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ELECTRIC THREE WHEELER MILEAGE BOOSTER

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NAVITAS SOLAR EV MILEAGE ENHANCER

With the World focussing on Green Energy and Clean Transport, there has been a revolution in the EV technology. As an outcome of this revolution an Electric Three-Wheeler was developed for safe and convenient transport and was named TOTO.

This Electric Three-Wheeler (TOTO) is a major step to make the Local transport sector better with eco-friendly, pollution-free and noiseless vehicles. It is becoming more popular as an alternative to auto rickshaws and pulled rickshaws because of their low fuel cost, and less human effort compared to pulled rickshaws. They are being widely accepted as an alternative to petrol, diesel, CNG auto rickshaws.

The Three Wheeler has an Electric Motor which works as a Driving Engine. The Power of the motor ranges from 650-1400 Watts operated by 48V, Battery. It runs average 80 Km in single charge. Charging is done through Mains Power during the night.

Solar System to be Retrofitted on the roof of the Electric Three-Wheeler which would provide the following benefits:

- 1) Enhance Running Mileage of the TOTO by 20% to 25% (under STC).
- 2) Enhance the life of the Traction Battery.
- 3) Reduces operating cost.
- 4) Reduces the Fuel Cost.
- 5) Trickle Charges the Battery when not in use.

This roof area to be used to install a special developed Solar PV Module which can generate power from direct sun light. During the day this Solar System will charge the Traction battery which is installed in the TOTO. Your Mileage Enhancer Kit model NGEV-1, consists of the following:

SL No.	Material Description	Qty	Unit
1	Ultra-High Efficient Solar PV Module	1	Nos
2	Single Core, 4sq mm Copper, Solar Cable harness	1	Set
3	Aluminium Clamp 'L' shape	4	Nos
4	SS Nut Bolt, with spring washer & normal washer	8	Nos
5	Rubber Gasket	1	Mtr
6	Cable Tie	10	Nos
7	Adhesive	1	Nos

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