

DOCUMENTATION SHEET

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Studies on the effects of flexibility in PSLV using
aeroelastic models(A project proposal to VSSC, Trivandrum

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13. Abstract

This document is a project proposal for undertaking studies on the interaction between aerodynamic loads and vehicle flexibility in PSLV using aeroelastic model testing. A 1/80th scale instrumented aeroelastic model of PSLV would be designed and tested in the 1.2 m trisomic wind tunnel to determine its divergence characteristics and shift of CP due to flexibility effects.