

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211031877 A

(19) INDIA

(22) Date of filing of Application :03/06/2022

(43) Publication Date : 10/06/2022

(54) Title of the invention : A CANAL RESTRUCTURING SYSTEM FOR AGRICULTURAL LAND

| | |
|---|---|
| <p>(51) International classification :E02B0013020000, E02B0013000000, E02B0005080000, A01G0025090000, C02F0009000000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p> | <p>(71)Name of Applicant : 1)Mr. Pramod Kumar Yadav Address of Applicant :Assistant Professor, Department of Civil Engineering, SET, IFTM University Moradabad, UP 244102 Moradabad -----</p> <p>2)Mr. Syed Baqar Imam 3)Prof. Intezar Mahdi 4)Mr. Gaurav Hawadiya 5)Ms. Sheetal Sagar 6)Ms. Nisha Kashyap 7)Ms. Deepali Vasudev Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mr. Pramod Kumar Yadav Address of Applicant :Assistant Professor, Department of Civil Engineering, SET, IFTM University Moradabad, UP 244102 Moradabad -----</p> <p>2)Mr. Syed Baqar Imam Address of Applicant :Assistant Professor & Head, Department of Civil Engineering, SET, IFTM University Moradabad, UP 244102 Moradabad -----</p> <p>3)Prof. Intezar Mahdi Address of Applicant :Director, School of Engineering and Technology, IFTM University, Moradabad, UP 244102 Moradabad -----</p> <p>4)Mr. Gaurav Hawadiya Address of Applicant :Assistant Professor, Department of Civil Engineering, SET, IFTM University Moradabad, UP 244102 Moradabad -----</p> <p>5)Ms. Sheetal Sagar Address of Applicant :Assistant Professor, Department of Civil Engineering, SET, IFTM University Moradabad, UP 244102 Moradabad -----</p> <p>6)Ms. Nisha Kashyap Address of Applicant :Assistant Professor, Department of Civil Engineering, SET, IFTM University Moradabad, UP 244102 Moradabad -----</p> <p>7)Ms. Deepali Vasudev Address of Applicant :Assistant Professor, Department of Civil Engineering, SET, IFTM University Moradabad, UP 244102 Moradabad -----</p> |
|---|---|

(57) Abstract :

The present invention discloses a canal restructuring system for agricultural land. The present study is an attempt to find out the changes in agricultural land of rabi season because during rabi season canal is important source of irrigation in 23 Down Haidergarh canal command system. Remote sensing and GIS techniques were used to monitor the changes after the restructuring of canal system. The LISS-III data (Linear Imaging Self-Scanner) of Rabi season for the year 2011-12 and 2017-18 was used for mapping of agricultural land use changes in rabi season for 23 Down Haidergarh canal command system. This study is useful to find out the change in agricultural land after the restructuring of canal command system.

No. of Pages : 28 No. of Claims : 5