

## RICE TRANSPORTATION STRATEGY FOR SRI LANKA

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This paper sets up a strategy for rice transportation in Sri Lanka, taking that cost of transport of a unit quantity of the commodity to a consuming district from one supplying, to be proportional to the distances between the administrative capitals of the districts.

On the basis that rice production targets for the year 77/78, would have been sufficient to meet the needs of the whole island, so that each district requires an amount proportional to its population. 10 supply and 12 consumer districts were identified, together with the respective amounts.

The mathematical problem of transshipment was solved, first by obtaining a feasible solution and then iterating.

The results suggest a scheme that could be made the basis for detailed study of the problem, taking into account different modes of transport.

### References :

1. Report of the Dept. of Agriculture, 78.
2. Froberg, C., An Introduction to Numerical Analysis, 64, Addison-Wesley.
3. Dantzig, G. B., Linear Programme and its extensions.