

QCFI, BHILAI CHAPTER (CCQC-2024)

15th Chapter Convention on Quality Concepts

at

**Shaheed Gundadhur College of
Agriculture & Research Center,
Kumhrawand Jagdalpur**



21st & 22nd September 2024

**Shri Shankaracharya
Technical Campus
Bhilai**



19th & 20th October 2024

Theme

“Investing in people, building a better future”

Organized by:
Bhilai Chapter
Quality Circle Forum of India

15th Chapter Convention on Quality Concepts

Invitation

Dear Quality Fraternity & Practitioners,

Quality Circle Forum of India has great pleasure in inviting all the individual life members and member organization for the 15th Chapter Convention on Quality Concepts (CCQC-2024) scheduled to be held physically, on **21st and 22nd September 2024** and on **19th and 20th October 2024** at Shaheed Gundadhoor college of Agriculture and Research Centre, Jagdalpur, CG and at Shri Shankaracharya Technical Campus, Bhilai, CG. respectively.

Quality Circle Forum of India (QCFI), Bhilai Chapter started in the year 2010, under the umbrella of QCFI – A National, Non-Profit, Registered Society, established in the year 1982, is engaged in the propagation of philosophy and implementation of Quality Concepts across the country along with its 34 Chapters, situated at all over India.

This year convention theme is ***"Investing in People, Building a Better Future"***

Today, Total Employee Involvement is the key to success, for sustaining the Quality Concepts with integrated approach to Total Quality for Performance Excellence in all the fields. QCFI is dedicated to contribute its knowledge and experience to develop skill in the nation for success through people participation and that is the pathway to overall success.

K K Singh
Chairman, Bhilai Chapter

G P Singh
Secretary, Bhilai Chapter

Organized by:
Bhilai Chapter
Quality Circle Forum of India

1. Case Study Presentation on Quality Concepts

This year Chapter convention will be held in Physical mode only. A Case study will be evaluated digitally. The official language for Case study will be in Hindi or English. There would be separate evaluation criteria for each concept. Case study will be accepted for the following category:

| | | | |
|--------------------|---------------------|-------------|------------|
| Quality Circle | Lean Quality Circle | Kaizen | WCM Circle |
| Six Sigma Concepts | Safety Circle | 5-S Concept | TPM Circle |

Quality Circle Forum of India has decided to upload detailed case study online in PDF format, for pre-evaluation latest by 10th September 2024 for participating at Jagdalpur and by 8th October 2024 for participating at Bhilai. The size of the case study in PDF should be below 20 MB. Organizations willing to participate in SAFETY CIRCLE are requested to refer the attached guidelines, released by QCFI.

Case Study should be uploaded directly to www.qcfibhilai.in or can be mailed to ccqcbh@gmail.com

2. Case Study Oral Presentation: (Physical)

The official language for presentation will be in Hindi or English. Team should have their own power point presentation either in Hindi or English and time limit will be 15 minutes. Presentation of allied concept and Safety Circle will be conducted in separate hall and there would be separate evaluation criteria for each concept. Oral presentation of the PPT needs to be uploaded on or before 19th September 2024 for participating in Jagdalpur and 15th October 2024 for Bhilai.

3. Knowledge Test (KT) (Physical)

This year, QCFI Bhilai Chapter has decided to conduct Knowledge Test for CCQC-2024 in physical mode only. Knowledge test is compulsory for all teams. The knowledge of the participants will be evaluated based on concepts chosen by the Quality Concepts team. For this, the questions will be asked on QC, 5S, allied concepts and Safety Circle, based on the category of your participation in the convention. Duration of the test will be of 30 minutes. For Safety Circle, Eight Questions will be asked from Problem Solving Tools & Techniques (PSTT) and Twelve questions from General safety. Questions will be of multiple-choice question (MCQ) type. Question banks can be downloaded from website concept wise, after your registration is completed. In Knowledge test for Quality Circle and Safety Circle, minimum three persons should attempt and average marks will be considered for evaluation. For other allied concepts, minimum two persons can attempt for Knowledge test and average of two will be considered.

4. Essay/Poem/Slogan Competition

To encourage the creativity among the members, various competitions are being organized like Essay, Slogan and Poem. An essay competition will be conducted on the theme of the convention CCQC-2024. The essay should be with-in 500 words. Interested QC members shall mail their entries in Hindi or in English (with your name and address) at ccqcbh@gmail.com; latest by 14th September, 2024 for participating at Jagdalpur and 11th October, 2024 for Bhilai. Winners will be given certificate, and a memento to those who attend the convention during inaugural function. Result will be declared by 17th September and 15th October 2024 for Jagdalpur and Bhilai respectively and winners will also be informed through email/ SMS.

Exclusive services offered by QCFI, Bhilai Chapter for CCQC-2024 are:

1. Conducting CCQC-2024 in highly professional manner so that teams recommended from Bhilai Chapter may able to get Par Excellence/Excellence Award during NCQC-2024.
2. Improvement is a continual journey and the Analysis of Chapter revealed that performance of many QC teams affects due to poor scoring in Knowledge Test (KT). Keeping this in mind, Bhilai Chapter has introduced it and as soon as you register for competition, you will be eligible to down load the question bank. All the question will be asked from the question bank only.
3. Judges Feedback on Case Study along with suggestion for further improvement is also an innovative feature.

Final Program at a Glance:

- a) This Year QCFI is going to organize Conventions in Physical mode only.
- b) Each Team should submit their case study online only. No Hard Copy will be entertained.
- c) Knowledge Test will be conducted in Physical Mode only.
- d) Oral Case Study Presentation will be conducted in Physical mode only.
- e) Case Study Feedback will be provided on-line only along with contact person's name for further clarifications.
- f) Award will be given as per criteria given below:
 - i. The Circles who score less than 60% will be awarded Bronze Medal
 - ii. The Circles who score between 60% and 70% will be awarded Silver Medal
 - iii. The Circles who score 70% and above marks will be awarded Gold Medal

Only Gold/Silver winning teams will be recommended for participating during NCQC-2024 to be held at Gwalior in December 2024.

Tentative Programme schedule (Jagdalpur)

| TENTATIVE PROGRAMME | DATE | Time (Tentative) |
|------------------------------|---------------------------|---------------------|
| Knowledge Test (KT) | 21 st Sep 2024 | 03:00 PM |
| Registration | 21 st Sep 2024 | 2:30 PM to 4:00 PM |
| Inaugural session | 21 st Sep 2024 | 4:30 PM to 6:30 PM |
| Registration | 22 nd Sep 2024 | 7:30 AM to 10:30 AM |
| Case study presentation & KT | 22 nd Sep 2024 | 9:00 AM to 3:00 PM |
| Valedictory Function | 22 nd Sep 2024 | 04:30 PM to 7:00 PM |

Tentative Programme schedule (Bhilai)

| TENTATIVE PROGRAMME | DATE | Time (Tentative) |
|---|---------------------------|---------------------|
| Knowledge Test | 18 th Oct 2024 | 03:00 PM |
| Registration | 18 th Oct 2024 | 03:00 PM to 5:30 PM |
| Registration | 19 th Oct 2024 | 7:30 AM to 4:00 PM |
| Inaugural session | 19 th Oct 2024 | 9:00 AM to 10:00 AM |
| Case study presentation & KT | 19 th Oct 2024 | 10:30 AM to 2:30 PM |
| Valedictory Session (Award Distribution and cultural Program) | 19 th Oct 2024 | 04:30 PM to 7:00 PM |
| Registration | 20 th Oct 2024 | 7:30 AM to 9:30 AM |
| Case study presentation & KT | 20 th Oct 2024 | 9:20 AM to 2:30 PM |
| Valedictory Session (Award Distribution and cultural Program) | 20 th Oct 2024 | 04:30 PM to 7:00 PM |

Information/Guidelines/Rules for participation in Convention

1. Please send your nomination in the prescribed Form-1 & 2 together. (Attached in email)
2. Last date for Registration: 20th September 2024 and 10th October 2024 for participating at Jagdalpur and Bhilai respectively.
3. **Nomination** should be submitted in Registration **Form-1**. Filled Scan Copy of **Form-1** is accepted; however, **Form-2** is required in **Excel format** (to avoid any typing mistake for preparing certificate). Certificates will be prepared as per **Form-2**
4. Soft Copy of the case study & Presentation shall be uploaded directly to www.qcfibhilai.in; or can be e-mailed directly to ccqcbh@gmail.com
5. All communication can be done on ccqcbh@gmail.com
6. Front page of the case study should have the following details:
 - a) Name of the organization
 - b) Name of the team
 - c) Name of the team Members
 - d) Title of the case study
 - e) Category (Viz, QC, Kaizen, 5-S, Six-Sigma& safety Circle etc.)
7. 50% discount for students, if their institute is having institutional membership.
8. Recommendation for attending NCQC-2024 will be sent after receipt of participation Payment.
9. Individual participation certificate, Award memento for team along with Certificate and token gift will be given for motivation of team members.

10. If any organization qualified for multiple discounts, only higher discount will be applicable.
11. Only limited teams will be allowed to participate at Jagdalpur. First preference will be given to organization located near Jagdalpur. However, will try to accommodate at-least five teams per organization on first come first serve basis.

CCQC-2024 Evaluation Criteria, Bhilai Chapter

| SN. | Description | Max. Marks |
|-----|----------------------------|------------|
| 1 | Case Study in all concepts | 100 |
| 2 | Oral Presentation | 50 |
| 3 | Knowledge Test | 50 |
| | Total Marks | 200 |

Evaluation Criteria for Quality Circle

| Steps | Description | Max Marks |
|-------|---|------------|
| 1 | Identification of Problems | 5 |
| 2 | Selection of Problem | 5 |
| 3 | Define the Problem | 10 |
| 4 | Analysis of the Problem | 10 |
| 5 | Find out Causes | 10 |
| 6 | Root Cause Analysis (Identification through validation) | 5 |
| 7 | Data Analysis on the root Causes | 10 |
| 8 | Development of Solution through brainstorming | 10 |
| 9 | Foreseeing Probable Resistance | 5 |
| 10 | Trial Implementation & Check Performance | 15 |
| 11 | Regular Implementation | 10 |
| 12 | Follow-up and Review | 5 |
| | Total Marks | 100 |

Evaluation Criteria for other allied concepts

| Steps | Problem Solving Steps | Max. Mark |
|-------|--------------------------|------------|
| 1 | Selection of the Problem | 5 |
| 2 | Define the problem | 15 |
| 3 | Measure the problem | 20 |
| 4 | Analysis | 20 |
| 5 | Implementation | 30 |
| 6 | Follow up and Review | 10 |
| | Total Marks | 100 |

Evaluation Criteria for Safety Circle

Safety Circle Evaluation System during CCQC and NCQC:

| Steps | Description | Max Marks (50) | |
|--------------------|---|----------------|--------------|
| | | Case-1 (Lead) | Case-2 (Lag) |
| Step-1a | Identification of Hazard / Risk (Every Hazard/ Risk identified will get 0.4 marks). Unsafe act and condition reported should be supported with before and after photographs/sufficient proof and validation. | 20 | 20 |
| Step-1b | Selection of problem using Risk rating method | 4 | 4 |
| Step-2\ (D) | Defining and selection of Problem | 8 | 8 |
| | Gantt Chart or Mile stone Chart | 2 | 2 |
| | Define the problem with the help of Flow Diagram / Pictorial depiction | 6 | 6 |
| Step-3 (M) | Measure by Ascertain the Facts (Human, Physical, Systemic) and 4W + 1H | 18 | 21 |
| | a) Physical Factor (facts with details) | 4 | 4 |
| | b) Human Factor (facts with details) | 4 | 4 |
| | c) Systemic Factor (facts with details) | 4 | 4 |
| | d) Approach for ascertaining the fact | 2 | 2 |
| | e) 4W + 1H | 4 | 4 |
| | f) Develop The Chronology (for Incident) | 0 | 3 |
| Step-4 (A) | Analysis | 27 | 27 |
| | a) Physical | 5 | 5 |
| | b) Human | 5 | 5 |
| | c) Systemic | 5 | 5 |
| | Approach & logic to find out root cause (systemic) with the help of Tree diagram / Cause & Effect diagram. | 6 | 6 |
| | Validation of Root Causes | 6 | 6 |
| Step-5 (I) | Improve | 14 | 11 |
| | Developing solution and Recommendation | 6 | 3 |
| | Record & communicate (After Approval granted) | 2 | 2 |
| | Implement | | |
| | i) Use of PDCA Cycle. | 2 | 2 |
| | ii) Comparative milestone chart | 2 | 2 |
| | iii) Assess Gains | 2 | 2 |
| Step-6 (C) | Control | 9 | 9 |
| | Review by using appropriate tools | 9 | 9 |
| Total Marks | | 100 | 100 |

Note Before:

- 1) **3.0 bonus marks**, if contractor worker is included in the team, subject to maximum marks will not exceeding 100.
- 2) **Minus 3.0 Marks**, if victim is not a part of team (In case of Incident and victim is alive and is on duty).

Evaluation Criteria for 5-S

| Steps | Description | Max Marks |
|-------|--------------------------------------|------------|
| 1 | Initial Efforts | 15 |
| 2 | Activities for work place management | 20 |
| 3 | Implementation of 4th S | 10 |
| 4 | Audit System | 15 |
| 5 | Status of 5-S Implementation | 25 |
| 6 | Follow-up & Review System | 15 |
| | Total | 100 |

Part-B: Case Study Presentation

| Criteria | Criteria Description | Marks (Max-50) |
|-------------|---|----------------|
| Criteria -1 | Sequence, Clarity, Team Participation, Smooth Change over from one speaker to another | 10 |
| Criteria -2 | Time Management: How Circle has managed the time to explain the Project. | 10 |
| Criteria -3 | Communication Skill & Confidence level | 10 |
| Criteria -4 | Special Features | 10 |
| Criteria -5 | Answering Satisfactorily & Correctly the Questions asked by the Judges. | 10 |

Part-C: Knowledge Test: 20 Multiple Choice Question / 25 marks

1. For Safety Circle:

A. Questions on Problem solving tools and techniques: **5 Questions**

B. Question on Safety: **15 Questions**

2. For Quality Circle and Allied Concepts: 20 Multiple Choice Question on PST and QC Concept

3. For 5-S: 20 Multiple Choice Question related with workplace management

CCQC-2024 Registration and Fee Structure (for Institutional Member)

| Sl. No. | Description | Annual (Rs.) | Permanent (Rs.) |
|---------|--|----------------|-----------------|
| 1 | Quality Circle (In Physical Mode) per team consisting of maximum 5 Members | 22,500/- + GST | 20,000/- + GST |
| 2 | Other Allied quality concepts per team consisting of maximum 3 Members | 13,500/- + GST | 12,000/- + GST |
| 3 | Safety Circle per team consisting of maximum 4 Members | 18,000/- + GST | 16,000/- + GST |
| 4 | Additional member of Any Concept | 4,500/- + GST | 4,000/- + GST |

Discounts:

- 5% discount can be availed by organization, if **advance** payment is done on or before 20th September 2024 and 10th October 2024 for participating at Jagdalpur and Bhilai respectively. **Invoice** will be generated once **advance** is received.
- 5% discounts, if minimum 15 teams and 60 participants are from single organization.
- 5% discounts for the teams participating outside Chhattisgarh.
- 50% Special discount for students for participation in CCQC-2024.

Note Before: An organization can avail all three discounts (a + b + c), if eligible limited to 20% (Maximum).

Information/Guidelines/Rules for participation in Convention

- Demand Draft:** In favour of "QUALITY CIRCLE FORUM OF INDIA, BHILAI CHAPTER" payable at BHILAI.
- NEFT payment:** IFSC/RTGS Code: IOBA0001843, Indian Overseas Bank, A/CNo.:184301000000617

For all enquiries connected with case study submission and participation, please contact
QUALITY CIRCLE FORUM OF INDIA, BHILAI CHAPTER
G.P.Singh, Secretary, QCFI, Bhilai Chapter
TULIP-275, Block-A, Talpuri International Colony, Bhilai West, Dist: Durg (C.G)
PIN:490009 Phone:9407981822(M)

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Jagdalpur is an incredibly lively place in Chhattisgarh, known for its rich history, natural beauty, and cultural heritage. The city's stunning waterfalls, ancient temples, and fascinating museums make it an ideal destination for travellers, seeking to explore the heart of Chhattisgarh. Here are some of the best places to visit in Jagdalpur.



Danteshwari Temple
Traditional Nagara Architecture

Danteshwari Temple is a popular Hindu temple, located in the town of Dantewada. The temple is dedicated to Goddess Danteshwari, who is considered to be an incarnation of Goddess Shakti. The temple is believed to have been built in the 14th century and is one of the most important temples in the region.



Chitrakote Falls
Niagara Falls of India

Chitrakote Falls is a popular tourist destination, attracting visitors from all over India and abroad. The area around the waterfall is surrounded by dense forests and is home to a variety of wildlife.



Tirathgarh Waterfalls
The Milky Fall

Tirathgarh Waterfalls is another natural attraction, situated in the Kanger Valley National Park. The surrounding area is covered in dense forests and is home to a variety of wildlife.



Kutumsar Caves
The Limestone Caves

Kutumsar Caves is located in the Chhattisgarh. The caves are a network of underground limestone caves and are known for their unique formations and stunning beauty. The caves were discovered in 1993 and are believed to be around 330 million years old. They are located within the Kanger Valley National Park.

Bhilai ♦♦♦♦

Bhilai is Chhattisgarh's second-largest city, and its multiculturalism and diversity have earned it the nickname **"Mini India."** It is famous for its tranquil atmosphere and beautiful, verdant landscape. Other than being home to the world-famous Bhilai Steel Plant, the region is packed with places of worship, historical landmarks, and scenic vistas that draw visitors from all around.



Civic Center
Perfect spot for relaxation

When you've seen everything there is to see in Bhilai, it's time to unwind and recharge. A good time can be had by everybody at the Bhilai Civic Center. In addition to being one of Bhilai's most popular places to shop, Civic Center is also home to a variety of exciting attractions, including a thrilling amusement park.



Thagada Dam, Durg
An island has been prepared in the middle of the dam amidst attractive lighting. A boating facility and 16 shops and seating arrangements for eating and drinking are also above the Chowpatty with colorful fountain inside dam enchanting its beauty.



Maitri Bagh adjacent to Bhilai, with a zoo, boating, dancing fountain and park designed for visitors alike spread in 111 acres. Historical records reveal that Russia and India signed the peace treaty that led to the creation of the Maitri Bagh.



Dongargarh is 75 kilometers from Bhilai via Durg and Rajnandgaon. Bambleshwari Temple is at Dongargarh in Rajnandgaon district, Chhattisgarh, India. It is on a hilltop of 1600 feet. This temple is referred as Badi Bambleshwari.