

**GOVERNMENT OF WEST BENGAL  
DIRECTORATE OF HEALTH SERVICES  
PUBLIC HEALTH BRANCH  
SWASTHYA BHAVAN, GN 29 SECTOR V  
SALT LAKE, KOLKATA 700091  
Phone (033)23330 180/183-5 Fax (033) 2357 7391  
Email: idsp.wb@wbhealth.gov.in**

**To  
All CMOH**

**Sub: Guideline for disinfection of Water sources**

**Disinfection of Water Sources:**

- a) **Well** : Measurement of quantity of water in a well  $D^2 \times W \times 5$  gallons  
Where, "D" stands for diameter in foot.  
"W" stands for depth of well in foot.  
30 gr. of Bleaching Powder/100 gallons of water  
or 2.5 gm. of Bleaching Powder/1000 litres of water  
(0.7 mg. of applied Chlorine per litre of water)  
(Bleaching Powder of good quality should contain 3.3 p.c. of Chlorine)  
(1 cft. Of water= 6.25 gallons & 1 gallon of water weighs 10lbs).
- b) **Very rough and common formula of disinfection of a Tube-well:** - 1  
Match- box of Bleaching Powder for a Tube-well.
- c) **Pond-Water-disinfection** : 100 gr./per running(instant method) metre  
Continuing method (Practical Method): Bleaching Powder depot on two slides  
of the bathing ghat for slow and constant release of chlorine enhanced by  
movement of water each time.
- d) **Disinfection of domestic water sources:**  
Halazone Tab; One tab of 5 mg. in one litre of water to be used after half hour  
i.e. the tab. Having been completely dissolved.
- e) **Other Sanitation purposes:** Bleaching Powder is to be mixed with lime in  
the proportion of 1:9 respectively for sanitation purpose.

**DDHS (PH & CD)**

Copy forwarded to: *All Dy. CMOH II*

**DDHS (PH & CD)**