

**INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY
(CSIR)
BHUBANESWAR**

[Advertisement for licensing technology of TeraFIL™ water filtration systems](#)

Water security is a fundamental requirement for the sustainable development of the country. Government of India has launched 'Bharat Nirman' yojana, which includes provision of safe drinking water. It is difficult to ensure the availability of safe drinking water to all with the limited drinking water sources. Institute of Minerals and Materials Technology (formerly RRL), CSIR, Bhubaneswar has developed a low cost sustainable technology, called as TeraFIL™, for filtration and treatment of both surface and ground water. Terafil can significantly remove turbidity, iron, microbial organisms, colour and odour from raw water and make it suitable for drinking. TeraFIL™ is one of the cheapest and sustainable technologies for drinking water solution at present. TeraFIL™ filtration media is being prepared from commonly available cheap materials and can be produced even by micro & small industries, Self Help Groups (SHG) etc in any part of the country. Both domestic & community Terafil water filters, capacities ranging from 1 to 5,000 litre per hour, with water holding chambers made of different materials are available for large scale commercial exploitation. The production cost is within Rs.2/- per ton of drinking water including capital investment. Technology of TeraFIL™ filtration media is being transferred for production and marketing on payment of a token amount of one time royalty and execution of agreement as per CSIR guidelines. One time royalty: Rs.15, 000/- for government registered micro, cottage, small industries & SHGs; Rs.60, 000/- for others, and service tax extra. Interested entrepreneurs are requested to contact the followings for transfer of technology of TeraFIL™ filtration media and designs of filtration plants.

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