

## APPENDICES

## APPENDIX A

## UNITS OF WEIGHT AND MEASUREMENT IN BROACH DISTRICT

## I Weights

## (a) Basic Unit

1 ser = one english pound and one sixth of an ounce.

## (b) Weights for Cotton

1 maund = 40 sers.

1 dhadi = 48 sers.

1 bhar = 20 dhadis = 960 sers.

1 bhar = 24 maunds = 960 sers.

## (c) Weights for Grains.

1 maund = 40 sers.

1 kalsi = 16 maunds = 640 sers.

## II Standard of Measurement

Two different stadnards were used in the district for measuring the land, viz, bighas and kumbhas. The former in Broach, Ankleshwar and Hansot pargana and the latter in Jambusar, Amod and Dahej. The bigha consisted of 20 wassas, and one wassa of 20 wis-wassa. A kumbha consisted of 100 maulas.

The standard rod (guntha or bang also called wassa) was seven feet, five and threefifth inches in length. A square measuring twenty of these rods on each side made one bigha. A bigha approximately equal to half an English acre or one acre was equal to one bigha, 19 wassas, 1 wis-wassa, 328 decs. (or little short of two bighas).

The standard rod (guntha or bans) in use in Jambusar was nine guz in length. The length of one guz was 27 and one fourth inches ; therefore a guntha was 20 feet, 5 and one fourth inches in length. A square measuring ten of these rods on each side made a kumbha. A kumbha was the equivalent to 1 bigha, 17 wassas, 9 wiss-wassas and 207 decls. (of Broach standard). A kumbha was slightly smaller than an acre ; 100 kumbhas were equal to 95 acres, 3 roods, 22 perches, 2 decls or 187 bighas, 6 wassas, 732 decls. Thus :

	Sq.	Yards Feet	Sq.	Sq. Inches
In an English statute acre	4840	0		0
In a Jambusar <u>kumbha</u>	4641	0		20
In a Broach <u>bigha</u>	2477	7		64
In a <u>bigha</u> of Ahmedabad, Kaira and Surat districts	2844	4		0