

May, 2002



TVS Victor GL, 100 cc Motorcycle is the first indigenously designed two wheeler in its class, which provides the rider with two modes of operation, the power mode and the economy mode by switching control provided in the throttle grip. This is an innovative technology designed, developed and patented by M/s TVS Motor Company Ltd., Hosur, Tamilnadu, in its in-house R & D unit.

Victor GL has an innovative e improved performance suspension system which provides driving comfort in solo drive as well as on full load irrespective of the road condition - an express highway or a village road. High performance over such a dynamic range of operating conditions has been achieved by developing a non-linear, triple rated progressive spring for the rear shock absorber. Another feature of the motorcycle is perfect synchronization of front fork, rear shock absorber and the seat foam. These innovative features have added value to the product which is reflected in increasing domestic and export sales of the motorcycle, besides signalling successful commercialisation of the indigenous technology.

Electronic Digital Automatic Tyre Inflator has been designed and successfully developed by M/s Instrument Research Associates Limited, Bangalore, with the set objective "Fill Accurately first time without wastage of compressed air". The Company has filed a patent application in India in 1998.

The product is a reliable, free from linguistic problem, resource efficient, sense automatically the size and type of tyre to adjust the filling rate. Correct tyre pressure leads to better fuel efficiency, lesser wear and tear of the tyre, tube and the vehicle and lesser environmental pollution. In addition, this system enables saving in energy required to produce compressed air and the other resources including manual effort. The technology commercialisation was taken up in June 1997 and more than 3000 such equipment have been installed in the country.

Awards will be given annually on the **Technology Day i.e. 11th May**

For further details please contact: Secretary, Technology Development Board