

## Prequalification Technical Criteria for Road Works (Grade AA-International)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 100
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Sr. Civil Engineer	4	15	10
Civil Engineer	4	10	7
Quantity Surveyor	1	5	5
Land Surveyor	1	5	5
Civil Engineering Technician	2	10	7
Safety Officer	2	10	7

- Civil Engineers should be certified (BSc Certificate in the engineering field) and Licensed (CRPEP equivalent) as Engineers in their company's headquarter country.
- Quantity Surveyor should be certified (BSc Certificate in Quantity Surveying) and Licensed by RICS or a (CRPEP equivalent) as Quantity Surveyor in their company's headquarter country.
- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Land Surveyor should be certified (BSc Geodetic Surveyor) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience:

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than BD 7,500,000/-.
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than BD 20,000,000/-.

\* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of at least BD 5,000,000/-.*

- Minimum no. of 10 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	5	Water Tanker	4
Grader	5	Generator	4
Loader	5	Concrete Mixer	4
Road Roller	5	Trucks	10
Vibratory Compactor	5	Service Vehicles	10

- Owned Basic Plant.

#### Note:

- The Contracting Company should be (ISO 9001:2015 & ISO 14001:2015) and OHSAS 18001:2007 certified or with an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

## Prequalification Technical Criteria for Road Works (Grade AA)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 100
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Sr. Civil Engineer w/ CRPEP License	2	12	8
Civil Engineer w/ CRPEP License	2	5	5
Civil Engineering Technician	2	5	5
Safety officer	2	5	5

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safely from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience:

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 1,500,000/-** . *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 4,500,000/-**
- \* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of **at least BD 800,000/-***
- Minimum no. of 5 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	3	Water Tanker	4
Grader	4	Generator	3
Loader	4	Concrete Mixer	3
Road Roller	4	Trucks	7
Vibratory Compactor	4	Service Vehicles	7

- *Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment*
- Owned Basic Plant.

#### Note:

- The Contracting Company should be (ISO 9001:2015) and OHSAS 18001:2007 certified or with an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

## Prequalification Technical Criteria for Road Works (Grade A)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 75
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Sr. Civil Engineer W/ CRPEP License	1	12	8
Civil Engineer W/ CRPEP License	2	5	5
Civil Engineering Technician	2	5	5
Safety officer	2	5	5

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safely from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 1,500,000/-** (*The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications*)
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 2,500,000/-** .

*\* Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of **at least BD 500,000/-***

- Minimum no. of **4** years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned/leased\*:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	2	Water Tanker	3*
Grader	3	Generator	2
Loader	3	Concrete Mixer	2*
Road Roller	3	Trucks	5
Vibratory Compactor	3	Service Vehicles	5
Vibrator	3		

- Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment
- Owned Basic Plant.

#### Note:

- The Contracting Company should be (ISO 9001:2015) and OHSAS 18001:2007 certified or with an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

## Prequalification Technical Criteria for Road Works (Grade B)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 50
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineer w/ CRPEP License	2	8	6
Civil Engineering Technician	2	5	5
Safety officer	2	5	5

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 1,000,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 1,500,000/-**

\* Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of **at least BD 250,000/-**.

- Minimum no. of **3** years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned/leased\*:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	2*	Water Tanker	3*
Grader	3*	Generator	2*
Loader	3*	Concrete Mixer	2*
Road Roller	3*	Trucks	4
Vibratory Compactor	3*	Service Vehicles	4

\* Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment

- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Road Works (Grade C)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 35
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineer w/ CRPEP License	2	6	5
Civil Engineering Technician	1	5	4
Safety officer	1	5	4

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 500,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 750,000/-**.

\* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of **at least BD 200,000/-***

- Minimum no. of **3** years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned/leased\*:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	2*	Water Tanker	2*
Grader	2*	Generator	2*
Loader	2*	Concrete Mixer	2*
Road Roller	2*	Trucks	3
Vibratory Compactor	2*	Service Vehicles	3

- *Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment*
- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Road Works (Grade D)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 20
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required per each	Minimum No. of Years of Experience(per each) in the Application Field Required
Civil Engineer w/ CRPEP License	1	5	3
Civil Engineering Technician	2	5	3
Safety officer	1	5	3

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 250,000/-** . *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 300,000/-** .

\* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of **at least BD 100,000/-***

- Minimum no. of **3** years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned/leased\*:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	2*	Water Tanker	2*
Grader	2*	Generator	1*
Loader	2*	Concrete Mixer	1*
Road Roller	2*	Trucks	2
Vibratory Compactor	2*	Service Vehicles	2

- *Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment*
- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Road Works (Grade E)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 15
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineer W/ CRPEP License	1	5	3
Civil Engineering Technician	2	5	3
Safety Officer	1	5	3

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 100,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 150,000/-**.

\* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of at least BD 50,000/-*

- Minimum no. of **3** years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned/leased\*:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	2*	Water Tanker	2*
Grader	2*	Generator	1*
Loader	2*	Concrete Mixer	1*
Road Roller	2*	Trucks	2
Vibratory Compactor	2*	Service Vehicles	2

- *Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment*
- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Road Works (Grade F)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 15
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineer W/ CRPEP License	1	3	2
Safety Officer	1	3	2

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety “ completing IGC1, IGC2 & IGC3) an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 15,000/-** . *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 25,000 /-**
- \* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of **at least BD 8,000/-** .*
- Minimum no. of **2** years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned/leased\*:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	1*	Water Tanker	1*
Grader	1*	Generator	1*
Loader	1*	Concrete Mixer	1*
Road Roller	1*	Trucks	2*
Vibratory Compactor	1*	Service Vehicles	2*

- *Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment*
- Owned or Leased Basic Plant.



## Prequalification Technical Criteria for Road Asphalt (Grade A-International)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 100
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Sr. Civil Engineer	2	15	10
Civil Engineer	4	10	7
Quantity Surveyor	1	5	5
Land Surveyor	1	5	5
Civil Engineering Technician	2	10	7
Safety Officer	2	10	7

- Civil Engineers should be certified (BSc Certificate in the engineering field) and Licensed (CRPEP equivalent) as Engineers in their company's headquarter country.
- Quantity Surveyor should be certified (BSc Certificate in Quantity Surveying) and Licensed by RICS or a (CRPEP equivalent) as Quantity Surveyor in their company's headquarter country.
- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Land Surveyor should be certified (BSc Geodetic Surveyor) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience:

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 5,000,000/-**.
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 10,000,000/-**.

\* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of at least **BD 2,500,000/-**.*

- Minimum no. of 10 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	3	Asphalt Milling Machine	3
Grader	3	Asphalt Pavers	3
Loader	3	Pneumatic Roller	3
Tandem Roller	3	Generator	3
Vibratory Compactor	3	Trucks	5
Water Tanker	3	Service Vehicles	5
Tack Coat & Road Oil Distributor	3	Asphalt Plant*	1

- Owned Asphalt Plant\*

\* *Should submit MED Approval Compliance Certificate and Asphalt Mix Laying Approval Certificate or its equivalent.*

- The Contracting Company should be (ISO 9001:2015 & ISO 14001:2015) and OHSAS 18001:2007 certified or with an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

## Prequalification Technical Criteria for Road Asphalt (Grade A)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 75
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Sr. Civil Engineer w/ CRPEP License	2	10	7
Civil Engineer w/ CRPEP License	2	5	5
Civil Engineering Technician	2	5	5
Safety officer	2	5	5

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safely from IOSH or NEBOSH international General Certificate in occupational Health & Safety “completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 1,000,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 1,500,000/-**.

\* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amt. of **at least BD 500,000/-**.*

- Minimum no. of 4 years’ experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	3	Asphalt Milling Machine	3
Grader	3	Asphalt Pavers	3
Loader	3	Pneumatic Roller	3
Tandem Roller	3	Generator	3
Vibratory Compactor	3	Trucks	5
Water Tanker	3	Service Vehicles	5
Tack Coat & Road Oil Distributor	3	Asphalt Plant*	1

- Owned Asphalt Plant\*

\* *Should submit MED Approval Compliance Certificate and Asphalt Mix Laying Approval Certificate*

#### Note:

- The Contracting Company should be (ISO 9001:2015) and OHSAS 18001:2007 certified or with an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

## Prequalification Technical Criteria for Road Asphalt (Grade B)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower **35**
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Sr. Civil Engineer W/ CRPEP License	1	10	7
Civil Engineer W/ CRPEP License	2	5	5
Civil Engineering Technician	2	5	4
Safety officer	2	5	4

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience:

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 250,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 600,000/-**.
  - \* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amt. of at least BD 175,000/-.*
- Minimum no. of **3** years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	2	Asphalt Milling Machine	2
Grader	2	Asphalt Pavers	2
Loader	2	Pneumatic Roller	2
Tandem Roller	2	Generator	2
Vibratory Compactor	2	Trucks	4
Water Tanker	2	Service Vehicles	4
Tack Coat & Road Oil Distributor	2	Asphalt Plant*	1

- Owned Asphalt Plant\*
- \* *Should submit MED Approval Compliance Certificate and Asphalt Mix Laying Approval Certificate.*

## Prequalification Technical Criteria for Road Asphalt (Grade C)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 20
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineer W/ CRPEP License	2	5	5
Civil Engineering Technician	2	5	4
Safety officer	2	5	4

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 30,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than **BD 75,000/-**.

\* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of at least BD 20,000/-.*

- Minimum no. of 2 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	2*	Asphalt Milling Machine	2*
Grader	2*	Asphalt Pavers	2*
Loader	2*	Pneumatic Roller	2*
Tandem Roller	2*	Generator	2*
Vibratory Compactor	2*	Trucks	3
Water Tanker	2*	Service Vehicles	3
Tack Coat & Road Oil Distributor	2*	Asphalt Plant**	1

- *Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment*
- Owned Asphalt Plant\*\*
- \*\* *Should submit MED Approval Compliance Certificate and Asphalt Mix Laying Approval Certificate*

# Prequalification Technical Criteria for Bridge & Highway Structure Maintenance (Grade A-International)

## 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

## 2- Organization & Human Resources:

- Minimum No. of manpower 100
- Minimum No. of Technical Personnel:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Sr. Civil Engineer	2	15	10
Civil Engineer	3	10	7
Quantity Surveyor	2	10	7
Land Surveyor	1	5	5
Civil Engineering Technician	2	10	7
Safety Officer	2	10	7

- Civil Engineers should be certified (BSc Certificate in the engineering field) and Licensed (CRPEP equivalent) as Engineers in their company's headquarter country.
- Quantity Surveyor should be certified (BSc Certificate in Quantity Surveying) and Licensed by RICS or a (CRPEP equivalent) as Quantity Surveyor in their company's headquarter country.
- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Land Surveyor should be certified (BSc Geodetic Surveyor) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety "completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

## 3- Experience:

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than BD 4,000,000/-.
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the field of application in the last 3 years valued equal or more than BD 7,500,000/-.

\* *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amount of at least BD 2,000,000/-.*

- Minimum no. of 8 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

## 4- Plant & Equipment owned/leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	5*	Lift	3*
Asphalt Cutter	5*	Jack Hammer	5*
Loader	5*	Dimond Core Drilling Machine	5*
Grader	5*	Concrete Mixer	5*
Road Roller	5*	Trucks	5
Vibratory Compactor	5*	Service Vehicles	7

\* Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment

- Owned or Leased Basic Plant.

### Note:

- The Contracting Company should be (ISO 9001:2015 & ISO 14001:2015) and OHSAS 18001:2007 certified or with an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

# Prequalification Technical Criteria for

## Bridge & Highway Structure Maintenance (Grade A)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 50
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Sr. Civil Engineer W/ CRPEP License	1	15	10
Civil Engineer W/ CRPEP License	2	10	7
Civil Engineering Technician	2	10	7
Safety Officer	2	7	5

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safely from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 400,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the Field of application in the last 3 years valued equal or more than **BD 700,000/-**.
- *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amt. of at least BD 200,000/- .*
- Minimum no. of 3 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned/leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	2*	Lift	2*
Asphalt Cutter	2*	Jack Hammer	3*
Loader	3*	Dimond Core Drilling Machine	3*
Grader	3*	Concrete Mixer	3*
Road Roller	3*	Trucks	3
Vibratory Compactor	3*	Service Vehicles	5

\* Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment

Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Bridge & Highway Structure Maintenance (Grade B)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 35
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Sr. Civil Engineer W/ CRPEP License	1	7	5
Civil Engineer W/ CRPEP License	2	5	4
Civil Engineering Technician	2	5	4
Safety Officer	2	5	4

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 250,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the Field of application in the last 3 years valued equal or more than **BD 500,000/-**.
- *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amt. of at least BD 100,000/- .*
- Minimum no. of 3 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned/leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	2*	Lift	2*
Asphalt Cutter	2*	Jack Hammer	2*
Loader	2*	Dimond Core Drilling Machine	2*
Grader	2*	Concrete Mixer	2*
Road Roller	2*	Trucks	2
Vibratory Compactor	2*	Service Vehicles	3

\* Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment

Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Bridge & Highway Structure Maintenance (Grade C)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 20
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineer (w/ COEPP License)	2	5	3
Civil Engineering Technician	2	5	3
Safety Officer	2	5	3

- Technicians should be certified (BSc or Diploma Certificate in the engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Amount of Single Largest Completed Project in the application field in the last 3 years valued equal or more than **BD 100,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum Aggregate Contract Amount of Major Completed Projects\* in the Field of application in the last 3 years valued equal or more than **BD 250,000/-**.
- *Aggregate Contract Amount of Major Completed Projects – refers to the Total Sum of all Major Completed Projects related to the field of application with Contract Amt. of at least BD 50,000/-.*
- Minimum no. of 2 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).
- The Upgrading will be limited to one grade per an application.

### 4- Plant & Equipment owned/leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Excavator/Backhoe	1*	Lift	1*
Asphalt Cutter	2*	Jack Hammer	2*
Loader	1*	Dimond Core Drilling Machine	2*
Grader	1*	Concrete Mixer	2*
Road Roller	1*	Trucks	1
Vibratory Compactor	1*	Service Vehicles	2

\* Contractors with insufficient number of required equipment should submit a leased contract agreement to augment their pool of equipment

Owned or Leased Basic Plant.



## Prequalification Technical Criteria for Road Traffic Signal installation & Maintenance Works

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 15
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Electrical Engineer W/CRPEP License	1	5	4
Electrical Engineering Technician W/EDD	2	3	3
Wireman W/EDD	2	3	3
Safety Officer	1	3	2

- Technicians should be certified (BSc or Diploma Certificate in engineering) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Electrical Engineers/Technicians / Wiremen should have a valid License Issued by EDD or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety "completing IGC1, IGC2 & IGC3") or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than **BD 150,000/-** . *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum 4 Projects completed in the field of application in the last 3 years.
- Minimum no. of 5 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned/ Leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Service Vehicle (Pickup)	1	Road cutting machine	1
Six-Wheeler with crane for lifting	1	Digital Advance Signboard	2
High-up crane/crane with pickup	1		

- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for

### Road Traffic Signal installation & Maintenance Works (International)

**1- Eligibility:**

- Covered in CED Pre-Qualification Application Requirements.

**2- Organization & Human Recourses:**

- Minimum No. of manpower   30
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Electrical Engineer	2	7	4
Civil Engineer	1	5	3
Electrical Engineering Technician	2	5	3
Wireman	2	3	3
Safety Officer	2	3	2

- Engineers should be certified (BSc Certificate in engineering field) and Licensed (CRPEP equivalent) as Engineers in their company's headquarter country.
- Technicians should be certified (BSc or Diploma Certificate in engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety "completing IGC1, IGC2 & IGC3) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

**3- Experience:**

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than **BD 500,000/-** .
- Minimum   4   Projects completed in the field of application in the last 3 years.
- Minimum no. of   8   years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

**4- Plant & Equipment owned/ Leased:**

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Service Vehicle (Pickup)	1	Road cutting machine	1
Six-Wheeler with crane for lifting	1	Digital Advance Signboard	2
High-up crane/crane with pickup	1		

- Owned or Leased Basic Plant.

**Note:**

- The Contracting Company should be (ISO 9001:2015) certified or with an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

## Prequalification Technical Criteria for Various Road Traffic (Supply & Erection of Safety Fencing “Crash Barriers, Crush Cushion & End Terminal”)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 15
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineering Technician	1	5	3
Safety Officer	1	5	3

- Technicians should be certified (BSc or Diploma Certificate in engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety “completing IGC1, IGC2 & IGC3”) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than BD 50,000/-. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum 3 Projects completed in the field of application in the last 3 years.
- Minimum no. of 3 years’ experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned/ Leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Lorry	1	Digital arrow Panel Board	1
Compressor	1	Concrete Mixer	1
Generator	1		

- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Various Road Traffic (Supply & Erection of Pedestrian Fencing)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 15
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineering Technician	1	5	3
Safety Officer	1	5	3

- Technicians should be certified (BSc or Diploma Certificate in engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety "completing IGC1, IGC2 & IGC3") or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than **BD 50,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum 3 Projects completed in the field of application in the last 3 years.
- Minimum no. of 3 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned/ Leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Concrete Mixer	1	Generator	1
Lorry	1	Digital arrow Panel Board	1
Compressor	1		

- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Various Road Traffic (Road Marking & Studs)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 15
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineering Technician	1	5	3
Road Marking Operator*	1	3	3
Safety Officer	1	5	3

- Technicians should be certified (BSc or Diploma Certificate in engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety “completing IGC1, IGC2 & IGC3”) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Road Marking Operator should have a professional certificate as a Road Marking Operator from a certified training institute and the client reference letters or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning. \*

### 3- Experience:

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than **BD 50,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum 2 Projects completed in the field of application in the last 3 years.
- Minimum no. of 3 years’ experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned/ Leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Lorry	1	Digital arrow Panel Board	1
Road marking maneuverable machine	1	Pre-heater machine (for thermoplastic)	1
Road marking hand-guided machine	1	Retro-reflectometer instrument	1

- Owned or Leased Basic Plant.
- Road Marking machines with marking operator are subject for test or trial on site.

## Prequalification Technical Criteria for Various Road Traffic (Supply & Erection of Parking Meters)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 15
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required Per each	Minimum No. of Years of Experience (for each) in the Application Field Required
Civil Engineering Technician	1	5	3
Safety Officer	1	5	3

- Technicians should be certified (BSc or Diploma Certificate in engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety “completing IGC1, IGC2 & IGC3”) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than **BD 50,000/-** . *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum 1 Projects completed in the field of application in the last 3 years.
- Minimum no. of 3 years’ experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned/ Leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Lorry	1	Digital arrow Panel board	1
Concrete Mixer	1		

- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Various Road Traffic (Kerb Painting)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 8
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineering Technician	1	5	3
Safety Officer	1	5	3

- Technicians should be certified (BSc or Diploma Certificate in engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety "completing IGC1, IGC2 & IGC3") or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than **BD 20,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum 3 Projects completed in the field of application in the last 3 years.
- Minimum no. of 3 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned/ Leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Lorry	1	Digital arrow Panel Board	1

- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Various Road Traffic (Supply & Erection of Road Traffic Signs)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 15
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineering Technician	1	5	3
Safety Officer	1	5	3

- Technicians should be certified (BSc or Diploma Certificate in engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety “completing IGC1, IGC2 & IGC3”) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than **BD 50,000/-** . *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum 3 Projects completed in the field of application in the last 3 years.
- Minimum no. of 3 years’ experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned/ Leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Crane	1	Lorry	1
Concrete Mixer	1	Digital arrow Panel Board	1

- Owned or Leased Basic Plant.



## Prequalification Technical Criteria for Various Road Traffic (Traffic Signs Cleaning)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Recourses:

- Minimum No. of manpower 15
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineering Technician	1	5	3
Safety Officer	1	5	3

- Technicians should be certified (BSc or Diploma Certificate in engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety "completing IGC1, IGC2 & IGC3") or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

### 3- Experience :

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than **BD 20,000/-**. *(The single largest project requirement is mandatory for New & Upgrading prequalification applications and optional for renewal Prequalification applications)*
- Minimum 1 Project completed in the field of application in the last 3 years.
- Minimum no. of 2 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned/ Leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Crawler Crane	1	Lorry	1
Ladder	1	Digital arrow Panel Board	1

- Owned or Leased Basic Plant.

## Prequalification Technical Criteria for Various Road Traffic (International) (For Road Marking, Traffic Signs and Parking Meters)

### 1- Eligibility:

- Covered in CED Pre-Qualification Application Requirements.

### 2- Organization & Human Resources:

- Minimum No. of manpower 30
- Minimum No. of Technical Recourse:

Technical Staff Specialty	Minimum No. Required	Minimum No. of Years of overall Experience Required (per Each)	Minimum No. of Years of Experience in the Application Field Required (for each)
Civil Engineer	2	7	5
Civil Engineering Technician	2	7	5
Road Marking Operator*	2	4	3
Safety Officer	1	5	3

- Engineers should be certified (BSc Certificate in engineering field) and Licensed (CRPEP equivalent) as Engineers in their company's headquarter country.
- Technicians should be certified (BSc or Diploma Certificate in engineering field) or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Safety Officer should have Certificates (Managing Safety from IOSH or NEBOSH international General Certificate in occupational Health & Safety "completing IGC1, IGC2 & IGC3") or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.
- Road Marking Operator should have a professional certificate as a Road Marking Operator from a certified training institute and the client reference letters or an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning. \*

### 3- Experience:

- Minimum Completion of one Project in the application field in the last 3 years valued equal or more than BD 300,000/-.
- Minimum 3 Projects completed in the field of application in the last 3 years.
- Minimum no. of 8 years' experience in the field of application.
- Satisfactory performance appraisal of the ongoing or completed MOW Projects (if the contractor is involved in any project with MOW as a party).

### 4- Plant & Equipment owned/ Leased:

Name of the Equipment	Min. no. required	Name of the Equipment	Min. no. required
Lorry	1	Digital arrow Panel Board	1
Compressor	1	Concrete Mixer	1
*Road marking maneuverable machine	1	*Pre-heater machine (for thermoplastic)	1
*Road marking hand-guided machine	1	*Retro-reflectometer instrument	1
Generator	1		

- Owned Plant.
- \*for Road Marking Only.

### Note:

- The Contracting Company should be (ISO 9001:2015) certified or with an equivalent approved by Ministry of Works, Municipalities Affairs and Urban Planning.

**MINISTRY OF WORKS, MUNICIPALITIES AFFAIRS &**  
**URBAN PLANNING**

**PREQUALIFICATION FINANCIAL CRITERIA**

## **Overview of Ratios adopted for Pre-qualification**

### **Four Major Categories of Financial Ratios:**

1. Liquidity
2. Profitability Sustainability
3. Operational Efficiency
4. Leverage

#### **A. Liquidity Ratios**

An important indication of financial health and whether the company has enough cash on an ongoing basis to meet operational obligations.

##### **1. Current Ratio**

Measures the ability to meet short term obligations, a useful indicator of cash flow in the near future. Ratio between 1.20 and 2.0 is generally considered sufficient while Ratio less than 1.0 indicates liquidity issues.

##### **2. Quick Ratio**

Indicates liquid assets that can be quickly converted to cash. Ratio of 1:1 means that the enterprise can pay its bills without having to sell inventory.

##### **3. Working Capital**

Indicates current assets over current liabilities required as working capital for operations of the company.

#### **B. Profitability Sustainability Ratios**

##### **1. Gross Profit Margin**

Enough gross profit is required to cover indirect costs and to plough back retained earnings for working capital needs and growth.

##### **2. Net Profit Margin**

Measures the ability to cover all operating costs including indirect costs.

##### **3. Return on Assets**

Indicates efficiency of operating assets. A low ratio compared to industry may mean that competitors have found a way to operate more efficiently.

##### **4. Return on Equity**

This is one of the important ratios to investors. This ratio indicates profit to compensate for the risk of being in business.

#### **C. Operational Efficiency Ratios**

Indicate efficiency of utilization of assets and managing liabilities. These ratios are used to compare performance over multiple periods.

##### **1. Accounts Receivable Turnover (expressed in "Days in Accounts Receivable")**

Indicates number of times trade receivables is turned over during the year, The higher the turnover, the shorter the time between sales & collecting cash.

##### **2. Days in Inventory**

Indicates efficiency of inventory turnover, A high ratio indicates inventory is selling quickly and little unused inventory is being stored. Low ratio suggests overstocking, obsolete inventory or there are selling issues.

### 3. Total Asset Turnover

Indicates efficiency of business to generate sales on each \$ of assets. Increasing ratio indicates assets being used more productively.

### **D. Leverage Ratio**

It indicates the level of borrowed money utilization by an enterprise and its associated risk of liquidity crunch in case of reduced profitability.

#### 1. Debt to Equity

Recommended ratio by practice is to maintain 2:1 (*i.e. Debt can be twice that of equity as a limiting factor*).

#### 2. Gearing Ratio

Indicates the extent of financial leverage the company has in terms of borrowed funds versus equity. Higher ratio when economy & company is sound, provides high profit margin, and when there is down turn in economy & company goes through downslide of margin, higher gearing ratio can lead the company to bankruptcy.

### **Assumptions in recommended Financial Ratios**

1. Analysis is done for the last 3 years Audited Financial Statements (AFS) with the following weightage:

- Latest AFS - 70%
- Previous to latest AFS - 20%
- Last AFS - 10%

### **There will be 2 Stages of Financial Evaluation**

- 1<sup>st</sup> Stage (Pass or Fail marks)  
\* *Contractors with less than 75 points will be rejected in Grade category applied for*
- 2<sup>nd</sup> Stage (must get at least 75 points in the 1<sup>st</sup> Stage).
- Overall Score is the average of the points in the 1<sup>st</sup> & 2<sup>nd</sup> Stage.

### **Weightage Points for 1<sup>st</sup> Stage Evaluation (Pass or Fail):**

- Working Capital = 30 points
- Net Worth = 30 points
- Current Ratio = 20 points
- Quick Acid Test Ratio = 20 points
- **Total Mark = 100 Points**

- If minimum Working Capital, Net Worth, Current Ratio & Quick Acid Test Ratio requirements are met, Contractor gets the assigned weightage points;
- If there is a shortfall on the minimum requirement, the Contractor gets ZERO on said criteria.

2. Weightage Points for 2<sup>nd</sup> Stage Evaluation:

- Turnover - 14 points
- Working Capital to Total Assets - 7 points
- Leverage Ratios - 21 Points  
*(Gearing, Debt to Equity & Total Liabilities to Total Assets Ratios)*
- *Gearing, Debt to Equity & Total Liabilities to Total Assets Ratios* - 7 points each
- Operational Efficiency Ratios - 20 points  
*(Assets & Inventories Turnovers, Account Receivables Turn over)*
- *Assets and Inventories Turnovers* - 5 points each
- Accounts Receivables Turnover - 10 points
- Profitability Sustainability Ratios - 38 points  
*(Return on Equity & Return on Assets, Gross Profit Margin & Profit Margin)*
- Return on Equity & Return on Assets - 7 points each
- Gross Profit Margin & Profit Margin - 12 points each

3. Recommended Standardization of Benchmark & Full Implementation is 3 years, considering current economic situation & the number of contractors who would be able to qualify the pre-qualification criteria.

Proposed Step Incremental Benchmarking:

- Year 1 - 10% increase to the base figures
- Year 2 - 10% increase to the figures in year 1 of implementation.
- Year 3 - 10% increase to the figures in year 2 of implementation.

4. Overall Score will be classified as follows:

- Excellent = **above 90 points**
- Good = **75 points - 90 points**
- Average = **55 points - 74.99 points**
- Poor = **below 55 points**

5. Financial Evaluation Considerations:

- Contractors applying for New registration or Upgrade the prequalification license need to have at least **“Good”** Overall Score.
- Contractors with **“Average”** score can be consider only for prequalification license renewal applications.
- Audited Interim Financial Report for the ongoing financial/fiscal year can be taken in consideration for the first stage of the evaluation to measure the enhancement, if the last three years annual audited financial reports weighted average is not meeting the minimum benchmark required for the desired Category/Grade. This will only be consider for the financial evaluation first stage for prequalification license renewal applications and the overall financial evaluation will be consider **“Average”** regardless to the marks sum, The prequalification license in this case

is subjected to the company providing its latest Audited Annual financial report no later than one year from its current Prequalification license issuing date to re-evaluate company's financial status and confirm its compliance & suitability to the licensed Category/Grade Financial criteria requirements. *(Failing to submit the above details the prequalification license will be canceled, and the company will have to submit new prequalification application.)*

- If the last three years annual audited financial reports weighted average is not meeting the minimum benchmark required for the desired Category/Grade, the evaluation can be consider only the last year audited report ratios & values if it reflect an enhancement in the company's financial capacity and meets the minimum benchmark required for the desired Category/Grade, this will only be consider for the financial evaluation first stage for prequalification license renewal applications and the overall financial evaluation will be consider "Average" regardless to the marks sum, The prequalification license in this case is subjected to the company providing its latest Audited Annual financial report no later than one year from its current Prequalification license issuing date to re-evaluate company's financial status and confirm its compliance & suitability to the licensed Category/Grade Financial criteria requirements. *(Failing to submit the above details the prequalification license will be canceled, and the company will have to submit new prequalification application.)*

6. It is advised for the concerned parties to conduct a financial evaluation for the participant contractors in Tenders for the following conditions:

- If the contracting company is being, involve in several ongoing projects (more than a project at the same time) while tendering for a Ministry project(s).
- If the Contractor financial evaluation result during the prequalification process were, consider or result as "**Average**".
- If the project is highly valued (more than 10 Million) and/or with high technical complexity such as but not limited to (GCC fund project or major strategic projects that are mainly allocated for the top classified contractors (grade AA for the Main categories and grade A for the specialized categories were there is no Maximum value limit for participation).

## Financial Criteria for Road Works

Category	Grade	Financial Limit per Project (BD)	Minimum Net Worth (Total Equity) (BD) (75% of Turnover)	Minimum Working Capital (BD) (35% of Turnover)	Minimum Annual Turnover (BD)
Road Works	AA	Over 2,500,000	2,250,000	1,050,000	3,000,000
	A	Up to 2,500,000	1,875,000	875,000	2,500,000
	B	Up to 1,500,000	1,125,000	525,000	1,500,000
	C	Up to 1,000,000	750,000	350,000	1,000,000
	D	Up to 500,000	375,000	175,000	500,000
	E	Up to 250,000	187,500	87,500	250,000
	F	Up to 100,000	75,000	35,000	100,000
Asphalt Works	A	Over 1,500,000	1,500,000	700,000	2,000,000
	B	Up to 1,500,000	1,125,000	525,000	1,500,000
	C	Up to 500,000	375,000	175,000	500,000
Highway & Bridges	A	Over 500,000	525,000	245,000	700,000
	B	Up to 500,000	375,000	175,000	500,000
	C	Up to 300,000	225,000	105,000	300,000

Category	Grade	Financial Limit per Project (BD)	Minimum Net Worth (Total Equity) (BD) (75% of Turnover)	Minimum Working Capital (BD) (35% of Turnover)	Minimum Annual Turnover (BD)
Road Works, (International)	AA	Over 2,500,000	15,000,000	7,000,000	20,000,000
Roads Asphalt (international)	A	Over 1,500,000	7,500,000	3,500,000	10,000,000
Highway & Bridges (International)	A	Over 1,500,000	7,500,000	3,500,000	10,000,000



## Financial Criteria for Road Traffic Categories

Category	Grade	Financial Limit per Project (BD)	Minimum Net Worth (Total Equity) (BD) (75% of Turnover)	Minimum Working Capital (BD) (35% of Turnover)	Minimum Annual Turnover (BD)
Road Traffic Signals	Pass or Fail	Non	150,000	70,000	200,000
Various Road Traffic					
Parking Meters	Pass or Fail	Non	52,500	24,500	70,000
Kerb Painting	Pass or Fail	Non	15,000	7,000	20,000
Road Signs Cleaning	Pass or Fail	Non	15,000	7,000	20,000
Traffic Safety fencing	Pass or Fail	Non	37,500	17,500	50,000
Traffic Pedestrian fencing	Pass or Fail	Non	37,500	17,500	50,000
Road Marking	Pass or Fail	Non	15,000	7,000	20,000
Supply & erection of Road Traffic Signs	Pass or Fail	Non	15,000	7,000	20,000

Category	Grade	Financial Limit per Project (BD)	Minimum Net Worth (Total Equity) (BD) (75% of Turnover)	Minimum Working Capital (BD) (35% of Turnover)	Minimum Annual Turnover (BD)
Road Traffic Signals or Various Road Traffic (International)	Pass or Fail	Non	750,000	350,000	1,000,000