



As the has been harvested in India since the dawn of civilization. The Ramayana, Mahabhanta and viroiso other Vedic, Buddhist and lain tosts contain several references to water harvesting structures in existence and water being revered as a life giving and sustaining force.



nded down from generation to generation. ese indigenous technologies did not require skill, chnology, management and fuel that need to be ought in from outside. They replenished each year th monsoon rain and served the people throughout e year. These were environmental friendly and esented the ingenuity of inexpensive and simple

Rapid urbanization and an ever-increasing needs to be do poot to the contaminated where bodies but also exerted an additional pressure on the scarce resources. RWH is now getting increasing attention after having been ignored for decades.

Traditional methods

At notio is a small circular or square underground tank constructed with line mortar or cement plaster. It is normally constructed on fallow ground where surface run off can be diverted to the tank by creating a clean catchment (paytan) all around this constructed for allowing for a community. The community tanks is generally constructed for a school, panchayst plar or a large settlement such as a village. It is usually circular in shape and has almost similar depth and diameter, varying from 3 to 6 metes. It is other beautifully decorated with tiles, which helps keep the water

The traditional RWH structures were ignored after independence with piped water becoming and advantage of the structures were independence with piped water becoming plant gradient water between the piped water becoming and water becoming water between the piped water becoming water between the piped water becoming water between the piped water becoming water becomes water between the piped water becomes water between the piped water becoming water between the piped water becoming water between the piped water becoming water becoming water between the piped water becoming water becomes water between the piped water becoming water between the piped water becomes water between the piped water becomes water between the piped water between the piped water becomes water

A micro level study was designed to study the present status of traditional RWH methods, analyze the constraints being faced in their management and to assess the quality of harvested water for household consumption. The study was carried out in Noha tehsil in Bikaner district of Rajasthan. A Willare named langlow ass runprobley selected as it. and to assess the quality of harvested water for household consumption. The study was carried out to household consumption. The study was carried out to hook the sile in Bilancer district of Rajasthan. A village named langioo was purposively selected salt, village named langioo was purposively selected salt village named langioo

Written by Administrator

Thursday, 26 August 2010 00:00 - Last Updated Monday, 11 October 2010 10:32

Primary as well as secondary data were used for the study. The primary data were collected through semi-structured interview schedule. Resource mapping was used to mark the households having first structure. In olden days, tankas were built to collect only RWH structures.

Findings

Background profile

super cent) were having their personal traditional RWH structures namely transac. Of these, 282 [59.3 per cent) tower baving their personal traditional RWH structures namely transac. Of these, 282 [59.3 per cent) tonks were in findnes while 193 (40.6 per cent) tonks were in findnes while 193 (40.6 per cent) tower located in the village itself.

Two thirds of households had nuclear families. Over half the households had family size ranging from 4-8 members. A huge majority (86.3 per cent) were having minimal monthly income of up to Rs 3,000. One out of ten families had more than 8 livestock

Status of tankas

The size of tanks depends on various factors like or considerable of specific productions of the household. The water holding capacity of tanks in the village varied from 45,000 to 200,000 to 200,000 discussion with the respondens it was found that as per requirements, the excavated material floor (poytral) surrounding the tanks should be equal to the depth of tanks. However, most houses lacked

pping was used to mark the households having in olden days, tankas were built collect only if structures.

In olden days, tankas were built collect only if structures, and the structures are supply and paid water tankers/camel carts is also available to the villages, the tanks were built to collect only a large water supply and paid water tankers/camel carts is also available to the villages, the tanks were built to collect only in the structure of the structur

Among the various RWH structures, tranks were the only traditional method of rainwater hancesting in the village. It was found that 91.6 per can thouseholds were having one tone at their house whereas the remaining households had two. The latter were all located in chanis where no other than the structure of the households and water than the structure of the households was valiable.

The size of tanka depends on various factors like availability of space, finance and water requirement of the household. The water holding capacity of tanks in the village varied from 45,000 to 200,000 to 200,000 to 100,000 to 10

Quality of harvested rainwater

Rainwater is considered as the purest form of water. However, when collected in RWH structures, its quality depends upon the care taken in cleaning and preparing the catchment race, the BWH structure as well as its maintenance. The study could feat the community takes a threefore they structure as well as its maintenance. The study of the structure as well as its maintenance in the halfer of the communities of the consideration which water the communities in the consideration and the mountenance of the communities in the commu found that the tanks in the village were also being used as storage tanks. Whenever the water level in the tanks was low, the people were obtaining water from outside sources and storing the same in the tanks.

The quality of water as obtained from the selected tanks was ascertained by perception of those who were using it as well as through laboratory testing. The physical properties such as appearance, taste and odour were ascertained through perception. Rainwater is considered as the purest form of water. However, when collected in RWH structures, its quality It as well as through laboratory testing. The physical properties such as appearance, taxe and odour were ascertained through perception.

While all the respondents feel that the water from tankas was sweet in taske, most (25,6 per cent) feel that it was clean in appearance and less cent feel that the water from tankas was sweet in taske, most (25,6 per cent) feel that it was clean in appearance and less cent feel that it was clean in appearance and less that the water was odourless.

Conclusion

Although two-thirds households in the village. Second, maintenance of community agencies. Government agencies, and traditional RWH structures and the water was potable, yet the utilization was not optimal. The was common goal, which is to save our thousand years old heritage.

(The euthor is Associate Professor, Extension

Although two-thirds households in the village had traditional RWH structures and the water was potable, yet the utilization was not optimal. The availability of other water sources had changed the autitude of village people towards this culturally rich heritage of the region. Villagen found it more convenient to fetch water from the other sources available in the village rather than use household

22 Kurukshetra May 2010

2/2

The water of the tankas was consumed for human as well as livestock needs. For dhani dwellers, no other source of water was available in near vicinity. Hence, they were fully dependent on the tankas for their water requirements for their human as well as livestock needs. In case of village households, only one third (35.5 per cent) wer found to be using water from tankas for household