demand of this distribution center another supply source Kalinagar will supply 162 cartons which is also the optimal quantity. Total storage capacity was 2000 carton which will be supplied to fulfill the demand. Total demand is 1673 which was found out according to the cyclone intensity. After solving the model total supply will be equal to total demand which is also 1673. With the optimal solution, optimized transportation cost and time is also calculated which is 2570 TK. and 893 min respectively. For this same problem Analytica® optimizer simulation software was used to solve this. Result of the simulation software is a graphical display which presents similar optimal solution as excel solver. Since the output from both Excel Solver and simulation is same, the solution is considered optimal and effective to emergency response to Cyclone management.

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