxed samples (CaO:Bi)	.. 60
2	Fluxed Samples (CaO:Sm)	.. 60
3	Fluxed Samples (CaO:Bi:Sm)	.. 61
4	Fluxed Samples (CaO:Bi:Sm)	.. 61
5	Samples without flux	.. 61
3.1	Emission Intensities of various Spectral bands.	.. 86 - 87
4.1	X-ray diffraction data	.. 129
4.2	Spin Hamiltonian Parameters	.. 130
5.1	Energy term intervals between the six levels of the ground state of $\text{Sm}^{3+}$	.. 159