After discussion with Zobaidur Reza sir the following criteria have been fixed for chosing of sill/invert level of a regulator.

1. Sill level should be chosen in a level that 5%-7% of the catchment area must be inundated.

2. For beels 2 feet water must be remained for ecological balance. So sill level of the structure should not be chosen in a level that beels are completely drained.

3. For rural area water 72 hours of retention can be considered.

4. For drainage purpose invert level should not be below from the average low water level of river.

5. For flushing period invert level should be 2 feet below the average LWL of river for non tidal area. For tidal area as the water level rises from time to time it may not be considered.

6. Designers should check the sill level of structures of surrounding area that are performing well.

For Satkhira Khulna zone, previously sill level was chosen (-)1.0m PWD.