

LIST OF TABLES

Table No.	Table captions	Page No.
2.1	Composition and service temperature for high alumina cements.	13
2.2	The rate of hydration of different phases in high alumina cements.	13
2.3	Types of high alumina cement.	17
2.4	Compressive strength of HAC cured at high temperature.	20
3.1	Chemical composition of raw materials (in wt %), LOI (loss on ignition).	36
4.1	Batch composition with HAC70.	68
4.2	Batch composition with HAC80.	68
4.3	Bulk Density, apparent porosity and thermal shock cycles of prepared castables.	80
5.1	Batch composition with HAC70.	94
5.2	Batch composition with HAC80.	95
5.3	Bulk density, apparent porosity and thermal shock cycles of prepared castables.	108
6.1	Batch composition with HAC70.	127
6.2	Batch composition with HAC80.	127
6.3	Bulk density, apparent porosity and thermal shock cycles of prepared castables.	142