

being Rs.1-3. In 1891 there were 76, 880 successful cases, while in 1901 the number was only 37, 880. The increase in 1891 was due to the larger number of vaccinators employed by the local boards, while in 1901 a large number of vaccinators were deputed on famine and plague duty. The cost of the department in 1891 and 1901 was Rs. 49, 160 and Rs. 57, 302 respectively; the average per successful case for these years being R. 0-10-3 and Rs. 1-3. Operations are carried out exclusively with calf lymph, which is prepared at the vaccinations depot in the State. Vaccination is performed according to the European method, and inoculation does not seem to be practised.

Surveys

Hyderabad State was included in the Great Trigonometrical Survey. The subsequent topographical surveys were based on, or extended from, the main series of triangulation. The Darbar co-operated in this important work. It appears probable that Todar Mal's revenue system was introduced in most of the Maratha Districts of the State early in the seventeenth century by *Malik Ambar* and *Murshid Kuli Khan* and was based on a rough survey of lands. On the formation of regular

Districts about 1865-66, the *bigha* of 3, 600 square yards was taken as a standard, and lands were roughly measured. About 1876 it was decided to commence accurate survey operations, and the work was first undertaken in Aurangabad District, and subsequently extended to other taluks and Districts. In this systematic survey the areas were reckoned in English acres. The Aurangabad and Gulbarga Divisions were surveyed and settled by the end of 1894. The Bidar and Warangal Divisions were also surveyed and settled by the end of 1904 and 1905, the only portions still remaining unsurveyed and

unsettled being the District of Adilabad (Sirpur Tandur) and certain *taluks* of Karimnagar (Elgandal) District.

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