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SIX SIGMA QUALITY INTERNATIONAL

Letter No.: SSQI/CO/ADM/L/12-13/151

To,

Delegates

Sub: Six Sigma Black belt Training Program

Six Sigma Quality International, Mumbai

PRESENTS

SIX SIGMA TRAINING PROGRAM (For Corporate Sector) (NON-RESIDENTIAL)

Dear Sir/Madam,

Indian Institute of Quality (IIQ), Six Sigma Quality International, Mumbai is pleased to conduct Six Sigma Black belt program .

As is widely known, SIX SIGMA Quality International is conducting various technical courses inviting interested personnel/technocrats for enhancing & fine-tuning of the skills. For more information visit our website at <http://www.sixsigma-tqm.com/BlackBelt.asp>

The unique features of the Six Sigma programs are:

1. Process Improvement tools will be taught in a very simple and effective manner for real application and there will be no fancy jargons and statistics.
2. All the tools are taught with respect to Shop floor (Gemba) application.
3. A compilation of the case studies will be given as part of the course material for easy understanding of the tools.
4. Group of participants is expected to complete "One" Process Improvement Projects after completion of course using the tools taught. Participants will be provided support through e-mail and phone in their Projects.

- There will be written test that will be conducted at the end of the course to ensure that the participants have fully understood all the tools.

SSQI will issue a SIX SIGMA Certificate to successful candidates.

Benefits :-

- The Certified six sigma will acquire the skills of Problem Solving and making Process improvements in a very scientific manner. They will be of great resource to the Organization in their Process/Design trouble-shooting and can help in making Process improvements very fast and effectively.
- Understanding Six Sigma Concept
- Measurement methodology change from % defects into PPM level
- Calculation of Six Sigma Level of the projects and Accuracy level.
- The team will be guided for effective application of the tools during the entire certification process.
- At six sigma level defect should reach at 3.4 defects per 10 lacs(PPM) product manufactured or service offered that means accuracy of any work performed should be 99.9996% accurate. There are some of the organization who work at six sigma level are like Motorola, GE, intel etc.

For Example : **Six Sigma Challenge**

99 % Good (At 3.8 sigma level)	99.99966 % Good (At 6 sigma level)
• 54000 lost articles of mail Per hour	• 35 articles lost per year
• Unsafe drinking water 2 Hrs/month	• Unsafe water one second in every 16 yrs
• 1350 incorrect surgical operations / week	• 1 surgical operations in 20 yrs
• 5 short/long landing each day	• 1 short/long landing every 10 yrs
• 54000 wrong prescriptions / yr	• 1 wrong prescription in 25 yr

Eligibility Criteria for Six Sigma Black belt program :

a) Application requirements

Should attend the 14 days Six Sigma training workshop which is spread over a period of 5 module and actively participate during the training sessions.

b) Academic requirements

1. There will be continuous assessment tests that will be conducted for every module. 30% of the marks will be taken for the final continuous evaluation from these tests.
2. There will be a final exam held in the last module. 70% of the marks will be taken for the final evaluation for this exam.
3. Both these put together, each participant should get a minimum of 70% to clear the exam.

Each participant who has successfully met the criteria for both the academic and the application requirements will be certified as "Certified Six Sigma Black Belt ".

c) Key Organizational requirements for successful Six Sigma Implementation

1. Top Management commitment and involvement is very key for the successful completion of all the Six Sigma projects
2. Top Management should conduct reviews on the progress of the project
3. The Six Sigma Executive should select his team based on the process knowledge domain required and should conduct review with his team every 3-4 days
4. The selected participants should be released from their "daily work routine" during the period for the successful implementation of the methodology.

Key skill sets required for the Six Sigma:-

1. Six Sigma aspirant has to be from a position of "Executive" and above
2. He should be preferably heading a Institutional key operation/Manufacturing line/function/cell/Dept/process.

The following are the key skills based on which the participant should be selected and sent for the Six Sigma training program

1. Ability to think through the possible causes of a problem
2. In-depth Knowledge on the Manufacturing/Service processes
3. Analytical skills for elimination of causes
4. Strong desire to learn on a continuous basis
5. Should be a good leader who can lead the project and take it to a logical conclusion
6. Good communication skills
7. Good inter-personal skills to interact with the Process owners and other functional heads
8. Should be able to work in a very disciplined manner in the application of the various tools

9. Should lead the team in the implementation of the various solutions that will be derived during the application of tools
10. Should be open-minded and should not conclude anything based on his judgment.

a) COURSE CONTENTS:

- Introduction of Six Sigma Methodology
- Various phases of Six sigma Implementation
- Changing market needs and customer expectation
- Statistical methods for measuring six sigma and interpretation
- Six Sigma level & defect in PPM
- Introduction of Quality tools for process improvement
- Application of Six Sigma tools for problem solving and process optimization- Introduction to Six Sigma Philosophy How to Select the BB Projects Introduction to DMAIC Phases
- Shainin Design of Experiment (DOE) Tools - Problem Solving (Each Organization should select One project during this module. This has to be completed using the DOE tools taught and there will be a presentation and feedback session in the next module)
- Shainin Design of Experiment (DOE) Tools- Process Characterization
- Introduction to Variation Analysis Conducting Variation Analysis Process Capability Instituting Control charts for Process monitoring
- Hands-on training on using Minitab software for Data analysis
- Process mapping, Process FMEA , Cause and Effect Matrix
- Process Optimization Tools
 - Scatter Plot
 - Measurement System Analysis Instrument Calibration Conducting Repeatability and Reproducibility (R&R) Studies(Each Participant should select 2 BB projects after this module. The projects have to be completed before the next module)
- Review of the BB projects Written Test Certification of Black Belts based on the Quality of the projects completed

b) WHO SHOULD ATTEND:

- 1) All employees whose work responsibility directly affects organization performance and decision making.
- 2) Those individuals willing to work as catalyst of change for organization transform.
- 3) Top & middle management delegates.
- 4) Executives responsible for effective implementation and execution and willing to do kaizen (change for betterment).

c) COURSE DETAILS:

Detail program of 14 days training course will be sent / given on the first day to the delegates on registration.

d) DURATION:

14 days Training program [Timings: 9.00 am to 5.30 pm]

- e) **FEES :**
For Green Belt
Standard Market Fees: 25000.00 per delegate
Special Discount 54% off
Payable Amount: **Rs. 12000.00** for limited period only
Plus service tax as per applicable rate

For Black Belt
Standard Market Fees : 50000.00 per delegate
Special 42% off
Payable Amount : **Rs. 21000.00** for limited period only
plus service tax as per applicable rate

Total For Green& Black Belt : **Rs 33000.00**

Cheque / DD in favour of **“Six Sigma Quality International, Mumbai”**

f) **NOMINATIONS:**

You may send in your nominations to the course co-ordinator, SSQI, on the Registration form at the following address along with the fees.

Javed Badshah
107/108, Mehta Chambers, Station Road
Vasai (W), Thane(Mumbai)-401202
Email : info@sixsigma-tqm.com
Tel: 0250-2341170 Fax : Ext 206
Mob : 9323717375

Fees once paid will not be refunded, however it could be adjusted against the next course for the same financial year.

g) **TERMS & CONDITIONS:**

- I. SIX SIGMA Quality International general terms and conditions will be applicable for qualification of personnel.
- II. Delegate Fees shall be send in advance through cheque / DD in favor of **“Six Sigma Quality International”**.
- III. Service tax as applicable will be charged extra.
- IV. Travel & Subsistence will be charged for faculties on actual.
- V. Once program registered and confirmed. Registration fees will not be refunded

Javed Badshah
General Manager

For Six Sigma Quality International



REGISTRATION FORM

TRAINING COURSE : Six Sigma Black Belt Program

COURSE NO / DATE : -----

COMPANY NAME : _____

ADDRESS : _____

TEL. NO./FAX NO. : _____

NAME & DESIGNATION OF NOMINATED PERSON :

Sr. no	Name	Designation	Qualification

PAYMENT MADE BY : Cheque No / Demand Draft No: _____ Date _____
 Drawn on Bank : _____
 Cheque / Demand Draft Should be drawn in favour of :
“Six Sigma Quality International” payable at Mumbai, Maharashtra, India.
Note : Fees once paid will not be refunded, however this will be carried forward for the next course during the same financial year.

Place : _____ (Signature)
 Date : _____ Name: _____

Six Sigma Quality International, 107/108 Mehta Chambers, Station Road, Vasai(W)
 Mumbai-400 202, India. Tel : 0250- 2341170 Fax : Extn. 206

**Other Offices : New Delhi, Ludhiana, Baroda, Jaipur, Udaipur, Ahmedabad, Nasik, Pune,
Indore, Nagpur, Daman, Kolhapur, Banglore, Belgaum, Hyderabad, Chennai, Kolkata.**