CLAIMS

1. A method for constructing a cylindrical tank which has a metallic inner tank and a concrete outer tank, comprising:

a step of building up a sidewall of the outer tank in an outer circumferential edge portion of a base portion of the outer tank;

a step of assembling a roof portion of the outer tank on the base portion of the outer tank other than the outer circumferential edge portion;

a step of lifting the roof portion of the outer tank which is on the base portion of the outer tank using a jack-up unit while the sidewall of the outer tank is being built up and then holding the roof portion on the sidewall of the outer tank; and

a step of assembling the inner tank independently of the roof portion of the outer tank in a space under the roof portion of the outer tank which is created due to the lifting,

wherein the step of lifting the roof portion and holding the roof portion on the sidewall of the outer tank, and the step of assembling the inner tank are performed alternately.

2. The method for constructing a cylindrical tank according to claim 1, comprising:

a step of assembling the roof portion of the outer tank in a state in which the roof portion is held on the sidewall of the outer tank.

3. The method for constructing a cylindrical tank according to claim 1 or 2, comprising:

a step of assembling the inner tank by alternately repeating lifting of an inner tank lateral plate using a jack-up unit and attachment of a next inner tank lateral plate to a lower side of the lifted inner tank lateral plate.

4. The method for constructing a cylindrical tank according to claim 1 or 2,

wherein the sidewall of the outer tank is built up by placing concrete using an outer tank lateral plate as an inner side mold, the method comprising:

a step of forming an opening portion in the outer tank lateral plate in advance;

a step of fitting an anchor portion which is connected to an anchor that is embedded in the concrete in the opening portion; and

a step of supporting the jack-up unit via the anchor portion that is fitted in the opening portion.

5. The method for constructing a cylindrical tank according to claim 1 or 2, comprising:

a step of providing the jack-up unit at a top portion of the sidewall of the outer tank after the sidewall of the outer tank is built up to lift the roof portion of the outer tank;

a step of providing a protruding portion on an inner circumferential face of the sidewall of the outer tank to regulate a height at which the roof portion of the outer tank is lifted; and

a step of attaching the roof portion of the outer tank whose height is regulated by the protruding portion to the inner circumferential face of the sidewall of the outer tank via a coupler.

[CLAIMS]

[Claim 1]

A method for constructing a cylindrical tank which has a metallic inner tank and a concrete outer tank, comprising:

a step of building up a sidewall of the outer tank in an outer circumferential edge portion of a base portion of the outer tank;

a step of assembling a roof portion of the outer tank on the base portion of the outer tank other than the outer circumferential edge portion;

a step of lifting the roof portion of the outer tank which is on the base portion of the outer tank using a jack-up unit while the sidewall of the outer tank is being built up and then holding the roof portion on the sidewall of the outer tank; and

a step of assembling the inner tank independently of the roof portion of the outer tank in a space under the roof portion of the outer tank which is created due to the lifting.

[Claim 2]

The method for constructing a cylindrical tank according to claim 1, comprising:

a step of assembling the roof portion of the outer tank in a state in which the roof portion is held on the sidewall of the outer tank.

[Claim 3]

The method for constructing a cylindrical tank according to claim 1 or 2, comprising:

a step of assembling the inner tank by alternately repeating lifting of an inner tank lateral plate using a jack-up unit and attachment of a next inner tank lateral plate to a lower side of the lifted inner tank lateral plate.

[Claim 4]

The method for constructing a cylindrical tank according to any one of claims 1

to 3,

wherein the sidewall of the outer tank is built up by placing concrete using an outer tank lateral plate as an inner side mold, the method comprising:

a step of forming an opening portion in the outer tank lateral plate in advance;

a step of fitting an anchor portion which is connected to an anchor that is embedded in the concrete in the opening portion; and

a step of supporting the jack-up unit via the anchor portion that is fitted in the opening portion.

[Claim 5]

The method for constructing a cylindrical tank according to any one of claims 1 to 4, comprising:

a step of providing the jack-up unit at a top portion of the sidewall of the outer tank after the sidewall of the outer tank is built up to lift the roof portion of the outer tank;

a step of providing a protruding portion on an inner circumferential face of the sidewall of the outer tank to regulate a height at which the roof portion of the outer tank is lifted; and

a step of attaching the roof portion of the outer tank whose height is regulated by the protruding portion to the inner circumferential face of the sidewall of the outer tank via a coupler.