

## Exemplary Tender Specifications:

### Polymer Concrete Pipes (PCP) – Minimum Requirements

- I. Acceptable manufacturers jacking pipe product includes Meyer POLYCRETE® jacking pipe, or an approved equivalent.
- II. The jacking pipe shall be a solid wall pipe, not a composite.
- III. Pipes shall be manufactured and tested in accordance with ASTM D6783, or DIN 54815 parts 1 and 2.
- IV. Resin: The manufacturer shall use only polyester or vinyl-ester resin systems designed for the service intended. Pipe shall not contain Portland cement or other corrodible elements.
- V. Filler: All aggregate, sand and Quartz powder shall meet the requirements of DIN EN 12620, where applicable.
- VI. Additives: Resin additives, such as curing agents, pigments, dyes, fillers and thixotropic agents, when used, shall not be detrimental to the pipe.
- VII. Elastomeric Gaskets: Gaskets shall be EPDM or SBR rubber and suitable for the service intended. All gaskets shall meet the requirement of DIN EN 681-1.
- VIII. Stainless Steel Sleeve Coupling: Stainless steel joint sleeves/couplings shall meet the requirements of DIN EN 10088.
- IX. Pipes: Pipe shall be manufactured by the vibratory vertical casting process resulting in a dense, non-porous, corrosion- resistant, homogeneous, composite structure.
- X. Acceptable manufacturer: Manufacturer of Pipe shall employ manufacturing methods and material formulations used in the manufacture of polymer concrete jacking pipe for a minimum of fifteen years. Manufacturer shall provide a list of references demonstrating that a minimum of 300.000 m of the proposed product has been installed over the last ten years.
- XI. Compressive strength: Pipe shall have a minimum unconfined compressive strength of 90MPa when measured in accordance with ASTM C 579.
- XII. Packaging, handling and shipping shall be performed in accordance with the Manufacturers instructions.