

**ON DEMAND PROJECTIONS AND TRANSPORTATION  
OF PETROLEUM PRODUCTS IN INDIA OVER  
A PLANNING HORIZON**

**(A Quantitative Study of Demand Estimation, Cost  
Effective Transportation Linked with Planning  
in Refinery Development)**

*by*  
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*Thesis submitted  
in fulfilment of the requirements for  
the degree of*  
**DOCTOR OF PHILOSOPHY**



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## CERTIFICATE

Certified that Mr. Anand Makker, was permitted to work for his Ph.D. Degree in Economics at the Indian Institute of Technology, Delhi, on the problem entitled "On Demand Projections and Transportation of Petroleum Products in India over a Planning Horizon (A Quantitative Study of Demand Estimates, Cost Effective Transportation Linked with Planning in Refinery Development). He has faithfully carried out his study under my guidance and supervision and the accompanying thesis is his genuine and original work.

Mr. Makker has completed necessary course work and put in the required attendance in this Department.

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A handwritten signature in black ink, appearing to read 'Anand Makker', with a horizontal line underneath.

(ANAND MAKKER)

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