

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141060242 A

(19) INDIA

(22) Date of filing of Application :23/12/2021

(43) Publication Date : 31/12/2021

(54) Title of the invention : APPLICATION OF INNOVATIVE TECHNOLOGY IN THE FIELD OF AGRICULTURE

(51) International classification :H02S0020100000, A01G0025000000, F24D0011020000, H04W0084180000, A01G0009020000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Malla Reddy Engineering College (Autonomous)
Address of Applicant :Dulapally Road, Maisammaguda (Post) via. Kompally, Secunderabad, Hyderabad, Rangareddy District, Telangana – 500100, India. -----
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Dr B SUDHARSHAN REDDY
Address of Applicant :Professor, Malla Reddy Engineering College, MAIN CAMPUS Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100 -----
2)Dr P SARITHA
Address of Applicant :Associate Professor, Malla Reddy Engineering College, MAIN CAMPUS Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100 -----
3)A NAGA SAI BABA
Address of Applicant :Asst Professor, Malla Reddy Engineering College, MAIN CAMPUS Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100 -----
4)K VAMSI KRISHNA
Address of Applicant :Asst Professor, Malla Reddy Engineering College, MAIN CAMPUS Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100 -----
5)J S S K VASA
Address of Applicant :Asst Professor, Malla Reddy Engineering College, MAIN CAMPUS Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100 -----
6)A.KANKSHA
Address of Applicant :Malla Reddy Engineering College, MAIN CAMPUS Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100 -----
7)A HARI CHANDANA
Address of Applicant :Malla Reddy Engineering College, MAIN CAMPUS Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100 -----
8)B KEERTHANA
Address of Applicant :Malla Reddy Engineering College, MAIN CAMPUS Maisammaguda(H), Gundlapochampally Village, Medchal Mandal, Medchal-Malkajgiri District, Telangana State - 500100 -----

(57) Abstract :

7. ABSTRACT A system (1) for application of innovative technology in the field of agriculture is disclosed wherein the said system (1) comprises of a plurality of pumps (4) and motors (5) arrangement for providing wild flooding (6) and rain water harvesting (2). A plurality of solar panels (7) for providing energy for the operation of said system (1) and a vertical farming unit (8) is constructed (9). And furthermore, using a vermi compost (11) for creating sustainable agriculture unit (10). The said systems were connected to each other for collaboration of hi-tech farming. The said vertical farming unit (8) is constructed without side walls but with a parapet up to the certain height which provides more yields in less area. Pluralities of pits (3) were provided for enabling said rain water harvesting (2). The said vertical farming unit (8) is provided with water repellent admixtures for not to observe water content. The Figure associated with the Abstract is Fig 1.

No. of Pages : 12 No. of Claims : 10