

प्रकाश राय

भा.प्र.से.

Prakash Rai

I.A.S.

प्रकार्यकारी अधिकारी

Chief Executive Officer



दिल्ली जल बोर्ड

DELHI JAL BOARD

राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार

Govt. of National Capital Territory of Delhi

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No. DJB/CEO/2022/D-1001

Dated: 18.02.2022

कुलनित कार्यालय
VC's OFFICE
डायरी संख्या
Diary No. 1237
दिनांक
Date 03.03.22

Subjects : Request to organize workshops to create awareness on Rain Water Harvesting among students of Delhi University - reg.

Sir,

Delhi Jal Board is responsible to provide clean, safe and sufficient water to all citizens of Delhi. Due to rise in population and limited surface resources, the groundwater resources are stressed. Therefore, it is necessary to use alternate means of water conservation, so that the groundwater resources are preserved.

Delhi Jal Board has taken initiative to raise groundwater aquifers by adopting alternate means of surface water consumption like Rain Water Harvesting. Rain water Harvesting is the cheapest mode of water conservation. Students of Delhi University being the future of India, are necessary to be educated on importance of water and it's conservation through Rain Water Harvesting.

Hon'ble Lt. Governor has been regularly reviewing the progress in this regard and has emphasised on public outreach through schools/colleges.

Therefore, directions may be issued to Heads of all the Colleges to organize workshops on the subject. Students of all classes should be covered and workshop be completed positively by February, 2022. A presentation on the subject is also attached herewith for the workshop.

R 601
7/3/22

8/14/944
7/3/22

g/o the Registrar
u

AR (Colleges)
AR (HR)

SAVE IT
HILE YOU
TILL CAN

Water

Further, it is also requested that information on below points may kindly be provided for kind appraisal of Hon'ble Lt. Governor.

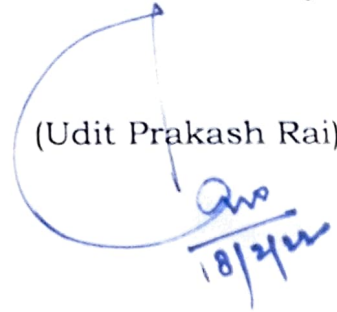
- 1) Workshop conducted
- 2) Students attended
- 3) Colleges covered

Encl: Soft copy of PPT.

Sh. Yogesh Singh,
Vice-Chancellor,
University of Delhi,
North Campus,
New Delhi-110007.

Yours sincerely,

(Udit Prakash Rai)



18/2/22

RAINWATER HARVESTING

FUTURE OF WATER CONSERVATION

Campaign by Delhi Jal Board

BACKGROUND



□ Every human has right to safe, clean and affordable access to water.

□ These concerns are across the country, due to inequitable distribution of water, non availability of sufficient quantity and lack of community awareness





may not be available to meet the growing demand.

• Delhi has no resources of surface water and is dependant on neighboring states.

• Due to rise in population the gap between demand and supply is increasing day by day.

• The existing underground resources are overstressed due to extraction of water.

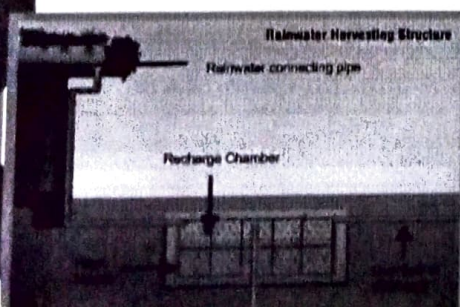
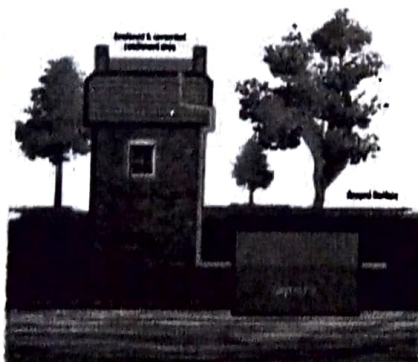


SOLUTION

• Alternate resources are bound to be explored.

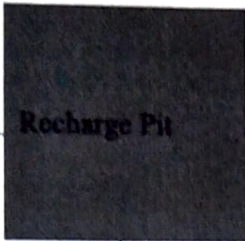
• The only solution is water conservation.

• Rainwater Harvesting is the simplest and cheapest system of water conservation.



METHODS OF RAINWATER HARVESTING

- ## RAINWATER HARVESTING
- Rainwater harvesting is the process to store rainwater during rainy season.
 - Rainwater is collected from rooftop of buildings and stored in a tank.
 - From tank, the rainwater is percolated / seeps in the ground and restores groundwater.
 - The rainwater can be collected in tanks, to use for horticulture and other non potable purposes like toilet cisterns, car washing etc.



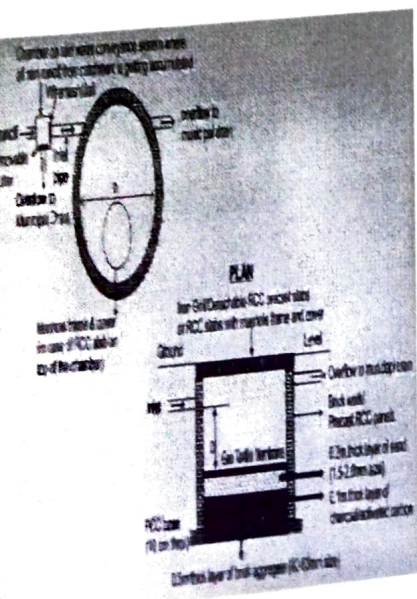
Over flow
to Municipal Drain

DESIGN OF RAINWATER HARVESTING

- .Total required capacity of recharge pits =**

Rooftop area (in sqm) X 0.8
(runoff coefficient for roof top/concrete
area) X 0.025(average maximum rain
fall intensity in meters per hour)

- the rainwater can be collected in tanks, to use for horticulture and other non potable purposes like toilet cisterns, car washing etc.





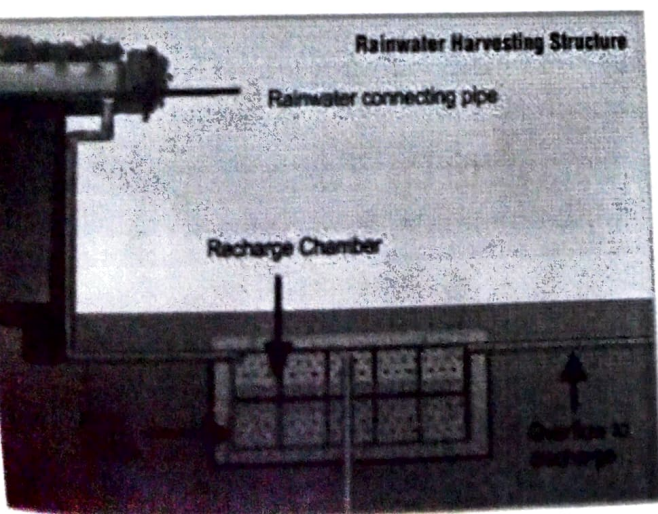
MAINTENANCE OF RAIN WATER HARVESTING SYSTEM

- Rain Water Harvesting system implemented. Is the job complete?
- No. It is job half done.
- DJB Regulations require for ensuring proper functioning of RWH system.
- Maintenance is simple.
- But time sensitive and require regularity.
- It is like mother taking care of her child.
- Doctor taking care of his patient.

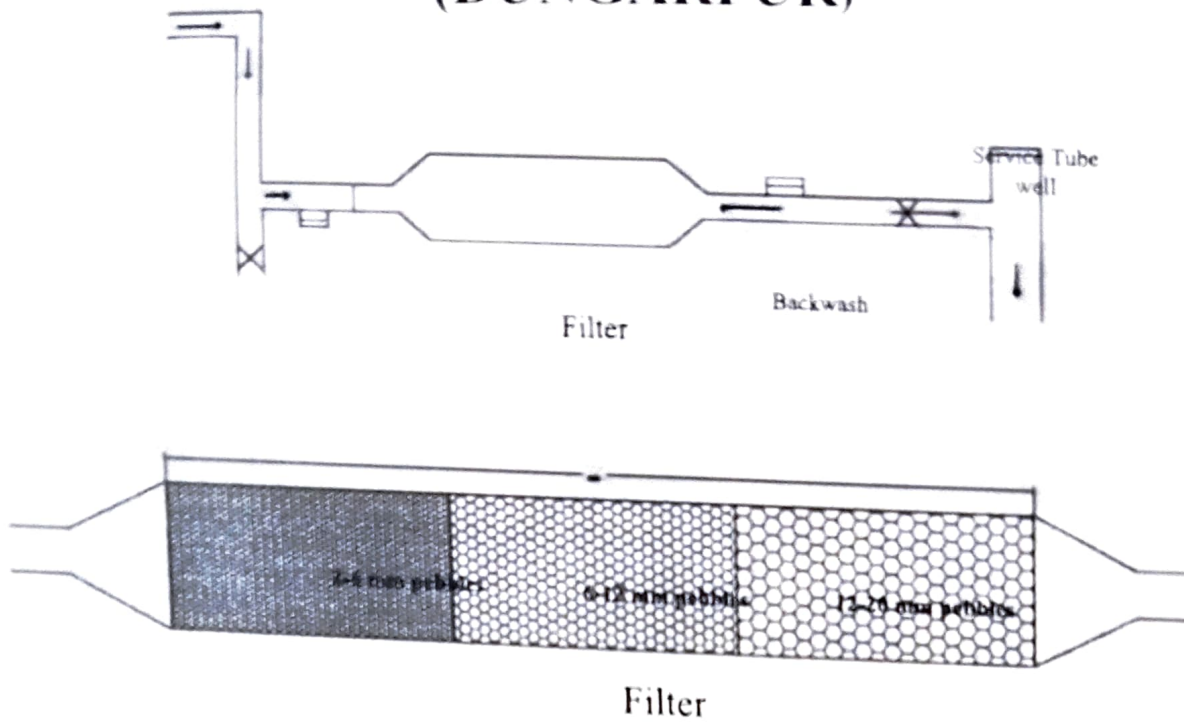
2/18/2022

NEW MODEL OF RWH SYSTEM DJB MODEL

NEW MODEL



(DUNGARPUR)



Drawing NTS

Schematic diagram of filter used in New RWH system

- **REBATES/ PENALTIES/ FINANCIAL ASSISTANCE ON RWH SYSTEM**
- **RWH System-Rebate @10% on water bills**
- **RWH System & recycling unit- Rebate @ 15 on water bills**
- **Penalties- 1½ times the water bills**
- **Financial assistance- Rs 50,000 or cost of RWH system, whichever is less**



Let's be a part of movement

*Thank
you!*