

## SAP Report Performance Tuning For Sanathan Textiles Pvt. Ltd.



### The Summary

Client has created reports for their business and approached AG Technologies for performance tuning.

### The Client

**Sanathan Textiles Pvt. Ltd.** (ISO 9001) is one of India's leading yarn manufacturers engaged in the production and export of Polyester, Texturized and Cotton Yarn (POY, FDY, DTY, ATY, Twisted Yarn and polyester chips). They provide our customers with the best quality and variety of innovative yarns for generations to come.

Conceived in 2001, Sanathan has been built on a foundation of strong ethical values and unnering dedication. Their sole focus is to weave symbiotic and mutually beneficial relationships, one at a time, with all their customers, agents and employees. A team of hard-working and dedicated professionals is constantly at work to make this possible.

### The Business Requirement

Have to do the performance tuning for the 15 transaction codes.

### Technology:

<b>SAP Solution</b>	:	SAP ECC 6.0
<b>Modules</b>	:	ABAP
<b>Database</b>	:	DB6

### Project Summary

**Industry:** Sanathan Textiles

### Client Profile:

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### Solution:

AG Technologies will do the performance tuning for the reports.

### Solution Benefit:

- Report execution time will get reduce.
- Database overloads due to SQL queries will get reduce.
- Extensive usage of ABAP memory in application server during execution of program will get reduce.
- Report will get better looks like standard coding style.

## The Solution

- 1. Take backup for all reports**
- 2. Unicode check and Naming convention in programs**
- 3. ABAP Dictionary Modification**
  - ✓ Key field and secondary index check for custom table.
  - ✓ Size category check for custom tables.
- 4. SQL Query tuning**
  - ✓ Changes for key field selection.
  - ✓ Changes for secondary index.
  - ✓ Changes for primary key in selection.
  - ✓ Changes for SQL statement in Loop.
  - ✓ Changes for fields for same order in SQL statement compare to DB table.
  - ✓ Changes for SELECT..ENDSELECT.
- 5. ABAP process tuning**
  - ✓ Changes for read statement as binary and hash.
  - ✓ Parallel cursor concept for nested loop.
  - ✓ Changes in loop conditions.
  - ✓ Changes in delete statement.
  - ✓ Changes in modify statement.
- 6. Centralized Parameter Control Table**
  - ✓ Based on Sanathan decision we created table for hard coded values.

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