

TABLES

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Table 1 Typical Natural Beach Slopes for Various Sediment Sizes

Median Sediment Sizes D_{50} (mm)	Mean Beach Slope
0.2	1:50 – 1:100
0.3	1:25 – 1:50
0.5	1:20 – 1:40
5.0	1:8 – 1: 15
Note : 1. A beach of a given grain size will adopt a flatter slope in an area exposed to severe waves than in an area exposed to moderate waves. 2. For slope of construction profiles, refer to Section 5.3.	

Table 2 Typical Data for Cross-shore and Longshore Transport Computations

Type of Sediment Transport	Type of Data
Cross-shore Transport	<ul style="list-style-type: none"> ● Prevailing wave height, period, direction and duration under normal weather conditions in different seasons ● Extreme wave height, period, direction and duration under storm conditions ● Water level (mean sea level and extreme sea level) ● Construction beach profile ● Sediment size (usually median grain diameter) and density ● Required beach width
Longshore Transport	<ul style="list-style-type: none"> ● Wave climate (wave height, period, direction and duration of occurrence), including wind waves and vessel waves ● Water level (mean sea level, mean high water level and mean low water level) ● Bathymetry (cross-shore profile : initial beach profile and equilibrium beach profile) ● Sediment size and density ● Length of shoreline ● Orientation of beach ● Required beach width ● Current (usually speed and direction at model boundary) ● Shoreline characteristics or longshore transport quantity at model boundary ● Layout of sand retaining or beach protection structures, if any

