Lets Go

Green Way

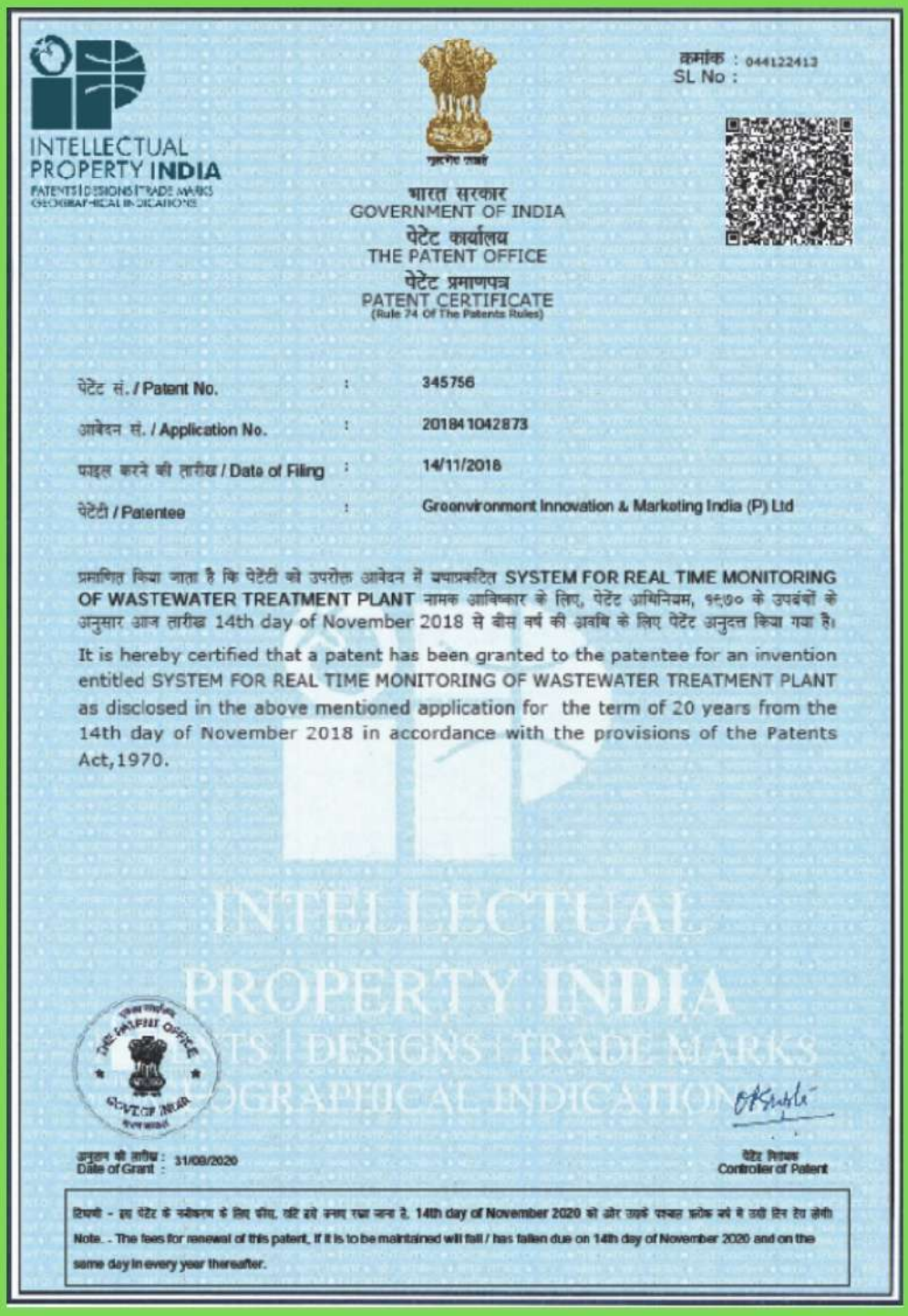
Monthly newsletter, November 2020

clean earth, safe life

www.greenvironmentindia.com
(An IIT Madras incubated /graduated Environmental Engg company)

Patent for RTM of Wastewater Treatment Plant

Greenvironmentindia's System for Real Time Monitoring of Wastewater Treatment Plant is now a patented product. Greenvironmentindia is granted the patent for the invention entitled SYSTEM FOR REAL TIME MONITORING OF WASTEWATER TREATMENT PLANT by government of India for the term of 20 years from the14th day of November 2018 in accordance with the provisions of the PatentsAct,1970.



INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

क्रमांक : 044122413
SL No :

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

पेटेंट सं. / Patent No.	:	345756
आवेदन सं. / Application No.	:	201841042873
फाइल करने की तारीख / Date of Filing	:	14/11/2018
पेटेंटी / Patentee	:	Greenvironment Innovation & Marketing India (P) Ltd

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में प्रकाशित SYSTEM FOR REAL TIME MONITORING OF WASTEWATER TREATMENT PLANT नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 14th day of November 2018 से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled SYSTEM FOR REAL TIME MONITORING OF WASTEWATER TREATMENT PLANT as disclosed in the above mentioned application for the term of 20 years from the 14th day of November 2018 in accordance with the provisions of the Patents Act,1970.

अनुदान की तारीख : 31/09/2020
Date of Grant :

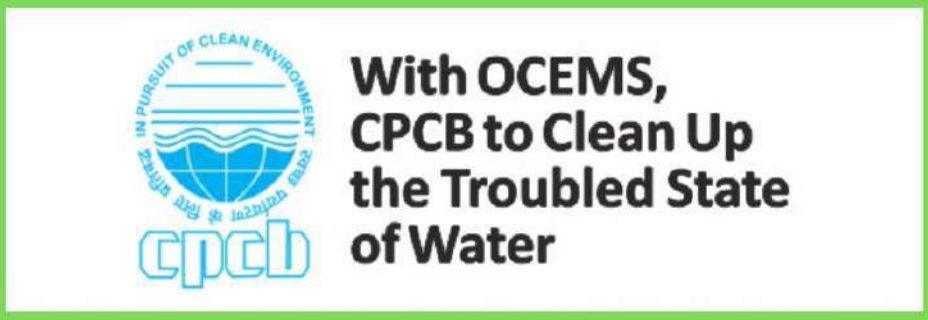
पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 14th day of November 2020 को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।
Note.- The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 14th day of November 2020 and on the same day in every year thereafter.

Greenvironmentindia Among the Ten Innovators in ICT Grand Challenge 2020

Greenvironmentindia got selected as one of the Ten innovators in India for the ICT Grand Challenge 2020 for the first stage development of "Smart Water supply measurement and monitoring system – Ideation to Prototype development".

Under the JAL JEEVAN MISSION project, Government of India Ministry of Electronics and Information Technology (Software Product promotion Cell) has selected Greenvironmentindia for ideation to prototype stage (Product stage) to develop a hardware i.e., sensors for real time monitoring (RTM) of water quality (pH, TDS, Chlorine, Nitrate & Turbidity), flow and pressure intended to be installed at the source node and tale node of the water distribution network and software for IoT data visualization/dashboard.



The effort of the Central Pollution Control Board (CPCB) to clean up the troubled state of water management in India, is entering into a new era. All Sewage Treatment Plants (STPs) and Effluent Treatment Plants (ETPs) are now bound to install Online Continuous Emission Monitoring System (OCEMS) and share the quality of the effluent on a real time basis. CPCB has already written a letter on 20thAugust 2020 to all Pollution Control Boards in states and Pollution Control Committees in Union Territories making time bound implementation of OCEMS, mandatory.

The OCEMS comes crucial in saving the water resources in India. Currently, more than 60% of untreated sewage and wastewater- almost 40 million litres - enter the rivers and other water bodies, according to the CPCB data. The installation of OCEMS at the outlet of the identified units for the measurement of water quality parameters would ensure that our natural water bodies (lakes, rivers, sea, ocean, aquifers, ground water etc.) are not contaminated. The OCEMS monitors the aspects such as pH, COD, BOD and other sector specific parameters related to water quality.

The Patented IoT powered RTM (Real Time Monitoring) system for wastewater monitoring by Greeenvironmentindia, offers monitoring of STPs and ETPs based on these parameters and ensure the compliances to CPCB norms.

The OCEMS has the advantage of systems to provide continuous measurement of data for long periods of time, at the monitoring site by replacing all the major steps in traditional analysis like sample collection, preservation, transportation, sample pre-treatment, calibration, reagent addition and sample analysis with automated procedures and on-line analysers. In fact the OCEMS creates an opportunity for optimizing water use at the points where sewage and effluent water is treated. It is not just the environment angle, which makes OCEMS reckoning for water treatment plants in the industrial, commercial as well as residential sector. It is about saving water costs as well. Once the quality of treated/recycled water, according to the required parameters is ensured, it can be reused for non-potable purposes within the point of treatment and save spending on fresh water.

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