



## POST LEARNING EVENT REPORTING TEMPLATE

As part of eThekweni Municipality's commitment to strengthen our organisation's culture of learning and sharing, this form presents information on a recent out of town trip, visit, learning exchange undertaken by an official from the municipality. This information will be posted on the MILE website ([www.mile.org.za](http://www.mile.org.za)) in the interest of advancing our **KNOWLEDGE MANAGEMENT** agenda. Thank you for taking the time to complete the form.

### 1. What was the NAME OF THE EVENT?

Design review for Contract E.9099 for power transformers

### 2. The DATE attended:

2/6/2014 to 13/6/2014

### 3. VENUE

(further details on venue)

China, Germany. Visited HV bushing factory in Troisdorf on 2014/06/03. Visited Siemens Transformer factory in Nuremburg on 2014/06/04. Visited MR tap changer factory in Regensburg on 2014/06/05.

Visited Siemens Transformer factory in Wuhan, China from 2014/06/09 - 2014/06/12.

#### 4. OFFICIALS WHO ATTENDED?

Stephan Wiid - Senior HV Projects Engineer

#### 5. What area of expertise did the event cover?

- |                                    |                          |                                       |                                     |                            |                                     |
|------------------------------------|--------------------------|---------------------------------------|-------------------------------------|----------------------------|-------------------------------------|
| Culture, heritage and sport        | <input type="checkbox"/> | Engineering and the built environment | <input checked="" type="checkbox"/> | IT and Finance             | <input checked="" type="checkbox"/> |
| Economic development and Tourism   | <input type="checkbox"/> | Health and Safety                     | <input type="checkbox"/>            | City strategy and planning | <input type="checkbox"/>            |
| Energy and the natural environment |                          | Good governance                       | <input type="checkbox"/>            |                            |                                     |

Other:

#### 6. What was the PURPOSE OF THE EVENT, THE BROAD OBJECTIVES, AND THEMES? Why was it of importance?

The visit in Germany covered the sub suppliers for contract awarded to Siemens on power transformers. The bushings and tap changers are the most important ancillary equipment on the power transformer. These factories were visited and equipment that will be procured were inspected and discussed.

The visit in China was for a design review on the same contract. This entailed the specific electrical and mechanical design of the power transformers and to confirm all tolerances as guaranteed were met. The ITP, QCP, schematic drawings, delivery time lines, type tests and all other relevant information was discussed and agreed upon as detailed in Cigre "Guidelines for conducting design review for power transformers".

**7. What in your opinion are some of the KEY LEARNINGS that you came away with? In other words, what stood out for you? Were there any "aha!" learning moments that you can share with colleagues? What were some of the KEY OBSERVATIONS that were important or different?**

A consultant was appointed to lead the design review, as this is his area of expertise. Was extremely informative and refreshing to see his level of expertise and details that were discussed for the desired product that will be procured. Extremely important as these are high value assets in the municipality that needs to be adequately designed as offered during the tender stage. Design review ensures the designs are met to achieve the guarantees.

**8. As a result of this event, what is the ONE CHANGE that you may consider making backing back at work, if any? What follow ups are envisaged?**

No specific change back at work, as design review requires changes to be made to the design to achieve the best available product. Many changes were made to suite eThekweni's requirements. One implementation will be to standardise on specific flange sizes for bushings that will become critical with the strategic stock being purchased.

**9. Please indicate details of useful CONTACTS AND NETWORKS that were established during the event?**

HSP Bushings - Viktoria Rothenhagen and various other members of the team

Siemens Nuremberg - Mate Sicenica

MR - Kobus de Villiers

Doble - Simon Ryder (Consultant)

**10. One of the key functions of our MILE website is to serve as a repository of LEARNING DOCUMENTATION, VIDEOS, PHOTOGRAPHS AND OTHER RESOURCE MATERIAL. Please can send such material to [mile@durban.gov.za](mailto:mile@durban.gov.za) so that it can be uploaded onto our website.**

**THANK YOU FOR HELPING TO BUILD A LEARNING ORGANISATION**