



ANDAMAN AND NICOBAR ADMINISTRATION  
OFFICE OF THE CHIEF ENGINEER  
ANDAMAN PUBLIC WORKS DEPARTMENT  
PORTBLAIR

PortBlair, dated 28.03.2000



CIRCULAR NO :27

**Sub :- Roof Top Rain Water Harvesting Tanks- precautions to be taken for maintenance.**

Large number of Roof Top Rain Water Harvesting Tanks have been built at different places in these Islands. Requests have been received for specifying maintenance procedures. Following steps if followed vigorously will lead to effective use of stored water in the tanks.

1.0 Roof top tanks like all water supply systems, require periodic maintenance to ensure a reliable and quality supply of water. These tanks are built with Ferro cement, are cylindrical in shape with domical roof for easy drainage of rainwater. The tank capacities are 10kl, 15kl, 20kl, 25kl and 30kl. A small filter media is provided at inlet so that only clean water enters the tank. Provisions are made for scour pipe ( to drain out the tank ) and over flow pipe.

2.0 These stored water in these tanks is meant to supplement the normal water supply systems. These tanks can be extremely useful during dry periods. It should be ensured that the tank is full before the dry season commences. During rainy season tank can be used extensively.

3.0 During rainy season, the whole system should be checked and cleaned. This be repeated after every dry period exceeding a month. Just before first showers of rain is anticipated (after dry season) the storage tank should be scrubbed and flushed of all sediments and debris. The tank should be refilled afterwards with a few centimeter of clean water to prevent cracking. Ensure replacement of all worn out screens, filter media and servicing of the outlet tap etc. similarly roof should be cleaned of all dead leaves, bird droppings etc.

4.0 Leakage in floor and walls if noticed should be attended to on priority. The tanks should be white washed inside and cement painted outside every alternate year. At least once a year the tank be chlorinated. The external surroundings should be generally kept clean with adequate surface drainage so that no accumulation of water takes place near the tank.

5.0 As a matter of abundant precaution, a 25mg tablet of chlorine can be added to every bucket of water likely to be used for drinking. The water should be consumed after allowing 12 hrs for chlorine to act.

The Director, Tribal Welfare,  
P/Blair -

Chief Engineer & Secy(PW)  
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1. All Head of Departments under A&N Administration.
2. P.S to Chief Engineer, APWD., PortBlair