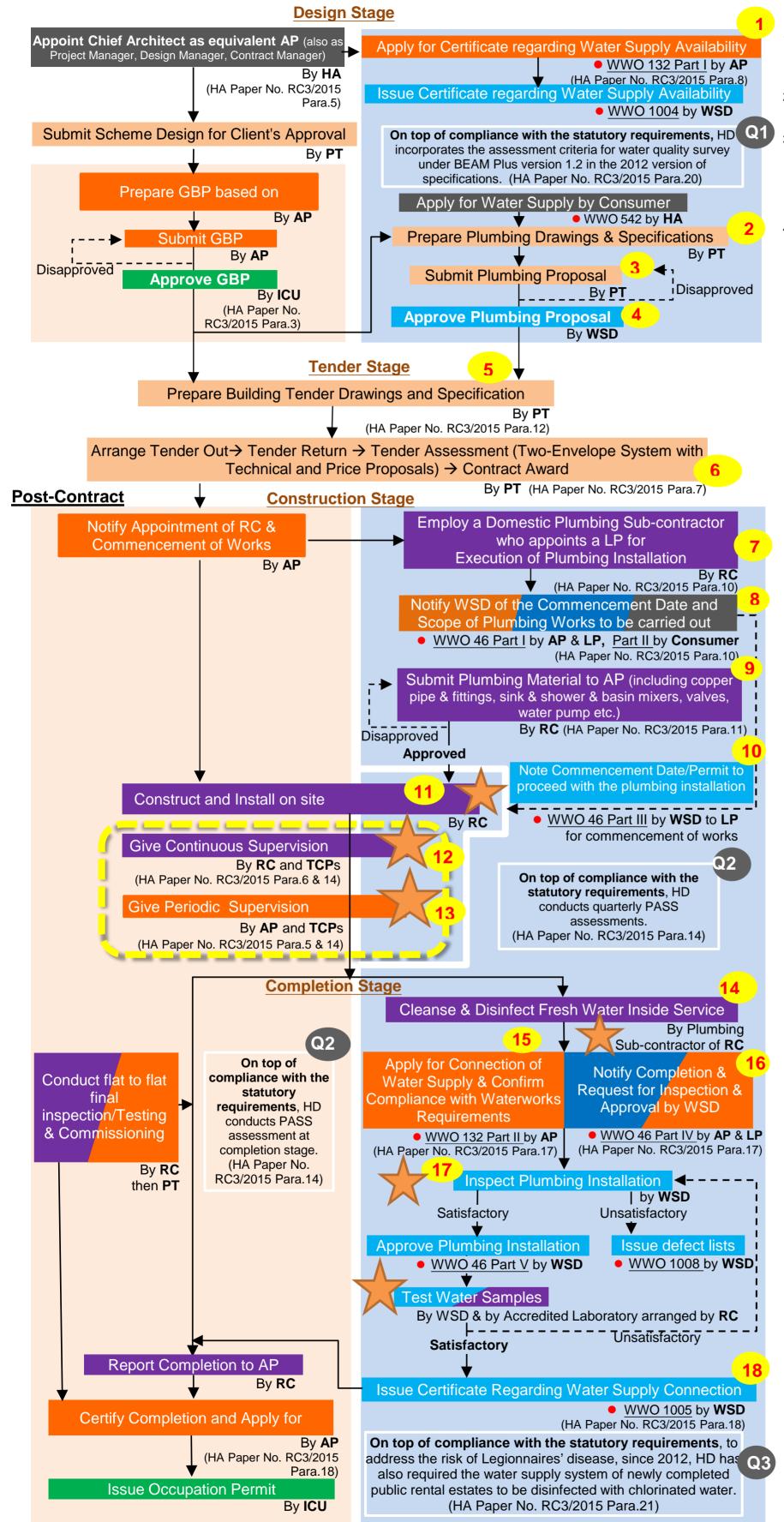
## FLOW CHART FOR DESIGN, CONSTRUCTION AND COMPLETION OF FRESH WATER SUPPLY SYSTEM IN HOUSING AUTHORITY'S PUBLIC HOUSING DEVELOPMENTS

## **Pre-Contract**



- HA has been specifying the use of lead-free solder materials for jointing of copper pipes. (BS EN 1254-1:1998)
- HA has checked submission of lead-free solder materials and approved for use on site.
- 4) HA has been / will be implementing improvement measures to address this problem -

 a) the latest additional water sample testing requirements, published under WSD's Circular Letter No. 1/2015 on 13 July 2015, to be incorporated in HA specifications and implemented to all on-going HA contracts with immediate effect. The four new test parameters and acceptance criteria required under this Circular Letter are: lead (≤10µg/L), cadmium (≤3µg/L), chromium (≤50µg/L) and nickel (≤70µg/L);

- b) ask contractors to declare the application of solder materials on site is lead free;
- c) include solder materials in on-site delivery verification; and
- d) strengthen inspection on soldering materials, ensuring compliance with contract requirements, i.e., explore the use of hand-held equipment in speedy onsite checks for lead content in soldering materials.

Legend



Key steps from Design to Completion Stage of Fresh Water Supply System

Current HD's practice on top of compliance with statutory requirements Processes related to Buildings Ordinance (Chapter 123 & 123a) (BO) **under exemption** (enforced by ICU to exercise independent administrative building control over HA buildings in line with the BO and related requirements)

ANNEX C

Third Issue

Processes related to Waterworks Ordinance (Chapter 102 & 102a) without exemption (enforced by Water Supplies Department)

HA's Practice on top of statutory requirements

## **Colour Legend of Activities**

By HA
By AP
By PT
By RC
By LP
By WSD
By ICU

## Abbreviations

- AP Authorized Person
- ICU Independent Checking Unit
- **GBP** General Building Plans
- LP Licensed Plumber
- PT Project Team
- RC Registered Contractor
- TCP Technically Competent Person
- WSD Water Supplies Department