

## Chapter 4

# **RESULTS AND DISCUSSION**

## RESULTS AND DISCUSION

### 4.1 Introduction

After the data were collected from respondents through the questionnaire, will be presented with the following analysis and interpretation of the data collected for the three sections included in the questionnaire.

#### Determine the existence of a special section of Quality Management

Table (4-1)

Respondents answer about whether there is a special section of Quality Management

Answer Statement	Number	Percent
Yes	6	86%
No	1	14%
Total	7	100%

From the table above that the percentage of factories that have a quality department amounted to 86% of any high percentage compared with plants that do not have quality

department and this is an indication that the concept of quality is not a stranger to the industrial sector, particularly the cement industry.

#### 4.2 First Section

This section includes the partial own factories that have a special section of quality management.

#### Create a special section of the factory quality management

Table(4-2)

#### Knowing when your department was set up quality management

Answer Statement	Number	Percent
Since the establishment of the factory	6	% 100
A year ago	0	% 0
Two years ago	0	% 0
More than that	0	% 0
Total	6	% 100

from Table (4-2) the Quality Management Department was established since the establishment of the factory, or about the end of the eighties, and this indicates the keenness of the factories to provide the quality of their products.

**Reasons that prompted the administration to embrace the creation of a special section of Quality Management**

**Table(4-3)**

**Knowing the reasons that prompted the administration to adopt factories create a special section of Quality Management**

<b>Answer Statement</b>	<b>Number</b>	<b>Percent</b>
Faith in senior management role of quality management in support of other departments	2	33%
Achieving the objectives of the plant in a practical way	3	50%
At the request of customers or suppliers	0	0%
The presence of strong competition between institutions of joint activity	1	17%
<b>Total</b>	<b>6</b>	<b>100%</b>

In Table (4-3) shows that achieving the goals of the factory in a practical way in first place, it was found that 50% of the departments of the plant achieved the goals in accordance with the method set, while 33% came in second place, which is the believing of senior management factories role of quality management in support of other departments. He said 17% that there is strong competition between institutions in the same activity.

### The role of quality management in the factory plans and strategies

Table (4-4)

Knowledge of the role of quality management in factories under consideration in the development of plans and strategies

Answer Statement	Number	Percent
A key role	2	33%
The role of the average efficiency	4	67%
Secondary role is negligible	0	0%
No role	0	0%
Total	6	100%

The role of quality management in the factory plans and strategies is the role of the average efficiency and that's what him Table (4-4), namely that senior management

make use of quality management in the development of plans and strategies, while some factories reported that the role that the administration is a major role.

**Factories over the use of global or local institutions specializing in quality management at the establishment of a special section of Quality**

**Management**

**Table (4-5)**

**Knowledge of the extent of use of the institutions of global factories or local  
When you set up a special section of Quality Management**

Answer Statement	Number	Percent
Global company	4	%67
Local company	1	%16.5
Consulting only	1	%16.5
Do not make use of one of the works on the efficiency of existing staff	0	%0
Total	6	%100

In the previous table show that , the gain of 67% of the factories employ international companies in quality management at the establishment of a special section of quality management, and this shows to keep up with the senior management in factories and openness to keep pace with international companies in the field of quality, in addition to the use of some local companies and consulting in the field of quality .

The organization's goals in the factories is to get a certificate for the application of universal quality such as ISO

Table (4-6)

Knowledge of the goals of the organization in the factories to get a certificate for the application of universal quality such as ISO or not

Answer Statement	Number	Percent
Yes	6	%100
no	0	%0
Total	0	%100

Seeks Most organizations have among its objectives the application of quality on their products, and therefore seek international certifications for the application of quality, and this is what turns out from Table (7), where up to 100 percent of the factories was among its goals to obtain such certificates.

**The extent to which the factory quality management certificate in global quality system such as ISO**

**Table (4-7)**

**Get to know the extent of quality management in factories certified global quality system such as ISO**

<b>Answer Statement</b>	<b>Number</b>	<b>Percent</b>
Yes	5	%83.3
No	1	%16.7
Total	6	%100

from that table number (4-1) that 86% of the factory which have a special section of the management of quality, you may get gain of 83.3% of these plants on a global certificate in quality system and ISO goal of this that shown in the table (4-7).

There is an external evaluation of a company or a local or global institution evaluate the performance of the Department of Quality Management factories

Table (4-8)

To know the extent of evaluating the performance of the Department of Quality Management Libyan cement factories  
By global institutions or local

Answer Statement	Number	Percent
Yes	6	%100
No	0	%0
Total	6	%100

From the table above shows, that there is an external evaluation of the performance of the Department of Quality Management factories by local institutions and of the Ministry of Industry, and this is what well show in Table (4-30).

## Type of Quality Management Department Libyan cement plants

Table (4-9)

Know the nature of the work of the Department of Quality Management in factories under discussion

Answer Statement	Number	Percent
Execution of the development and follow-up procedures and operations departments Other	2	%33.3
Follow up with to hold negligent	2	%33.3
Evaluation and report to senior management	2	%33.3
Otherwise	0	%0
Total	6	%100

The work of the Department of Quality Management factories target percentages were divided in the development and implementation of procedures and follow-up operations and other departments to follow up with to hold negligent and evaluation and report to senior management.

## How to allocate a budget for the Department of Quality Management factories

Table (4-10)

### Knowledge of how to allocate a budget for the Department of Quality Management factories

Answer Statement	Number	Percent
Percentage of sales	0	0
Depending on ability to pay	4	%67
No budget and exchange as an estimate depending on need	2	%33
Total	6	%100

Has found in the table above that there was no percentage of sales dedicated to quality management and budget but relies budget by 67% on administration in its ability to pay, and the gain of 33% that there was no specific budget, but the exchange will be required by quality management.

**knowledge of the contribution of the Department of Quality Management to achieve the objectives of the plant**

**Table (4-11)**

**Find out how to help the Department of quality management in achieving the goals of the plant**

Answer Statement	Number	Percent
Yes helps dramatically	4	%67
Helps level the average	2	%33
Does not help	0	%0
Total	6	%100

In the table above shows, and by up to 67% to the Department of Quality Management helps to achieve the goals of the factory, and this indicates that the employees sensed that quality plays an important role in reaching the goals of the factory, and Panama Quality Management does not help in achieving the goals set percentage was 0%. This indicates that the rate on the role and the importance of quality management.

**Over the application of the recommendations of the Quality**

**Management Department have regarding discovery and correct errors**

**and to develop corrective action preventive**

**Table(4-12)**

**Knowledge of the application of the recommendations of the Quality Management Department have regarding the discovery and correction of errors And to develop corrective action preventive**

<b>Answer</b> <b>Statement</b>	<b>Number</b>	<b>Percent</b>
Recommendations are applied	1	%16.7
Taken together	5	%83.3
Are not taking their final	0	%0
Total	6	%100

In terms of the actual application in the previous table between us, and by more than 83% that the recommendations put forward by the Department of Quality Management in connection with the discovery and correction of errors and plans preventive mistakes taken only some of them, according to commensurate with the staff and workers, either as it is applied strictly were accounted for no more than 17% , either he was not taken a final 0%. This indicates that it is taken, but will be applied in line with the staff.

knowledge of the existence of an internal audit of the Department of quality management processes and procedures to monitor the implementation of other departments for operations and plans factory

Table (4-13)

Over the existence of an internal audit of the Department of quality management processes and procedures to monitor the implementation of other departments for operations and plans factory

Answer Statement	Number	Percent
A comprehensive audit of the Quality Management	4	%67
Post Quality Management	2	%33
No final audit	0	%0
Total	6	%100

In the previous table shows that there is scrutiny and follow-up of quality management to other departments in terms of the implementation of the plans factory, came this audit a comprehensive quality management by 67%, and the proportion of post quality management in monitoring and auditing in terms of implementation of 33%, and here shows that there is scrutiny and follow-up plans for the existing plant, whether by the quality management or participation.

**Know how much experience director of quality management and the extent of his knowledge of the functions of the job**

**Table (4-14)  
Over the familiarity and experience director of quality management  
functions of his job**

Answer Statement	Number	Percent
Qualified and experienced	3	%50
Qualified without experience	2	%33
Experience without qualification	1	%17
Total	6	%100

In the table (4-14) built us how familiarity Head of Quality Management duties functional Will has competence and experience, reaching the ratio of 50%, but the answers he was kind of judgment on oneself or for the benefit of self \_ from the perspective of the researcher \_ where he was the target of the study occupies the post of Chief quality Department or his representative, and thus will put himself in the position of an expert qualified to lead the department, which Mieks inaccurate information and counterfactual, but it was necessary to put this question until we know the person to evaluate himself .

The percentage of 33% was their answer they are qualified but without experience and it is due from the point of view a few courses and foreign visits to factories that cultivate expertise in running the business, while the patchwork of 17% is on by saying that he

has sufficient experience in the department and its operation, but the default by the state not to give him a chance to complete his studies and obtaining the qualification.

**The extent of the involvement of the quality department to analyze the data at the current and future plans for structural administrative processes**

**Table( 4-15)**

The extent of the involvement of the quality department factories in the data analysis of current and future plans at the structural administrative processes

<b>Answer Statement</b>	<b>Number</b>	<b>Percent</b>
Each administration separately	3	%50
Post Quality Management	2	%33
The participation of all departments	1	%17
Total	6	%100

The analysis of data and the development of plans for operations management in the previous table between us 50% of the departments have autonomy in analysis and structural plans of operations management is not the involvement of the quality department while in Table 13 between us that quality management has audit and monitor the processes and procedures in the implementation of departments of operations, plans, and to a great extent, but their participation in the development of these plans does not exceed 33%, and this does not support the quality management fully nor involves them in decision-making, which makes the development of quality management at the plant weak and marginalized, while the participation of all departments are a small percentage, which indicates a lack of awareness to involve all departments and quality management in decision-making and participation in responsibilities.

### How to employ the staff of the Department of Quality Management

Table (4-16)

#### Learn how to recruit employees Quality Management Department

Answer Statement	Number	Percent
On the basis of practical experience and college degrees	4	%67
On a random basis to fill a vacancy only	2	%33
Total	6	%100

In the table above shows us the percentage of 67% of employees with college degrees and qualified reflecting the clarity of vision I have a recruitment section in the

recruitment of talent to do the job tasks of quality in the light of experience, and thus the performance of the business efficiently and effectively, which makes for a quality management prestige and status between departments other than ultimately leads to respect the decisions and observations and reports resulting from the management of quality, either hiring a brokerage account and calculated and tribal knowledge and compliments came 33% where the ills of some of them in it the reason for the weakness of the overall performance, which underlines the lack of effectiveness of the concrete section.

### Over the rehabilitation department staff quality management

Table (4-17)

Knowledge of the possibility of rehabilitation personnel department of quality management

Answer Statement	Number	Percent
Yes rehabilitation is through external courses	4	%67
Yes, we have an internal training program	1	%16.5
There is a plan for rehabilitation, but has not been activated	0	%0
No rehabilitation program at all	1	%16.5
Total	6	%100

In the table (4-17) shows us Is there a rehabilitation program management staff quality department was to answer 67% are rehabilitation abroad, and by only 17% have a qualification internal, either accounted for 16.5% and they said there was no program already, and here the researcher's point of view there are varying answers as the factor plays a role in the mediation of these courses because the person as president or vice-answer section that there is no program originally either had no knowledge of plans for courses or to isolate them, I think that there is some kind of favoritism.

**kind of assessment by the Department of quality management to the rest of the departments**

**Table (4-18)**

**Type Rating followed by the Department of quality management to the rest of the departments**

Answer Statement	Number	Percent
Annual assessment	4	% 67
Evaluate the semi-annual	1	% 16.5
Monthly evaluation	1	% 16.5
Total	6	% 100

It seems to be that from the above table that the majority of assessment by the Quality Management is an annual and is from the perspective of the researcher that he hold routinely conducted each year to assess the performance, and the evaluation semi-annual and monthly it does not exceed 17%, and this assessment is intended to control

provisions departments to carry out its duties to the fullest and have stems from senior management to support quality management and have a good income.

**know what type of quality system that is being followed in the factories in question**

**Table (4-19)**

**Type a quality system that is being followed by cement factories Libyan**

Answer Statement	Number	Percent
Full product is selected	2	% 33
Are selected random sample of the product per day	1	% 17
Are selected random sample of the product per week	0	% 0
Are selected random sample of the product per month	2	% 33
Are selected random sample of the product during the year	0	% 0
Another system	1	% 17
Total	6	% 100

The table above prove there system to follow the quality factories was 33% of the answers he was taken samples of the whole product and be taking at random each month, either 17% said that there is another system followed the factory is in sampling depending on the type of samples, including per hour and another every two hours and calculate the average daily and another random.

### **4.3 The second section**

This section is dedicated to questions from factories that do not have quality department is not applied so as to know some of the reasons include:

- The reason from non-application quality.
- Knowledge of the reasons for and the wishes of the departments in terms of quality.
- Assess the quality culture at the plant.
- the extent of their conviction quality management even define reality and status of quality management have this factory and then determine the results and recommendations.
- How to monitor the samples they have.

**Discuss the possibility of the establishment of a special section of quality management in the meetings of the factory management**

**Table (4-20 )**

**The possibility of discussing the establishment of a special section of quality management in the meetings of the factory management**

Answer Statement	Number	Percent
Yes, with the recommendation to establish the quality department	1	% 100
Yes, without a plan for the establishment of the Department of Quality	0	% 0
Do not discuss this topic	0	% 0
Total	1	% 100

In the table above shows the plan, which does not have a quality department meetings and have recommended that they have a quality department and they have a clear vision of the importance of establishing the quality department they are in the process of working on it.

**Number of heads of departments who have expressed their satisfaction with the establishment of a special section of Quality Management**

**Table (4-21)**

**Know the number of heads of departments who have expressed their satisfaction with the establishment of a special section of Quality Management**

Answer Statement	Number	Percent
All departments	0	% 0
Several departments	1	% 100
One department	0	% 0
No one	0	% 0
Total	1	% 100

Adopt from the previous table that several departments have expressed their satisfaction with the establishment of the Department of quality and this indicates that the Del either on their awareness and their belief in the importance of the late-quality department or they have this awareness, but not in their hands the decision.

## **Reasons support for the establishment of a special section of the factory quality management (with mention some of them, if possible)**

In this question the researcher that there are options and that the answer will be open from their point of view was the answer in two points :

- clear separation of powers and the regularity of the workflow .
- have an incentive to compete and development .

It turned out that there are powers at work wearing departments and overlapping business and hung their hopes in the quality department to separate them and identify the tasks and monitor the work of each department, as well as have an incentive to compete among other factories and development as a vision for the future .

## **The reasons for the refusal to set up a special section of quality management (with mention some of them, if possible)**

When asked about the reasons for rejection researcher the answer is as follows :

- There are no reasons to reject the establishment of a special section of the management of quality .

It turned out that I have a factory sales of 140,000 quintals this year as the largest cement producer in Libya, said his sales precede any production slate that is manufactured today than a month already Sold

And that the overcrowding at the request cement their quality and give rise needed, was not the quality of their meetings, even considering the priorities and are rejected .

**How willing or future intention to create a special section of Quality Management**

**Table (4-22)**

**The willingness or intention to create a futuristic special section of quality management in the factory**

Answer Statement	Number	Percent
Ready strong	1	% 100
Ready relatively weak	0	% 0
Not for lack of conviction	0	% 0
Total	1	% 100

Yes in the table (4-22) explained to us that they have prepared a strong and 100% on the establishment of the quality department and, as noted in Table 20, while recommended the creation of the Department of Quality and are now in the process of working on it was they put the structural principle was sent who will fill the Head of Quality and give him a training course and training on it.

**See how the presence of a future plan of time for the Department of Quality Management**

**Table (4-23)**

**See how the presence of a future plan of time for the Department of Quality Management**

Answer Statement	Number	Percent
Yes, one year after	0	% 0
Yes, after several years	1	% 100
There is no future plan	0	% 0
Total	1	% 100

Here the previous table shows us that they have plans for the future, but after several years that this shows any weakness and dimension of each dimension for planning and development and there is no desire to enter into this area and this part of the delay in the establishment of the quality department so far .

**In your opinion, the main reason for rejecting the establishment of a special department to manage quality now**

**Table (4-24)**

**The main reason, in the opinion of the factory refused to create a special section of quality management to now**

<b>Answer</b> <b>Statement</b>	<b>Number</b>	<b>Percent</b>
Physical reason for the high cost	0	% 0
Not convinced senior management	0	% 0
Not needed	0	% 0
Other reasons (remember)	1	% 100
<b>Total</b>	<b>1</b>	<b>% 100</b>

Table (4-24) among the reasons for our rejection of the establishment of the

Department of Quality Management was the reason :

Fear of embarrassment some departments .

It is this reasoning, as well as the answer to the causes of support shows us that there are some departments are delinquent in their work and ignore them originally from the bounds of its work .

**Over the presentation of the plant by an outside company, domestic or global to cooperate with you to create a special section of Quality Management**

**Table (4-25)**

**Over the presentation of the plant by an outside company, domestic or global To cooperate with you to create a special section of Quality Management**

Answer Statement	Number	Percent
Yes external company	0	% 0
Yes, a local company	0	% 0
Not provide any width	1	% 100
Total	1	% 100

As an illustration of what has been said on The table (4-25) shows us that he did not make any offer for the plant by international companies or local, not even the Ministry of Industry originally, and here was the blame on the ministry's lack of follow-up and assistance, not even from the door of the advice in the creation of this section .

**Relationship and having a section of the plant at a rate of quality management of production**

**Table (4-26)**

**See how a relationship department for the management of the plant at a rate of production quality**

<div style="display: flex; justify-content: space-between;"> <span>Answer</span> <span>Statement</span> </div>	Number	Percent
Yes there is a direct relationship	1	% 100
Yes there is an inverse relationship	0	% 0
There is no relationship between the two	0	% 0
Total	1	% 100

Table 26 built in the presence of the plant quality department has to do with the rate of production and the answer is no direct relationship, and this shows from the viewpoint of the person who will head the Department of quality in this factory, where he sees that the production rate will apply according to the study plans in place .

**Relationship and having a section of the factory quality management profits**

**Table (4-27)**

**Answer the respondent about the relationship between the presence of the Department of Quality Management factory profits**

Answer Statement	Number	Percent
Yes, there is a strong relationship	1	% 100
Yes, there is a simple relationship	0	% 0
Yes there is an inverse relationship	0	% 0
There is no relationship between the two	0	% 0
Total	1	% 100

As well as between us and the person authorized in the previous table that the factory quality management department will have a strong relationship and this belief in the profits from the principle of quality .

#### 4.4 The third Section

Targeted this section and cultivation industry because it is the first reference for each state factories .

See the text of the legislation and the laws and regulations in the window and the Ministry of Industry on the existence of the Department of Quality Management Libyan industrial enterprises in the private sector and public

Table (4-28)

Knowledge of the text of the legislation and the laws and regulations in the window and the Ministry of Industry on the existence of the Department of Quality Management Libyan industrial enterprises in the private sector and public

<b>Answer</b> <b>Statement</b>	<b>Number</b>	<b>Percent</b>
Yes	3	% 50
No	3	% 50
The public sector only	0	% 0
the private sector Only	0	% 0
Total	6	% 100

In the previous table was the question on the text of the ministry of the laws and legislation in the presence of the Department of Quality Management industrial

enterprises were the answers are not clear where he made the first half yes and 50% and the second half without, which shows that there are laws and legislation and regulations provide for this but is not working out and not be considered it is not due to it originally .

**knowledge of the existence of a plan to amend the laws and regulations so as to include the presence of industrial quality management**

**institutions Libyan**

**Table (4-29)**

**Knowledge of the existence of a plan to amend the laws and regulations so as to include The existence of quality management institutions, industrial Libyan**

Answer Statement	Number	Percent
Yes	2	% 33
No	3	% 50
This topic will be discussed in the future	1	% 17
Total	6	% 100

Here in Table (4-29) shows 50% had not been a plan to amend the laws and regulations so as to include the existence of quality management institutions, industrial and so perhaps to its existence already, and 17% would be discussing the subject in the future, and the proportion that there is a plan of adjustment is 33% , and that it is clear that the

presence of industrial quality management institutions did not seem to have much attention and this may result in a lack of awareness of quality management work .

**Having a follow-up by the ministry to the departments of quality industrial enterprises or not**

**Table (4-30)**

**See how the existence of follow-up by the ministry to the departments of quality industrial enterprises or not**

Answer Statement	Number	Percent
Periodic follow	4	% 67
Random follow	2	% 33
No follow	0	% 0
Total	6	% 100

In Table (4-30) shows us the follow-up ministry departments quality industrial enterprises came up patrol and 67%, and follow-up random by 33%, and did not mention that there was no follow-up, but no follow-up, but the follow-up routine periodic or random as needed .

**The presence of facilities of industrial enterprises for the Libyan  
international quality certificates such as ISO**

**Table (4-31)**

**Knowledge of the existence of facilities of industrial enterprises for the Libyan  
international quality certificates such as ISO**

<b>Answer</b> <b>Statement</b>	<b>Number</b>	<b>Percent</b>
There are great facilities	0	% 0
There are facilities Medium	2	% 33
There are no facilities	4	% 67
<b>Total</b>	<b>6</b>	<b>% 100</b>

In this table mentioned there are no facilities of the ministry of industrial enterprises for a certificate of quality by 67%, while the existence of the facilities and rates Medium missed by 33%, and this is one of the reasons that reflects the feeling of the industrial establishments not to their attention by the ministry .

**Assess the extent of the Ministry of Industry and the Libyan products compared with those of Arab and international products**

**Table (4-32)**

**Assess the extent of the Ministry of Industry and the Libyan products compared with those of Arab and international products**

<b>Answer</b> <b>Statement</b>	<b>Number</b>	<b>Percent</b>
High Quality	1	% 16.7
Medium quality	5	% 83.3
Low Quality	0	% 0
Other (mention)	0	% 0
Total	6	% 100

Table (4-32) shows that assess the Ministry of Industry products Libyan which is responsible by primarily compared with those of the products of Arab and international rate was more than 83% said their products medium quality and the rest of high quality, has not been mentioned as a few quality, probably due so not to reveal that a few quality products because it will be the first place is to blame in this case .

## Monitor the market in terms of quality and price

Table (4-33)

Knowledge of market surveillance by the ministry in terms of quality and price

Answer Statement	Number	Percent
Yes surveillance patrol according to plan	0	% 0
Yes control irregular (there is no plan for it)	1	% 16.5
There is no control	4	% 67
Other (mention)	1	% 16.5
Total	6	% 100

In the previous table shows that 67% said that there was no control of the products in the market and this indicates the lack of the ministry in monitoring and follow-up, which came in equal proportions of 16.5% between control irregular any no plan for it, said the other, tipping charges and dereliction of himself that surveillance be the prerogative of the Ministry of Economy (consumer protection).

## Control like product coming from abroad by the ministry

Table (4-34)

### Control like product coming from abroad by the Ministry of Industry

Answer Statement	Number	Percent
Yes, always	1	% 16.5
Yes sometimes	4	% 67
No	1	% 16.5
Other (mention)	0	% 0
Total	6	% 100

It turns out that 16.5% of those who answered yes, always said that is monitoring the product through the center of food and medicine supplied from legal channels, while the gain of 67% said that it is sometimes control of the product similar coming from abroad, while the rest of the figure of 16.5% stated that he does not control on the product exterior .

In Table (4-34) (67%) said that there is no control on the local market, and here there is control on the product coming from abroad, and that it is clear that the Ministry of Economy is based on the monitoring of the product coming from abroad .

**knowledge of the ministry to grant licenses to those with specific industrial activities without the presence of management quality**

**Table (4-35)**

**Knowledge of the ministry to grant licenses to those with specific industrial activities without the presence of management quality**

<b>Answer</b> <b>Statement</b>	<b>Number</b>	<b>Percent</b>
Yes	4	% 67
When the license required the presence of Quality Management	1	% 16.5
No	0	% 0
Other (mention)	1	% 16.5
Total	6	% 100

Among those who answered yes were accounted for 67% stated that the jurisdiction of the Ministry of Economy and gives the licenses, either those who answered otherwise, and 16.5% said that according to the type of activity, and the same percentage said it requires the presence of quality management, and this may indicate a lack of clarity of vision of the ministry in terms of plans or laws and mechanism of action, and the lack of communication between the ministries of industry and economy if this originally from the jurisdiction of the Ministry of Economy .

See how the training of local elements on the quality and enable them to work in industrial enterprises by the National Plan resulting from the ministry

Table (4-36)

See how the training of local elements on the quality and enable them to work in industrial enterprises by the National Plan resulting from the ministry

Answer Statement	Number	Percent
Yes training abroad	0	% 0
Yes training at home	2	% 33
No training plan	4	% 67
Other (mention)	0	% 0
Total	6	% 100

From the table above shows that there is no plan for the training of local elements on quality and this is shown by the ratio stood at 67%, and this indicates a lack of importance of the ministry in the training of personnel with regard to the quality aspect. There are 33% stated that the local elements have received training on quality inside and then enable them to work in the national industrial enterprises .

**A relationship between the departments of quality industrial enterprises and the growth of the national economy**

**Table (4-37)**

**See how the existence of a relationship between the departments of quality industrial enterprises and the growth of the national economy**

<b>Answer</b> <b>Statement</b>	<b>Number</b>	<b>Percent</b>
Yes, there is a strong relationship	4	% 67
Yes, there is a simple relationship ineffective	2	% 33
Yes there is an inverse relationship	0	% 0
There is no relationship	0	% 0
<b>Total</b>	<b>6</b>	<b>% 100</b>

Here in the previous table that the administration of built quality industrial enterprises have a strong relationship with the growth of the economy and this shows awareness of the role of faith in the administration and quality in the progress of the economy, while the answers and 33% said that the quality management have to do is simple and effective.

**The presence of staffing ministry department or office to monitor quality industrial enterprises Libyan**

**Table (4-38)**

**The presence of staffing ministry department or office to monitor quality industrial enterprises Libyan**

Answer Statement	Number	Percent
Yes, there are	6	% 100
No	0	% 0
We will work to its existence in the future	0	% 0
No need for its existence	0	% 0
Total	6	% 100

Here the administration that there are quality control industrial enterprises in the Libyan owners of the ministry, and it is clear there is a separate department in the ministry and the question remains what are the nature of the work of this administration?

**The ministry to encourage industrial enterprises in the high-quality work and production**

**Table (4-39)**

**The ministry to encourage industrial enterprises in the high-quality work and production**

<b>Answer</b> <b>Statement</b>	<b>Number</b>	<b>Percent</b>
Yes there is incentive awards	2	% 33
No	3	% 50
Other (mention)	1	%17
Total	6	% 100

Although follow some factories in the work and produced a quality approach, but it turns out that these plants do not receive encouragement from the Ministry of Industry, and this is shown by 50% of respondents, there are 33 per cent that there is incentive awards by the Ministry of institutions Industrial high-quality, 17% said either that there is a rehabilitation program for the preparation of industrial enterprises for the Libyan relationship quality in coordination with the Center for specifications and standards.

#### **4.5 Summary**

In addition most of the factories have obtained the global certificate of ISO quality system, which was one of the targets within the factories that have sought it, Also the quality management of the factories have auditing and monitoring the processes and procedures in the implementation of the departments for operations and plans with large proportions .