

## Wins the First ICERP - JEC Innovation Award

( As part of International Conference & Exhibition on Reinforced Plastics 2008 )



Nachiket Thakur,  
Head Product Design & Development, MCL  
explaining the product features  
during the award ceremony



Nachiket Thakur received the award on  
MCL's behalf from Mrs Frédérique Mutel,  
JEC Group (President & C.E.O.) And  
Mr Frederic Reux, Editor-in-chief,  
JEC Composite magazine

### Front Fender of a three wheeler

### First time in India, SMC used for exterior Auto rickshaw component

Single piece glass reinforced composite (SMC compression) molding

#### Value created by Innovative use of Composites

Product geometry not possible in any other manufacturing process in single piece

Component having a deep draw. Weldline is avoided

Moldability of -plastics and strength of sheet metal, molded as one piece

Excellent example of design flexibility

It is strong enough for the vehicle to be lifted by holding it

Paintable Class A, offers the same surface finish of the adjoining sheet metal part.

Stiffening ribs and edge design integrated to enable safe lifting of the entire vehicle by hand in case of front wheel repair

Compared to thermoplastic, is stronger, will not de-colour, paint friendly and long lasting

Molded inserts for mounting

Dent proof, non-rusting

Considering all its features it is definitely value for money

The award winning product



#### Award Details

FRP Institute, India and the JEC Group, France jointly has started this award to:

**Discover, promote, and reward** the most innovative composite solutions

**Encourage and enhance the visibility** of Indian composites companies and their partners involved in innovative composites developments

**Contribute** to composite industry advancement.

JEC is a 50 year old composite promotion organization based in Paris, France  
FRP Institute is a Chennai based organization working in the field of composites

Product Assembled on Vehicle

