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Workshop On
RELIABILITY CENTERED MAINTENANCE (RCM)

13,14 & 15 February 2019: Sigma Electric Manufacturing Pvt Ltd, Pune

We are pleased to inform that CII Institute of Quality, TPM Club India is organizing 3 Day Workshop on RCM- Reliability Centered Maintenance (RCM) during **13, 14 & 15 February 2019 at Sigma Electric Manufacturing Pvt Ltd, Pune.**

Planned Maintenance (A salient Pillar of TPM), could be explained as a specialized activity performed by the Plant Maintenance team members, which principally focuses on the improvement of equipment reliability and maintainability by restoration and sustenance of the Optimal conditions, at the most economic cost. With the rapid improvement of Equipment technologies, varieties and the number of physical assets , higher expectations of the management for increased asset utilization combined with several internal and external challenges, Plant maintenance as a niche discipline has evolved with great expertise in the past twenty years.

In this operating scenario, the demands placed on the maintenance team has also increased manifold times for ensuring smooth functioning of the Equipment /Machineries. Newer techniques, tools and methodologies need to be integrated along with the daily maintenance practices.

To cater to this requirement , a 3 day workshop on the RCM principles and its application has been planned, exclusively for the Maintenance crew.

PRINCIPAL FOCUS AREAS:

The objectives of the workshop are to enable the participants to :

1. Understand different types of Failure Patterns and Maintenance types.
2. Understand various aspects of Planned Maintenance activities (A part of TPM implementation) along with practical insights on the implementation methods.
3. Understand the framework of RCM (Reliability Centered Maintenance) principles.
4. Integration of RCM, with the Planned Maintenance activities.
5. Gain practical insights on the application of RCM as a tool for implementation.
6. Method of conducting a FMECA for an Equipment or a critical machine.



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RCM as a tool could be applied for any critical equipment with respect to Safety, Environment or from the Operational point of view.

The RCM tool, as a failure management strategy, could also be perfectly synchronized with the currently practiced Planned Maintenance activities of a JIPM ~ TPM practicing company. As a company advances in implementation of TPM, applying RCM principles become essential for understanding and application of the proactive maintenance techniques.

Following main topics would be dealt with in detail:

1. Maintenance categories
2. Machine Structure and Operating Contexts
3. RCM Principles
4. Functions based approach
5. Functions – Classifications and types
6. Functional failures, Failure Modes
7. Failure Effects and Consequences
8. Decision Diagram for Criticality Analysis
9. FMECA Application
10. RPN calculations and reduction
11. CBM principles and examples ----- etc.

COURSE STRUCTURE:

- a) In addition to the faculty inputs and class room exercises, Participants would have to identify Equipment from the host company and develop the working methodologies of RCM.
- b) The pattern of the course is tailor made to suit the requirements of both the Engineering, Service and Process Industries.
- c) Since this is an intensive maintenance related course, the daily closing timings are flexible and participants would be expected to spend some extended hours on all the 3 days. Basic knowledge of Machine Maintenance (Any discipline) would be an advantage.

WHO SHOULD ATTEND

- Plant maintenance personnel who are responsible for Equipment / Machinery maintenance.
- Maintenance personnel taking care of proactive maintenance activities (TBM, IR, CM etc) in a manufacturing facility.
- TPM Coordinators who are responsible for TPM implementation at their Plants.
- Manufacturing Heads, Engineering Heads, Engineers, Senior Managers, and Managers from Manufacturing, Process, Engineering and Maintenance departments from the industries.



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The Workshop will be theory and practical session inside the factory.

Faculty: Mr. S Venkateswaran, Principal Counsellor

TPM Club India, CII Institute of Quality, Bangalore

- Is trained in hands-on TPM implementation since 1999. Has been a part of TPM implementation in TVS (Brakes India Ltd.) till the Special Award Category as per JIPM norms.
- Has been trained in the Toyota Production System, with specific focus on Shop Floor manufacturing practices and methodologies.
- Has hands-on working exposure in the application of Lean Manufacturing Tools.
- Is a certified (AVS) Associate Value Specialist.
- Has the experience of working with Japanese and American consultants for extended periods.

Venue: Sigma Electric Manufacturing Pvt Ltd Pune

Note: Individual certificate of participation will be presented to all the participants by CII TPM Club India.

You are requested to kindly confirm your participation and send the nomination(s) from your company through the attached 'Reply Form'.

As a policy, competitors to the host company would not be entertained for this workshop.

Yours sincerely,
Abdul Wadood
Principal Counsellor & Head
CII TPM Club India.

For Registration Please Contact:

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REGISTRATION FORM

Please Email to:

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Tel: 080 -23289391; M: 9738227462
E-mail: mani.kumar@cii.in

Workshop On RELIABILITY CENTERED MAINTENANCE (RCM)

13,14 & 15 Feb 2019: Sigma Electric Manufacturing Pvt Ltd, Pune

We nominate the following persons to attend the seminar.

Sl.No	Name	Designation	E-mail
01			
02			
03			
04			
05			

Delegate Fee:

Category	Fee per participant	GST @ 18%	Total fee payable
Large & Medium Member	19000/-	3420/-	22420/-
SSI Member	17000/-	3060/-	20060/-
Non-Member	21000/-	3780/-	24780/-

- 3 or more delegates from a single company would be entitled for 10% discount on the total fee payable.

Enclosed please find a Cheque / Demand Draft No..... On (Bank) dated. for Rs..... drawn in favor of "CII Institute of Quality", payable at Bangalore towards the delegate(s) fee and courier to the above address.

Nominator Name	
Designation	
Company	
Address	
Tel No	
Fax No	
E-Mail	