



PPP PSL

Standards sustaining innovation and creating market leadership

PPP PSL is part of the Desbro Group of Companies, a conglomerate active in manufacturing and trading activities in a variety of sectors in Mauritius, Reunion, Madagascar, South Africa, Kenya, Uganda, Tanzania, the Seychelles and the United Arab Emirates.

PPP PSL manufactures plastic pipes and fittings made of PVC-U in sizes ranging from 20 mm to 250 mm. PPP PSL also manufactures polypropylene (PP) single-wall corrugated pipes in small sizes for electrical conduit applications, and has a subsidiary company involved in the manufacture of polyethylene (PE) pipes.

Company name: Plastic Pipes and Products Piping Systems (PPP PSL) Ltd.

Country: Mauritius

Industry: Pipes and piping systems

No. of employees: 140

Revenues/profits:

MUR 241.3 million/MUR 24.1 million
(USD 8 million/USD 800 000)
(in 2011)*

Main products/services:

Plastic pipes and fittings for water supply, sewerage, drainage and conduits for electric wires. Double-wall pipes for telecommunication and sewerage applications.

Main use of standards:

- Procurement, including the testing of raw materials
- Production and process monitoring
- Final inspection



Most important standards used:

Various standards with specifications for products and testing methods, such as:

- ISO 1452, *Plastics piping systems for water supply and drainage*
- ISO 3633, *Plastics piping systems for soil and discharge*
- ISO 4435 and EN 13476, *Plastics piping systems for underground drainage and sewerage*
- ISO 9001, *Quality management systems*
- Other standards on product and testing requirements

Economic benefits generated by standards: MUR 5.4 million (USD 177 700) without structured wall pipes and MUR 11.1 million (USD 364 300) including structured wall pipes. The first figure amounts to 4.5 % of revenues, the latter to 9.2%.

Key qualitative benefits: Standards allowed PPP PSL to be continuously innovative and a leader in its domestic market.

What were the major benefits for PPP PSL of using standards?

Using standards allowed PPP PSL to:

- Reduce costs by reducing waste and the number of rejected products and reworks
- Use energy efficiently and apply efficient procurement practices
- Operate a highly reliable production chain

How did standards lead to these benefits?

PPP PSL uses standards systematically in order to reach a stable production process and to save materials by reducing waste as well as other resource, such as energy. These savings contribute to rises in gross profit.

As the first company in its field in Mauritius, PPP PSL applied a European standard for structured wall pipes which allowed it to manufacture pipes with a double-wall structure that saves on materials while maintaining the same level of performance and reliability as traditional pipes. Using standards has enabled PPP PSL to successfully undergo testing and gain quality marks for its products, which in turn contribute to its strong market position. This has become increasingly important in Mauritius where the market is becoming highly competitive, particularly due to low-cost imports from East Asia. PPP PSL is an active participant in standards committees in Mauritius. This enables it to influence the development and adoption of new standards while keeping abreast of developments in standardization on the international scene.

* MUR 1 = USD 0.03273 (2011-12-31)