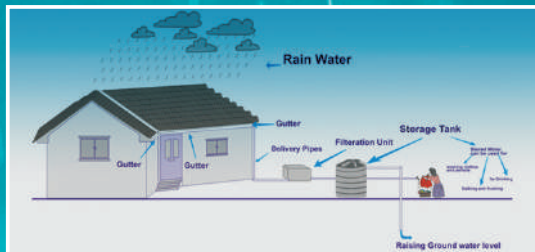




# RAIN WATER HARVESTING SYSTEM



Rainwater harvesting provides an independent water supply during regional water restrictions, and in developed countries, is often used to supplement the main supply. It provides water when a drought occurs, can help mitigate flooding of low-lying areas, and reduces demand on wells which may enable groundwater levels to be sustained. It also helps in the availability of potable water, as rainwater is substantially free of salinity and other salts. Application of rainwater harvesting in urban water system provides a substantial benefit for both water supply and wastewater subsystems by reducing the need for clean water in water distribution system, less generated stormwater in sewer system and a reduction in stormwater runoff polluting freshwater bodies.

# RAIN WATER HARVESTING SYSTEM

## SALIENT FEATURES

www.marssolaraqua360.com

RAIN WATER COLLECTION DATA BY USING MARS AQUA 360 FILTERS				
Roof Top Area In Square meters	Roof Top Area in Square feet	Collection of water in a day if the Intensity of Rainfall is 50mm/ day in litres	Possible Collection of Filtered Rainwater per year in litres	Recommended Storage Tank Capacity In litres
25	269	957	19,125	1,000
50	538	1,914	38,250	2,000
75	807	2,871	57,375	3,000
85	915	3,252	65,025	3,500
100	1,076	3,828	76,500	4,000
110	1,184	4,208	84,150	4,300
125	1,345	4,781	95,625	4,800
135	1,453	5,164	103,275	5,250
150	1,614	5,738	114,750	6,000
160	1,722	6,120	122,400	6,250
175	1,883	6,700	133,875	6,750
185	1,991	7,076	141,525	7,250
200	2,152	7,657	153,000	7,750
225	2,421	8,614	172,125	8,750
250	2,690	9,571	191,250	9,700

With the use of Mars Aqua 360 Filters one can harvest the rainwater and recharge the groundwater source to meet the requirements to the extent of 35 % of the annual requirements. Solar Aqua 360 Filters are a good substitute for Conventional Filters like sand filter. Filtration chamber with layers of aggregate. This filter is absolutely maintenance free compared to conventional filter Mars Aqua 360 is designed specifically for Rainwater Harvesting and 'Mars Aqua 360' Filters are designed to fix to the wall by connecting Rooftop water Pipes. When the rainwater flows by gravity through the uniquely designed inlet of filter and enters the upper housing so as to flow into the Stainless Steel 304 grade filter element in angular motion at specific velocity, which creates cohesive force and segregates dirt particles and clean water individually. There by dirt particles and waste materials are flushed out through the dram outlet and at the same time clean water passes through the clean water outlet which can be used for utilization or recharging of bore wells

## APPLICATIONS



VILLAS



INSTITUTIONS



HOTELS/RESORTS



APARTMENTS



HOSTELS

**MARS**  
**SOLAR AQUA 360**  
Manufacture | Integration | Solutions | Service

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RO PLANT | SOLAR WATER HEATERS | STP | ETP | WTP | SOLAR ON GRID | SOLAR OFF GRID  
SOLAR PUPMING | PUPMS | HYDRO PNEUMATIC SYSTEM | UPS | STABILIZER | HARMONIC FILTER