

TÜV Rheinland Immissionsschutz und Energiesysteme GmbH
D-51101 Köln

Emmvee Toughened Glass and Photovoltaics Pvt Ltd.
"Solar Tower"
#55, 6th Main, 11th Cross, Lakshmaiah Block
Ganganagar, Bangalore – 560 024
India

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14 January 2010

**Declaration on Hail Impact Test
Project no. 21211427**

Licence Holder: Emmvee Toughened Glass and Photovoltaics Pvt Ltd.
"Solar Tower"
#55, 6th Main, 11th Cross, Lakshmaiah Block
Ganganagar, Bangalore – 560 024
India

Manufacturer: Emmvee Toughened Glass and Photovoltaics Pvt Ltd.
13/1, Bellary Road (NH7)
Sonnappanahalli, Bettahalasur Post,
Bangalore – 562 157
India

PV modules: ES-200P/M60
(Rating from 200 – 240 W in increments of 5 W)

Standard: IEC 61215:2005 "Crystalline Silicon Terrestrial Photovoltaic
(PV) Modules-Design qualification and type approval"

Herewith it is declared, that the above mentioned PV-modules have passed the hail impact test and the relevant control measurements according to the standard IEC 61215:2005

Test parameters: The hail impact test was performed with 10 shots at different points of the PV-module surface with special prepared ice balls. These ice balls had an average diameter of 24.3 mm and 7.5 g. The ice balls have been shot with a velocity of 8.4 m/s.

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Renewable Energies

Cologne, 14 January 2010

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Amtsgericht Köln HRB 32190