

जीसस एंड मेरी कॉलेज

दिल्ली विश्वविद्यालय

चाणक्यपुरी, नई दिल्ली-110021

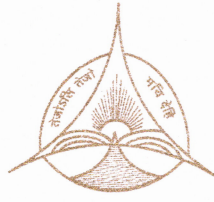
रा.मू.प्र.प. द्वारा 'ए+' ग्रेड मान्यता प्राप्त

Jesus and Mary College

University of Delhi

Chanakypuri, New Delhi - 110021

Accredited by NAAC with "A+" Grade



दूरभाष/Tel No. : +(91)-(011)-26110041, 26875400

फैक्स नं/ Fax No. : +(91)-(011)-24105466

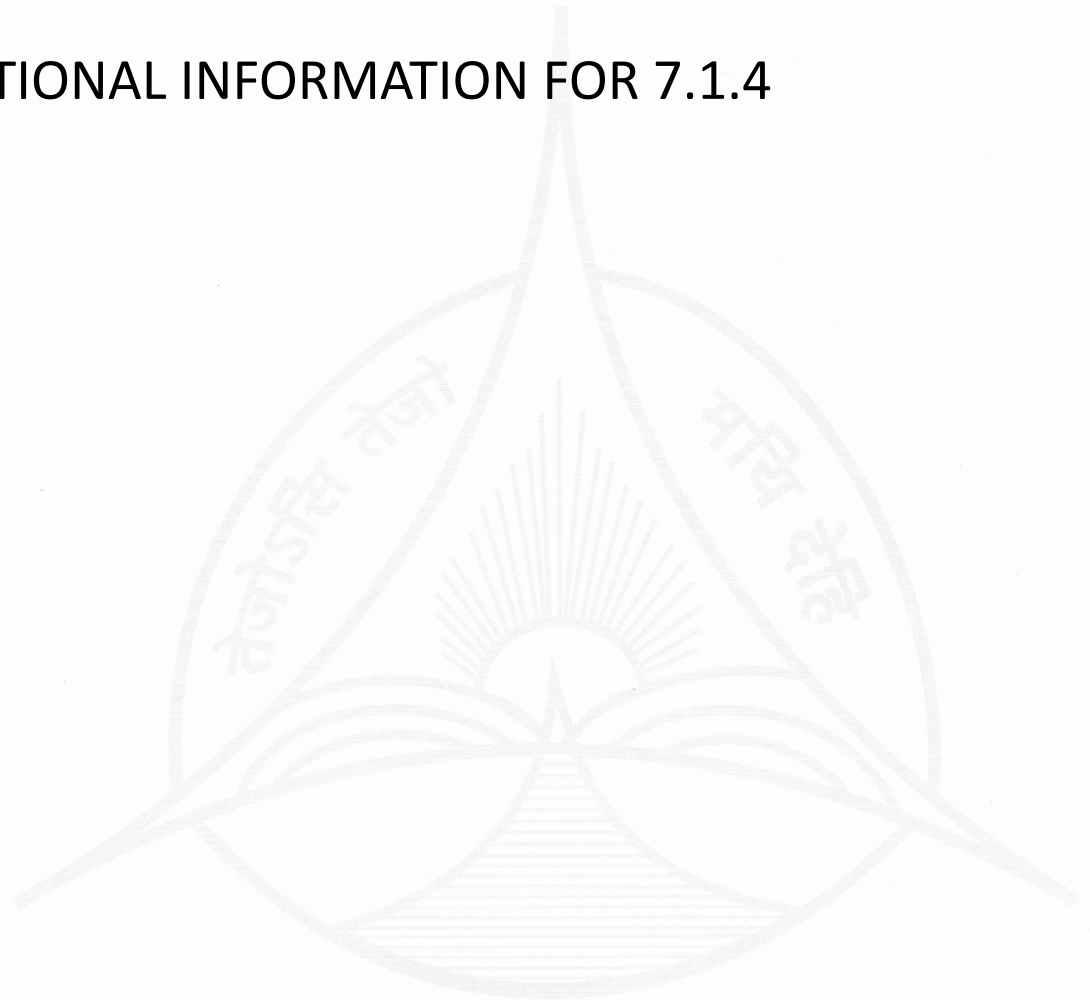
वेबसाइट/Website : <http://www.jmc.ac.in>

ईमेल/E-mail : admin@jmc.ac.in, info@jmc.ac.in,
principal@jmc.ac.in

JESUS AND MARY COLLEGE

UNIVERSITY OF DELHI

ADDITIONAL INFORMATION FOR 7.1.4



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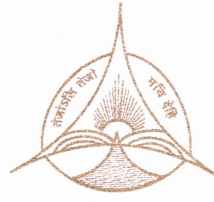
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Despite its urban location, Jesus and Mary College benefits from proximity to natural green spaces, such as Sanjay Van, Jahanpanah Forest, and the Aravalli Biodiversity Parks, which serve as catchment areas for rainwater. The campus features a rooftop rainwater harvesting system connected by six drainage pipelines leading to underground tanks. These tanks are cleaned annually to ensure efficient maintenance. The harvested rainwater is directed into three recharge wells that are 15 meters deep and 150 mm in diameter. The wells are lined with brickwork and layered with coarse sand, gravel, and boulders to filter the water effectively and maximize groundwater recharge.

As part of its green infrastructure, the college has installed a rooftop tank to collect wastewater from reverse osmosis (RO) systems. This water is repurposed for flushing in washrooms through a separate pipeline network. Additionally, a system has been installed to reuse RO wastewater for fountains and gardening, further enhancing sustainability and resource efficiency.

To minimize water wastage, the college has installed sensors in select washrooms, ensuring efficient water usage. The water supply is managed by the New Delhi Municipal Council (NDMC) and is distributed through a well-maintained pipeline network. Drinking water is treated in an RO plant and delivered via a dedicated pipeline, separate from the general-purpose water supply. Efficient taps are installed to prevent leaks, and the distribution system is regularly monitored by civil work authorities to address any issues promptly.

A designated area near the college's main entrance is left in its natural state to serve as a habitat for biodiversity, including various species of grasses, herbs, shrubs, and trees. During the rainy season, this low-lying area acts as a temporary natural water body, facilitating rainwater percolation and groundwater recharge. The natural forest cover and the root systems in this area play a crucial role in filtering percolating water, serving as a natural catchment system.

To support groundwater recharge, the college has constructed tanks and bunds that utilize natural mechanisms for filtration and water retention. These efforts underscore the institution's commitment to sustainability and ecological preservation.