

## NATIONAL CENTRE FOR SUSTAINABLE COASTAL MANAGEMENT

### *Specification for Sediment Pore water Sampler (Quantity required: 1 Nos.)*

<b>Sediment Pore water Sampler</b>		
<b>1</b>	<b>General</b>	<b>Suitable for collection of pore water from the coastal and marine sediments</b>
<b>2.</b>	<b>Substratum</b>	The instrument shall be able to extract pore water from muddy soils (varied combination of Silt and clay)
<b>3.</b>	<b>Depth</b>	Shall be able to extract pore water at different depth intervals (discrete sampling up to ~ 1 m )
<b>4.</b>	<b>Sampler type</b>	Sampler should be hard material and inert in nature.(Preferably, Silicon carbide or Aluminium oxide) (2 in number) with suction cups. Price of addition suction units to be quoted . Total 2 in number
<b>5</b>	<b>Sampling collection units</b>	Appropriate sample collectors (preferably Borosilicate Glass)for collection of ~100 ml samples (12 in numbers) These sampling bottles/ collectors should be equipped with overflow / back pressure protection so that there is no damage to vacuum pump
<b>6.</b>	<b>Suction unit</b>	Suitable Battery operated portable vacuum pump (Tensiometer controlled) for collection of pore water from sediments. Should be capable of longer operation time (atleast 6 hrs) Should be capable of suction of pore water at multiple depths (discrete sampling up to ~ 1 m)
<b>7.</b>	<b>Accessories</b>	Suitable asseccories such as pipes, nozzles etc. shall be included with the quote