



SALDANHA STEEL (PTY) LTD

For attention: Mr. Debasish Mukherjee

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RE: Sigraph V5.4 migration project to V8.1

We as SALDANHA STEELS WORKS an organization of LNM holding decided in the middle of 2004 to improve the Quality of our Documentation Management System and Process in the area of electrical and automation. On enquiring we got the information that TCS Süßen GmbH Germany offers the Product as well as Service know-how for the same.

The suggestions made by TCS, which should lead to the drastic improvement in Quality of our Documentation Management System was tested, accepted and implemented.

- a. At first we started migrating the complete existing Electrical as well as automation documents in a CAE System called SIGRAPH CAE.
- b. Installing the SIGRAPH CAE licenses in our Rolling Mills, Thin Slab Caster, Water Treatment Plant and Meltshop engineering areas
- c. Providing the initial training to the engineers concerned
- d. SAP-SIGRAPH integration. (To be implemented in 2006)

The first three phases are over now or under process and we are already reaping the benefits of the same with respect to:

- a. Reduction in Maintenance Time and faultfinding time.
- b. Updating the documents
- c. Achieving Error-Free as built Drawings
- d. Standardization of Documents across the plant.
- f. Documents in .pdf format can be navigated and transferred to any location and to any organization.
- g. SAP-SIGRAPH integration will lead to faster detection of available

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- components across the Holding and thereby leading to reduction in availability time.
- i. Up-to-date Documents can be made available to the concerned authorities during the modernization/expansion.
 - j. Re-engineering time.

It is not only the software tool but also the KNOW-HOW, which has been implemented by TCS GmbH in our works.

Through this type of implementation we will be able to continuously improve the total Quality in Operation and Maintenance.

We recommend TCS Süßen GmbH Germany, without any hesitation for their Expertise, Services, and Product, to any Steel plant across the globe, who plan to improve the Documentation Management System, reduction in maintenance time and smooth operation of the plant.

Kind regards

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