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IZAGAPATAM HARBOUR INVESTIGATIONS.

NOVEMBER 1898 TO NOVEMBER 1899.



VIZAGAPATAM HARBOUR INVESTIGATIONS.

NOVEMBER 1898 TO NOVEMBER 1899.

VIZAGAPATAM harbour, as it now exists, is (1) a backwater, connected with (2) a creek, which enters the sea over (3) a bar. The general run of the coast is north-east and south-west. On the south side of the bar a cliff called the Dolphin's Nose projects, affording a slight protection from southerly winds. On the north of the bar the land is hilly, but the beach is sandy with

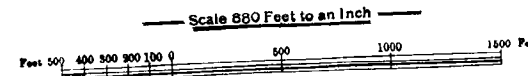
CHART
(on Mercator's projection)
of the

TIDAL AND LEVELLING OPERATIONS
of the
SURVEY OF INDIA DEPARTMENT
1858-1895
SHOWING APPROXIMATE COTIDAL LINES

NOTE
VULGAR ESTABLISHMENTS, in hours and minutes are shown outside the coast-line in
Italic figures
MEAN ESTABLISHMENTS determined from Marine Survey of India observations are shown
outside the coast-line in Italic figures underlined.
MEAN ESTABLISHMENTS determined from Survey of India Department observations are
shown outside the coast-line in Italic figures doubly underlined.

VIZAGAPATAM HARBOUR

CURRENTS OF EBB TIDE



NOTE.— These Currents were taken by floats sunk as near the bottom as possible.
 They are the average of a great number of observations taken at different stages of different tides.
 The length of the arrows bears a rough relation to the velocity of the current.
 Maximum observed

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