

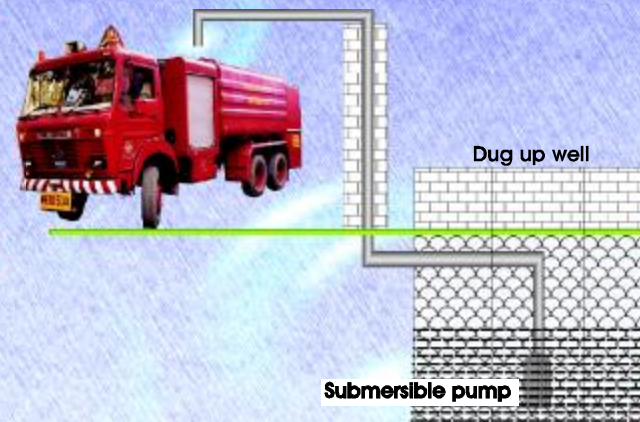
## CATCH WATER WHERE IT FALLS

### Resource Utilisation & Management

#### Purpose :

Filling point for fire engines,  
Gardening, flushing,  
Utilisation of abandoned well.  
Installation of filling point.  
Recharging with roof top rain  
water by pipe network & first  
flush arrangement. Connection  
to garden network of Kasturba  
Hospital. **Capacity 1 lakh lit/day.**

Filling Point - Typical Arrangement



Cement Godown



### Resource Creation

Marol Fire Station



#### Purpose :

##### Fire fighting

Fire Engines from Marol Fire station  
used to travel either to Andheri or to  
Ghatkopar for filling water. Now filling  
point is installed Within station by  
converting abandoned Septic Tanks  
into rooftop Rain Water storage tanks  
with appropriate precautions. This  
saves fuel & precious time in addition  
to water. **Storage capacity available  
1.60 lakh litres.**

M.C.G.M. has prohibited burying of existing wells from Jan. 2003. A.E. (B & F), A.E. (B.P.)  
are required to take action in case of unauthorized filling up of wells.

### Rain Water Harvesting and Water Conservation Cell

Municipal Corporation of Greater Mumbai

Municipal Head Office Annexe, 3<sup>rd</sup> floor, Mahapalika Marg, Fort, Mumbai 400 001.

Telephone : (022) 2269 1001(D), (022) 2262 0251 Ext. 2309.

e-mail : aerwhbmc@yahoo.co.in

Website : mcgm.gov.in **Heading** → MCGM Initiatives **Subject** → Rain Water Harvesting

SAVE EVERY DROP OF WATER, RAIN HARVESTING FOR BETTER FUTURE

DON'T FORGET  
GROUND WATER HAS LIMITS

SO  
USE YOUR  
OWN  
WATER



Adopt



RAIN WATER HARVESTING

MUNICIPAL CORPORATION OF GREATER MUMBAI



## CATCH WATER WHERE IT FALLS

Government of Maharashtra issued directives under **Shivkalin Pani Sathavan Yojana\*** to various Municipal Corporations for taking up **Rain Water Harvesting** in their jurisdiction. M.C.G.M. held discussions with various professionals & by order of Municipal Commissioner, set up a study group under Chairmanship of Additional Municipal Commissioner (P). First meeting of the study group was held on November 15, 2002 wherein it was decided to formulate **Rain Water Harvesting cell** to study various aspects of RWH & to initiate Pilot Projects in M.C.G.M. Premises.

\*G.R. No. R PD/1001/CN/330/WS-07 Dtd. 14/2/2002.

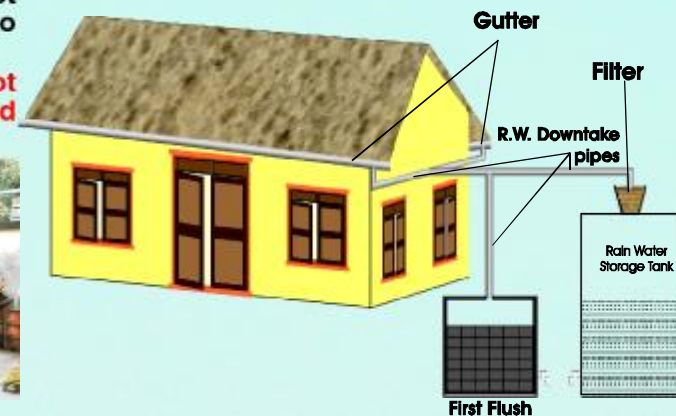
### Storage of Rain Water in underground or above ground Artificial Tanks

#### Purpose :

##### Carwash & Gardening

Roof Top collection. Tank above ground for direct utilisation and with pump to fill up over head tank.

Recharge component not considered as in flood prone area.



Santacruz Transport Garage



## CATCH WATER WHERE IT FALLS

**Rain Water Harvesting** has been made mandatory to new developments having plot area 1000 sq.mts. and above, from 1st October 2002 by introducing an IOD condition and checking compliance prior to issue of O.C.

Till June 2010 about 1651 new buildings have implemented such projects. This activity is monitored by building proposal department of Brihanmumbai Mahanagarpalika which controls development activities. From June 2007, RWH has been made mandatory to new development having plot area 300 sq.mtr. and above.

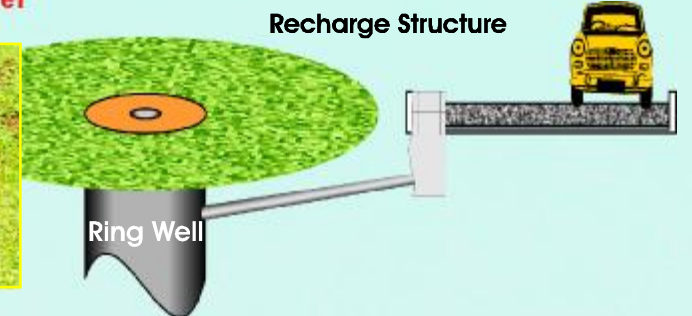
### Recharging of the Subsoil Water through Percolation

#### Purpose : Gardening

Siddhivinayak Mun. Garden. Daily demand - 30,000 lit. One ring & two recharge wells. Surface runoff for gr. water recharge. Mun. supply disconnected since Nov.04. Saving Municipal Water 1,00,00,000 Lit./Yr.



Sane Guriji Udayan



### Direct Recharging of the Subsoil Water Strata through Dug Up Wells

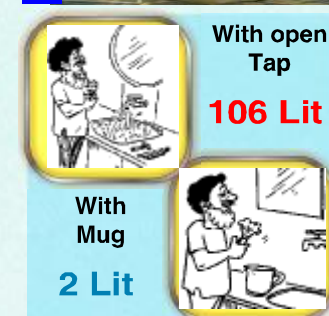
#### Purpose :

##### Flushing & Fire Fighting

Roof top collection for direct use & dug up well recharge. Intermediate level collection tank. Surplus for recharge. Surface runoff for gr. Water recharge by percolation pits Filling Pt. for fire brigade.



Bhagavati Hospital



Remember  
12 Litres of Water  
is Wasted in 1 minute  
Through open Tap



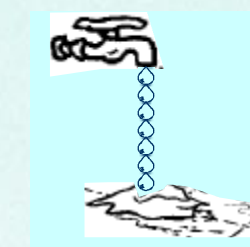
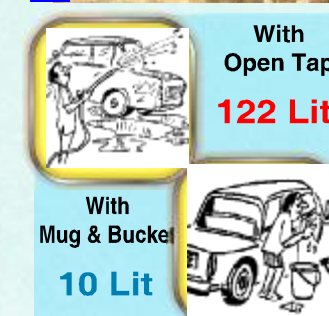
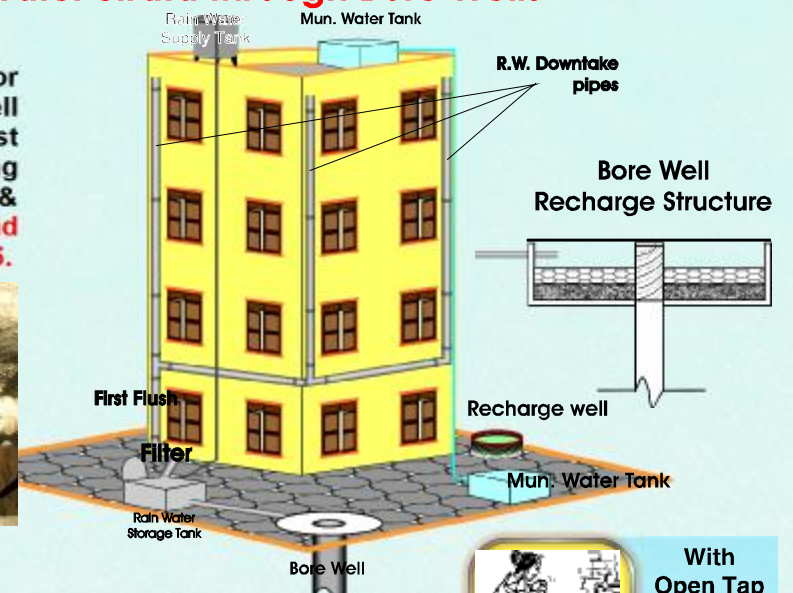
### Direct Recharging of the Subsoil Water Strata through Bore Wells

#### Purpose: Gardening

Roof top collection for direct use & bore well recharge. Saving in cost of gutter by providing vata. First flush valve & online filter. Bore well did not dry after monsoon 05.



C.T.I. & R.C. BORIVALI



Remember  
We Wast Water  
109.1 Lit/Day, 754.6 Lit/week  
& 39712.0 Lit/Year  
Through Dribbling Tap



**WATER IS PRECIOUS NATURAL RESOURCE AND NOT A COMMODITY**