Energy

Sultan Singh Jain*

Vardhman Niketan, 29 Civil Lines, Roorkee 247667, Uttarakhand, India

Abstract: Energy is very much essential and important in every work, activity and movement with space in the presence of time duration or moment, necessary to all the living beings and other objects & matters. The Earth gravitation has enormous Potential Energy and there is a need to develop the technology to make use of it . If we break the piece of any metal or material we need energy according to the strength. The motor consumes electric Potential energy and engine consumes fuel energy thereby producing the Potential Energy to fulfill our daily demands. Atomic energy can fulfill the energy crises, if making the atomic weapons is stopped pertaining to the destruction of civilization. Even the storage of the uranium and other elements source of Potential atomic energy, its injurious rays to health therefore a requisite room is built to stop the adverse affect of its rays. However alternate energy is also used but it is scanty to fulfill our needs. Potential energy is available in our foods and manure & water necessary to our cultivation as well. In the Celestial system every planet rotates on its axis and revolves in its orbit making the day and night within a fixed period of time pertaining to weeks months years and century. Every event is occurring at fixed time thereby making the seasons. The Potential Energy is convertible from one form. From internet noted the keywprds.

Key words: Potential Energy, Alternate Energy, Kinetic Energy, Relativity & Velocity

Description and Work done

When a horse pulls a weight 550 lbs from a well one foot per second, the
Work done = one Horse Power = 1HP. Potential Energy

Potential Energy PE= mass* Velocity = m*v (1)

The gravitation pertaining to rivers flowing filling the dam to running the hydraulic plant producing the electricity as a source of Potential Energy.

The Sunrays when fall on the energy panel and wind power are the **Alternate Energy** sources. When one gram of water temperature is raise from $14,5^0$ to 15.5^0 C equal to one calorie heat energy. The Potential Energy is convertible from one form to other form and vice versa.

Kinetic Energy KE= ½ mass *velicity^2 = ½ m*v^2 (2) . When a stationary body at rest is moved initially, it needs extra energy to give the momentum to running state of the motor / engine fitted in some machines or vehicles, this extra energy can be seen in electric motors drawing heavy current and engines need more fuel initially till their running finally. Their velocity is controlled by accelerator to fast, slow or constant. To stop the machines or vehicles, the electric motor is switched off and the fuel of the engine is cut off, even then said machines and vehicle/s running to some distance due to the extra energy consumed initially.

If it is needed to stop their running soon, then brakes are applied to stop the said machines, vehicles. This is so called Kinetic Energy is not a source of energy nor the source of Alternate Energy (3)..It is also visualized that in the beginning, when the velocity digit= single1, the Kinetic Energy formula satisfies the condition of being less than the Potential Energy, but as soon as the velocity increases gradually up to single 2 digit, the Kinetic Energy KE increasing and becomes = Potential Energy which is not possible. When the velocity is going on increasing beyond 2 single digit, then in this case the Kinetic Energy becomes more than the Potential Energy, which is impossible and wrong. The Kinetic Energy can not be converted to any form and nor to produce the Alternate Potential Energy.

1- Example if the velocity = 3digit, then Kinetic Energy = ½ mass * 3^2 = ½ * mass * 9 =   mass* 4.5 unit. The Potential Energy = mass * 3 = mass * 3

That is the Kinetic Energy = 1.5 times more than the Potential Energy The more the velocity, the more the Kinetic Energy than the Potential Energy, a blunder mistake. If the velocity is going on increasing, the Kinetic Energy is also going on increasing than the Potential Energy.

2- Albert Einstein Atomic Energy E= mass * velocity of light^2 = twice the Kinetic Energy is the Potential Energy on the pattern of Kinetic Energy discussed above which is against the fundamental law of Potential Energy and hence not acceptable,

3- Velocity of light doesn't come in the Relativity Theory of Albert Einstein itself even then Einstein used it ignoring his own Relativity Theory mC^2

4- No mass / object can attain the velocity equal to the velocity of light and it is daring to put the light velocity^2 without caring the fact figures a mistake.

Conclusion:

No object can attain the velocity of light denoted by C and put C^2 (velocity of light)^2 is totally impossible to an ambiguity and not accepted due to the said mistake. The Atomic Potential Energy E= mC^2 indicated the behavior like the Kinetic Energy. The theoretical value of Atomic Potential Energy should coincide to the practical result. The energy of any type is convertible to any other form of energy but the so called Kinetic Energy is not convertible in any form of energy and even it is not a source of the alternate energy. When a passenger running in a train @ velocity of light 3 lakh km per second and a person standing on the platform, nothing to visible to the passenger and person.
.   .

Acknowledgement