

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 44/2021
ISSUE NO. 44/2021

शुक्रवार
FRIDAY

दिनांक: 29/10/2021
DATE: 29/10/2021

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : HYBRID ELECTRIC SYSTEM TO GENERATE ELECTRICAL ENERGY

(51) International classification	:H02S0010120000, F03D0009250000, F03D0009110000, F03D0009000000, H02J0007350000
(86) International Application No	:NA
Filing Date	:NA
(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)CMR College of Engineering & Technology
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

2)T.Pranay Krishna Kumar

3)T.Surya Teja

4)U.Prashanth

5)V.Rohit

6)V.Srinivas Reddy

7)Kayyam Sathish

8)R. Venkateswara Reddy

9)Dr. B. Premalatha

10)G. Anil

11)Dr. Manir Ahmed

Name of Applicant : NA
Address of Applicant : NA

(72)Name of Inventor :

1)T.Pranay Krishna Kumar
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

2)T.Surya Teja
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

3)U.Prashanth
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

4)V.Rohit
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

5)V.Srinivas Reddy
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

6)Kayyam Sathish
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

7)R. Venkateswara Reddy
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

8)Dr. B. Premalatha
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

9)G. Anil
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

10)Dr. Manir Ahmed
Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----

(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a hybrid electric system for generating electric energy, comprising a photovoltaic system comprising one or more solar panels configured to convert sunlight into electricity and stores in a battery system. A wind turbine/wind miller configured to generate wind energy and stores in the battery system. The wind turns propeller-like blades of the wind turbine around a rotor, which spins a generator, which creates electricity. The battery system configured to store electric energy generated through the photovoltaic system and the wind turbine. A processing device is as an interface for the wind turbine/wind miller and the photovoltaic system. The photovoltaic system and the wind turbine configured to provide a direct current of electricity from either or both wind and solar energy at day and night. Fig. 1.

No. of Pages : 16 No. of Claims : 8