

जीसस एंड मेरी कॉलेज

दिल्ली विश्वविद्यालय

चाणक्यपुरी, नई दिल्ली-110021

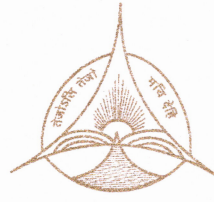
रा.मू.प्र.प. द्वारा 'ए+' ग्रेड मान्यता प्राप्त

**Jesus and Mary College**

University of Delhi

Chanakypuri, New Delhi - 110021

Accredited by NAAC with "A+" Grade



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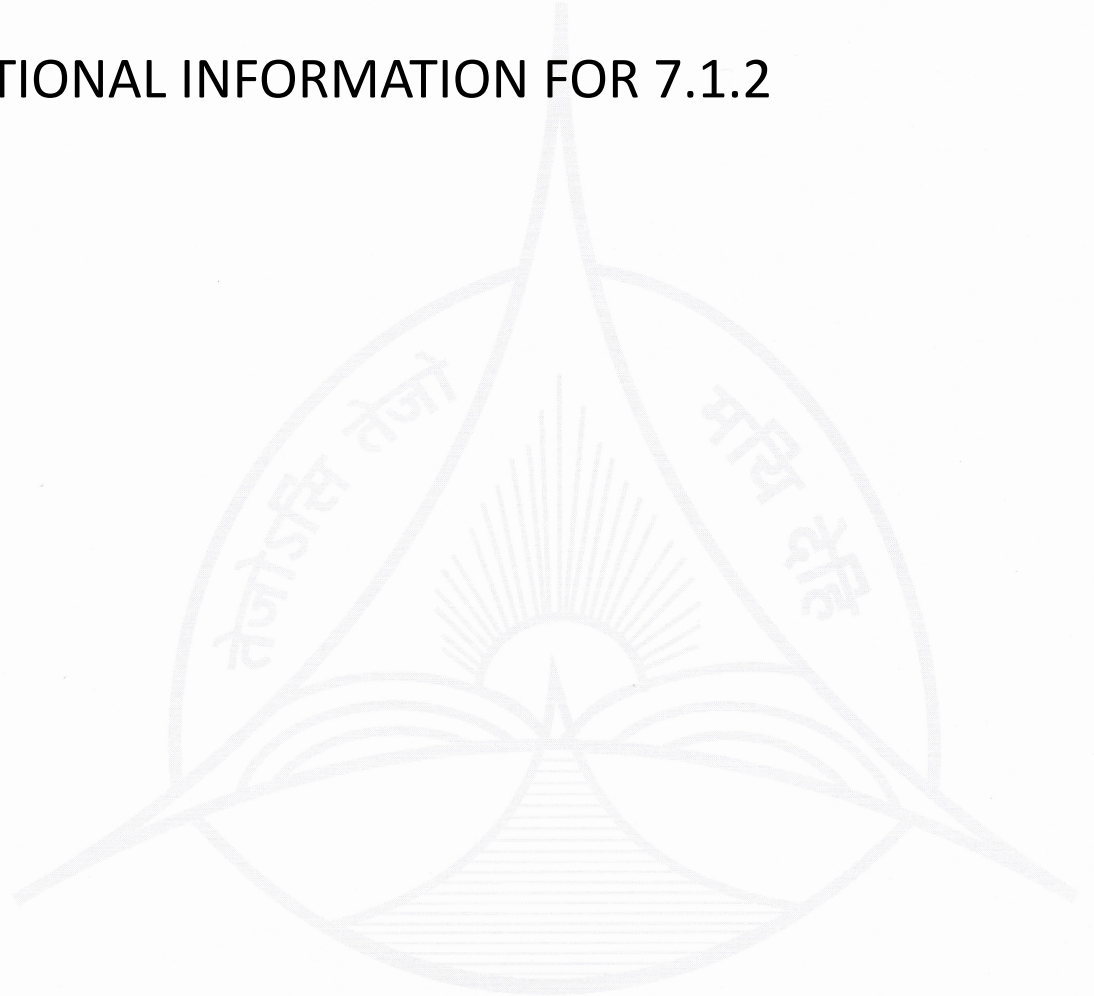
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**JESUS AND MARY COLLEGE**

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**ADDITIONAL INFORMATION FOR 7.1.2**



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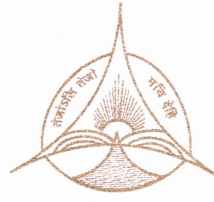
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Jesus and Mary College is dedicated to sustainable energy practices and reducing its carbon footprint by transitioning to renewable energy sources and implementing energy conservation measures. The college operates a 48 kW Solar Photovoltaic (SPV) system, integrated with the Low Tension (LT) power supply. This system generates electricity during active electrical supply and ceases operation during power outages. Furthermore, 20 solar-powered streetlights with batteries are installed across the campus, automatically lighting up at night through a timer system.

The college prioritizes energy efficiency in its infrastructure. Classrooms and administrative spaces are designed to optimize natural light, reducing dependency on artificial lighting. The architectural design also supports seasonal needs, allowing adequate heat and light during winters while employing thick curtains to block excessive sunlight during summers, enhancing indoor comfort without overreliance on air conditioning. Moreover, the use of air conditioners is minimal and limited to essential areas, ensuring energy conservation.

The campus features an open amphitheatre and a gymnasium that operate without any electricity consumption. Additionally, the college enforces energy-saving practices such as regular "switch-off" drills after class hours and setting devices in the library and computer labs to power-saving modes. LED lighting has been adopted extensively, replacing 95% of conventional bulbs and tube lights.

Jesus and Mary College also ensures that all split and window air conditioners installed on campus are at least energy-efficient 5-star rated models. Their filters are regularly cleaned and maintained to enhance performance and reduce energy waste. To promote accessibility, lifts are available but are reserved exclusively for Persons with Disabilities (PWD) students and staff members.

These practices collectively reflect the institution's commitment to energy conservation and environmentally conscious operations, fostering a sustainable and inclusive campus environment.