

## **ABSTRACT OF THE DISCLOSURE**

The present invention relates to a formwork construction method for inner wall and device thereof. The construction method includes stripping, hoisting, supporting and spreading the formwork, in which, hoisting of the  
5 formwork is achieved with crane. Stripping and spreading of the formwork is achieved by a transverse motion machine making the driver rotary spreading and the driven liner spreading. The driver of machine leans against the wall, and the driven connect with the formwork. The formwork is supported on the bearing block of the inner wall by a bracket hinged under the formwork. The  
10 transverse motion machine makes use of a screw drive mechanism, which can enhance the bearing abilities and have a function of self-lock.

Figure 1 accompanies the abstract.