#### THE CONSTRUCTION INDUSTRY DEVELOPMENT BOARD BILL (No. XXXIV of 2008)

#### **Explanatory Memorandum**

This Bill consolidates and improves on the law relating to the regulation of the construction industry.

The main objects of the Bill are to -

- (a) establish the Construction Industry Development Board as the regulatory body which shall be administered by a Council comprising representatives from different sectors of the construction industry;
- (b) provide for
  - (i) the registration and deregistration of consultants and contractors;
  - (ii) the temporary registration of foreign consultants and contractors;
  - (iii) enforcement measures, including the inspection of construction sites;
  - (iv) registration of consultants and contractors according to their field of specialisation.

A. K. BACHOO

Minister of Public Infrastructure, Land Transport and Shipping

07 November 2008

THE CONSTRUCTION INDUSTRY DEVELOPMENT BOARD BILL (No. XXXIV of 2008)

#### ARRANGEMENT OF CLAUSES

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## A BILL

# To provide for the consolidation and improvement of the law relating to the regulation of the construction industry

ENACTED by the Parliament of Mauritius, as follows -

#### 1. Short title

This Act may be cited as the Construction Industry Development Board Act 2008.

#### 2. Interpretation

(1) In this Act –

"authorised officer" means an employee of the Board designated as such by the Executive Director under section 15;

"Board" means the Construction Industry Development Board established under section 4;

"Chairperson" means the Chairperson of the Council appointed under section 8;

"committee" means a committee appointed by the Council under section 10;

"construction industry" means the industry dealing with construction works and construction services;

"construction works" means the erection, extension, installation, repair, maintenance, retrofitting, renewal, renovation, alteration, dismantling or demolition of all types of buildings and engineering infrastructure and includes temporary and any preparatory works required to undertake the works;

"consultancy services" means all aspects of architectural, engineering, quantity surveying, project management and any other consultancy services related to construction works;

"consultant" means a consultancy firm that undertakes to provide architectural, engineering, quantity surveying or project management services in the construction industry, and includes a foreign consultant;

"contractor" means a person who undertakes to carry out construction works, and includes a foreign contractor;

"Council" means the Council set up under section 8;

"Executive Director" means the person appointed as such under section 11;

"financial year" means the period starting on 1 July and ending on 30 June in the following year;

"foreign consultant " means, subject to subsection (3), an entity incorporated in Mauritius as a consultancy firm, the control of which is vested in persons with relevant professional qualifications who are not citizens of Mauritius;

"foreign contractor" means, subject to subsections (2) and (3) -

- (a) in the case of an individual, a contractor who is not a citizen of Mauritius;
- (b) an entity incorporated in Mauritius as a contractor, the control of which is vested in persons who are not citizens of Mauritius;

"General Fund" means the General Fund established under section 31;

"member" means a member of the Council and includes the Chairperson;

"Minister" means the Minister to whom responsibility for the subject of public infrastructure is assigned;

"project management" means the planning, supervision and control of a construction project;

"Register" means the Register of consultants or the Register of contractors, as the case may be, specified in section 18.

(2) An individual who has been operating in Mauritius as a contractor for an aggregate period of 4 years during the 10 years preceding the coming into operation of this Act shall not be considered as a foreign contractor.

(3) An entity incorporated, and that has been operating, in Mauritius as a consultancy firm or a contractor, as the case may be, for an aggregate period of 4 years during the 10 years preceding the coming into operation of this Act shall not be considered as a foreign consultant or foreign contractor.

## 3. Application of Act

This Act shall not apply to –

- (a) any person who undertakes construction works of the value specified in the First Schedule;
- (b) a statutory corporation which acts as consultant or contractor for any consultancy services or construction works, as the case may be, for or on behalf of the Government.

## 4. The Board

There is established for the purposes of this Act the Construction Industry Development Board which shall be a body corporate.

## 5. Objects of the Board

The objects of the Board shall be to -

- (a) promote the development and improvement of the construction industry;
- (b) promote sustainable growth of the construction industry;
- (c) promote and encourage the participation of the small and medium enterprises in the construction industry;
- (d) promote and assist in the export of services relating to the construction industry;

- (e) promote and stimulate quality assurance in the construction industry;
- (f) promote the awareness of the need for a safe and healthy work environment in the construction industry;
- (g) promote and establish best practice in the construction industry;
- (h) promote research and development relating to the construction industry; and
- (i) facilitate communication between stakeholders of the construction industry.

#### 6. Functions of the Board

The functions of the Board shall be to –

- (a) implement government policy relating to the construction industry;
- (b) regulate and register providers of construction works and construction services;
- (c) exercise regulatory functions in respect of the construction industry, including the registration of consultants and contractors;
- (d) provide advisory services to the construction industry and to the public in general;
- (e) publish an annual list of registered consultants and contractors;
- (f) advise and make recommendations to the Minister on matters relating to the construction industry;
- (g) encourage the standardisation and improvement of construction materials and techniques;
- (h) develop standard forms of construction agreements and contracts;
- (i) develop and maintain a construction industry information system;
- (j) develop and promote training programmes for operators of the construction industry;
- (k) advise relevant authorities on human resources development of the construction industry;
- (I) conduct surveys on the construction industry;

- (n) publish periodically indicative schedules of rates for construction works; and
- (o) perform such other functions as may be necessary to further its objects.

#### 7. Powers of the Board

(m)

The Board may –

authorities:

- (a) do all such acts as are necessary for it to achieve its objects and perform its functions, and in particular
  - (i) register consultants and contractors in the construction industry;
  - (ii) cancel, suspend or reinstate the registration of any consultant or contractor;
  - (iii) charge a reasonable fee in respect of any services provided by the Board;
- (b) subject to the approval of the Minister, accept grants or take a loan.

#### 8. The Council

(1) The Board shall be administered by the Construction Industry Development Council.

- (2) The Council shall consist of
  - (a) a Chairperson, who shall be appointed by the Minister;
  - (b) 2 representatives of the Ministry responsible for the subject of public infrastructure;
  - (c) a representative of the Ministry responsible for the subject of human resource development;
  - (d) a representative of the Ministry responsible for the subject of employment;
  - (e) a representative of the Mauritius Standards Bureau;
  - (f) a representative of the Mauritius Association of Architects;

- (h) a representative of the Mauritius Institute of Surveyors;
- (i) a representative of the Mauritius Association of Quantity Surveyors;
- (j) a representative of contractors' association to be appointed by the Minister;
- (k) a person to be appointed by the Minister to represent the interest of small and medium enterprises of the construction sector.

(3) Every member of the Council, other than the ex-officio members, shall hold office for a period of 2 years.

(4) A member other than an ex-officio member may not serve for more than 2 consecutive terms, unless the Minister reappoints him on account of his exceptional experience or the importance of his continued membership for the purpose of implementing a plan of action that he initiated.

- (5) A member must immediately vacate his office
  - (a) if he is convicted of any offence involving fraud or dishonesty;
  - (b) if he has been removed from an office of trust on account of his misconduct;
  - (c) for any reason stated in section 37(3) of the Interpretation and General Clauses Act.

(6) Every member of the Council shall be paid from the General Fund such fees and allowances as the Minister may determine.

#### 9. Meetings of the Council

(1) Subject to subsections (2) to (5), the Council shall regulate its meetings and proceedings in such manner as it thinks fit.

(2) The Council shall meet at least once a month at such place and time as the Chairperson may determine.

(3) Seven members shall constitute a quorum.

(4) (a) The Council may co-opt such person as may be of assistance in relation to any matter brought before it.

(b) A person co-opted under paragraph (a) shall have no right to vote.

(5) (a) Every meeting of the Council shall be presided over by the Chairperson.

(b) In the absence of the Chairperson, the members present shall, in relation to that meeting, elect one of them to act as Chairperson who shall exercise the functions, and have the powers, of the Chairperson.

#### 10. Committees

(1) The Council may appoint such committees as it considers appropriate to assist it in carrying out its functions.

(2) Any committee may consist of members of the Council and such other persons as the Council thinks fit to designate.

(3) Every committee shall be subject to, and act in accordance with, any directive given to it by the Council.

(4) Every committee shall regulate its meetings and proceedings in such manner as it thinks fit.

(5) A committee may invite any person to attend any of its meetings for the purpose of advising it on any matter under discussion, provided that the person so invited shall not be entitled to vote at any such meeting.

(6) The members of a committee or any person invited under subsection (5) to attend any meeting of a committee may be paid such fees and allowances as the Council may determine.

#### **11. Executive Director**

(1) There shall be an Executive Director who shall be the Chief Executive Officer of the Board.

(2) The Executive Director shall be appointed by the Council, with the approval of the Minister, on such terms and conditions as it thinks fit.

(3) The Executive Director shall be responsible to the Council for the proper administration and management of the functions and affairs of the Board in accordance with the policy laid down by the Council.

- (4) The Executive Director shall
  - (a) attend every meeting of the Council; and

- (b) take part in the deliberations of the Council but shall not have the right to vote; and
- (c) have the custody of all documents relating to the Board and keep minutes of all proceedings of the Council.

## 12. Appointment of staff

(1) The Council may, employ, on such terms and conditions as it thinks fit, such persons as may be necessary for the proper discharge of the functions of the Board.

(2) Any person appointed under subsection (1) shall be under the administrative control of the Executive Director.

## 13. Conditions of service of staff

The Council may, with the approval of the Minister, make provisions to govern the conditions of service of employees and, in particular to deal with -

- (a) the appointment, dismissal, discipline, pay and leave of, and the security to be given by, employees;
- (b) appeals by employees in case of dismissal or any other disciplinary measures; and
- (c) the establishment and maintenance of provident and pension fund schemes, medical scheme and the contribution payable to and the benefits recoverable from those schemes.

## 14. Disclosure of interest

A member of the Council, the Executive Director or any employee who has a direct or indirect interest in any matter brought before the Council –

- (a) shall immediately inform the Council; and
- (b) shall not participate in the deliberations or any part of the decision making process in relation to that matter.

## 15. Powers of authorised officers

(1) The Executive Director may designate in writing such employees as he thinks fit to be authorised officers for the purpose of ascertaining whether the provisions of this Act or any regulations made under this Act are being complied with.

(2) An authorised officer may for the purposes of discharging his functions, or exercising his powers –

- (a) enter, at all reasonable times, a construction site; and
- (b) make such enquiry or inspection as he thinks fit.

(3) In the course of an enquiry or an inspection under this section an authorised officer may –

- (a) direct any person to submit information on the registration of a consultant or contractor;
- (b) require the production of any records kept by a consultant or a contractor in the discharge of his duties and may make copies or take extracts of such records;
- (c) retain possession of the documents or records for such period as is reasonably necessary for the purpose of the enquiry to which the documents or records relate;
- (d) on a construction site
  - (i) inspect such equipment as he may consider necessary;
  - (ii) take or remove samples of any substance or things found on the site free of any charge;
  - (iii) take photographs and measurements and make sketches and recordings on the site;
  - (iv) require any person to state his name and residential address;
  - (v) require any person to give him any assistance as he may require.

(4) Every authorised officer shall produce, on request being made, his authority to any person referred to in subsection (3).

(5) On completion of his enquiry or inspection, the authorised officer shall submit to the Executive Director report together with any information obtained and documents produced to him.

(6) The Executive Director shall, after consideration of the report and the information and documents submitted under subsection (5), make such recommendations to the Council as he considers appropriate.

#### 16. Protection of members and officers

No liability, civil or criminal, shall attach to the Council, any member of the Council, or member of a committee, or officer of the Board, for any damage or loss suffered by any person in consequence of any act or thing which was done, or omitted to be done, in good faith in the exercise or performance of a power or function under this Act.

#### 17. Powers of the Minister

The Minister may give directions of a general character to the Board, not inconsistent with the objects of this Act, and the Board shall comply with such directions.

#### 18. Register

(1) The Council shall keep and maintain a Register of consultants and a Register of contractors at its office, in which shall be entered -

- (a) the names, business addresses, grades and area of specialisation, as the case may be, of every consultant or contractor registered under this Act;
- (b) such other particulars as the Council may, from time to time, determine.

(2) The Register of consultants and the Register of contractors shall be made available for inspection by members of the public at all reasonable times during office hours.

#### **19.** Registration of consultant and contractor

(1) No person shall offer his services as a consultant or as a contractor, unless he is registered under this Act.

(2) (a) An application for registration as a consultant or as a contractor under this Act shall be made in a form approved by the Council.

(b) The applicant shall be pay such processing fee as may be prescribed.

(3) (a) The Council may require an applicant to attend an interview to be conducted by a panel constituted of members of the Council and such other persons as the Council may appoint.

(b) The Council may reject an application where the applicant fails, without reasonable excuse, to attend an interview.

(4) The Council may require from an applicant such information as is necessary to determine –

- (a) his standard of performance and his track record;
- (b) his financial capability to ensure financial commitments for the works or services he will be undertaking;
- (c) that he has the necessary resources to undertake works corresponding to the grades of registration applied for; and
- (d) whether he is a fit and proper person to be registered.
- (5) The Council shall not grant an application for registration where
  - (a) the applicant has been adjudged bankrupt or declared insolvent, or in the case of a corporate body has been the subject of a winding up order;
  - (b) any of the principals, associates or partners of a consultancy firm or contractor has been found guilty of professional misconduct by a recognised professional body and whose participation was, in the opinion of the Council, material for the grant of the registration;
  - (c) the applicant has been convicted for an offence involving fraud or dishonesty; or
  - (d) the applicant has submitted misleading or insufficient information for the purposes of his registration.
- (6) Where the Council grants an application under this section, it shall
  - (a) determine
    - (i) the field of specialisation of the consultant specified in Part A of the Second Schedule; or
    - the class of works, grade and the area of specialisation of the contractor, specified in Parts B and C of the Second Schedule and the Third Schedule respectively,

in respect of which the registration is granted; and

(b) issue to the applicant a certificate of registration, valid for one year, on payment of such fee as may be prescribed and on such terms and conditions as it may determine;

- (c) assign a registration reference to every registered consultant or contractor.
- (7) A certificate of registration
  - (a) shall not be transferable;
  - (b) shall not entitle -
    - (i) a consultant to undertake or implement any project which is not within the field of specialisation;
    - (ii) a contractor to undertake or implement any construction works which is not within the class of works, the grade and the area of specialisation,

in respect of which the certificate is issued.

## 20. Temporary registration of foreign consultant and foreign contractor

(1) A foreign consultant or foreign contractor who intends to undertake consultancy services or construction works, as the case may be, in Mauritius shall prior to the award of every contract apply for temporary registration in respect of that contract.

(2) (a) An application for the purposes of subsection (1) shall be made in writing in the form and manner to be approved by the Council.

(b) The applicant shall pay such processing fee as may be prescribed.

(3) After considering an application under subsection (2), the Council may grant the application and issue to the applicant a Temporary Certificate of Registration, valid for one year, subject to the payment of such fee as may be prescribed and on such terms and conditions as it may determine.

(4) A temporary registration shall lapse where the contract in respect of which the temporary registration has been granted is determined.

## 21. Renewal of registration

A registration under section 19, or a temporary registration under section 20, may be renewed annually within one month before the date of expiry of the certificate of registration subject to an application being made in a form approved by the Council and on payment of such renewal fee as may be prescribed.

#### 22. Non-renewal of registration

(1) Where the holder of a registration certificate or temporary registration certificate applies for renewal of his certificate after the expiry of the period of validity of the certificate, but within 30 days thereof, he shall be liable to a surcharge of 25 per cent of the renewal fee.

(2) A registration or temporary registration shall lapse if it is not renewed within 30 days of the expiry of its period of validity.

(3) The registration of a consultant or contractor whose certificate of registration or certificate of temporary registration has lapsed shall be struck off the Register.

#### 23. Cancellation and suspension of registration

(1) The Council may cancel the registration of a consultant or a contractor where -

- (a) the consultant or the contractor
  - (i) has been adjudged bankrupt or declared insolvent, or in the case of a corporate body, has been the subject of a winding up order;
  - (ii) has obtained his certificate of registration by fraud or misrepresentation;
  - (iii) has, without good cause, abandoned any consultancy services or construction works, as the case may be, undertaken by him;
  - (iv) has been negligent in the provision of his services;
  - (v) has ceased to act as consultant or contractor;
  - (vi) has contravened any provision of this Act or any regulations made under this Act;
  - (vii) has failed to comply with any condition specified in his certificate of registration;
- (b) any of the principals, associates or partners of a consultancy firm or contractor has been found guilty of professional misconduct by a recognised professional body and whose participation was in the opinion of the Council, material for the grant of the registration.

(2) Before cancelling the registration of any consultant or contractor under subsection (1)(a)(ii) to (vii) and (b), the Council shall, by notice in writing, require him to show cause in writing within 15 days of the date of the service of the notice, why the registration should not be cancelled.

(3) The Council may, pending its decision to cancel a registration under this section, and where, in its opinion, the circumstances so require, suspend the registration of a consultant or a contractor in any of the cases specified in subsection (1)(a)(ii) to (vii) and (b).

- (4) The registration of
  - (a) any contractor shall be automatically cancelled on his death;
  - (b) any consultant or any contractor operating as a company, firm, association or partnership may be cancelled on the death, or deregistration by a professional body of any of the principals, associates or partners whose participation or professional qualification was, in the opinion of the Council, material for the grant of its application for registration.

(5) The Council shall inform the consultant or contractor of its decision under subsection (1), (3), or (4)(b) within 7 days of its decision, by notice in writing, specifying the reasons for its decision.

(6) A consultant or contractor who is informed that his certificate of registration has been cancelled or suspended shall surrender his certificate within 7 days of being so informed by the Council.

#### 24. Publication

(1) The Council shall, not later than 30 June of every year, publish an annual list of registered consultants and contractors in the *Gazette*.

(2) The Council shall publish in the *Gazette* and in at least one daily newspaper any cancellation, suspension or any change in particulars, of any registration made under this Act.

#### 25. Appeal

(1) Any consultant or contractor who is aggrieved by any decision of the Council may, within 21 days of the notification to him of the decision, notify the Permanent Secretary of his intention to appeal stating his grounds of appeal.

(2) The Permanent Secretary shall inform the Minister of the appeal and the Minister shall appoint an ad hoc Committee to hear the appeal within 15 days of the receipt of the notice of appeal. (3) The ad hoc Appeal Committee shall comprise a barrister of not less than 3 years standing as Chairperson, a public officer of a grade not less than Principal Assistant Secretary and a consultant or contractor of wide experience.

(4) The ad hoc Committee shall determine the appeal within 2 months of the date it has been appointed to hear an appeal, and may affirm, vary or reverse the decision of the Council stating its reasons for doing so.

(5) The Secretary of the ad hoc Appeal Committee shall be a public officer designated by the Permanent Secretary.

(6) The ad hoc Appeal Committee shall regulate its own procedure.

(7) The ad hoc Appeal Committee shall communicate its decision to the Minister, the Council and the appellant.

#### 26. Offences

(1) Any consultant or contractor who contravenes subsections 19(1), 19(7) or 20(1), shall commit an offence and shall, on conviction, be liable to a fine not exceeding 100,000 rupees and to imprisonment for a term not exceeding 2 years.

(2) Any person who obstructs, hinders, opposes or molests, or fails without reasonable excuse to comply with a requirement or direction of, an authorised officer in the performance of his duties under this Act shall commit an offence and shall on conviction be liable to a fine not exceeding 50,000 rupees and to imprisonment for a term not exceeding one year.

## 27. Jurisdiction

Notwithstanding section 114 of the Courts Act and section 72 of the District and Intermediate Courts (Criminal Jurisdiction) Act, a District Magistrate shall have jurisdiction to try an offence under this Act or any subsidiary enactment made under this Act and inflict the penalties provided under this Act.

#### 28. Exemption from duties and charges

Notwithstanding any other enactment, the Board shall be exempt from the payment of any duty, charge, fee, rate or tax.

#### 29. Service of documents

(1) Any summons, notice or other document required or authorised to be served on the Board may be served by delivery to the Executive Director at the registered office of the Board. (2) Service of process by, on or on behalf of, the Executive Director shall be equivalent to service by, on or on behalf of, the Board.

## **30.** Execution of documents

(1) All documents shall be deemed to be executed by or on behalf of the Council if signed by the Chairperson and the Executive Director.

(2) Where the Chairperson is absent, any other member designated by the Council may sign on his behalf.

## 31. General Fund

- (1) The Council shall establish a General Fund
  - (a) into which all monies received by the Board, including such grants as the Board may receive from the Government, shall be paid;
  - (b) out of which all payments required to be effected by the Board shall be met, including the remuneration, allowance, pension or other benefits, payable to any person under this Act.

(2) The income and assets of the Board shall be applied towards the promotion of the objects of the Board.

## 32. Donations and legacies

Article 910 of the Code Civil Mauricien shall not apply to the Board.

## 33. Annual report

(1) The Board shall, not later than 6 months after the close of a financial year, issue an annual report on its activities and audited accounts for that financial year.

(2) The annual report shall be submitted to the Minister for his approval and shall be laid before the Assembly.

## 34. Regulations

(1) The Minister may, after consultation with the Council, make such regulations as he thinks fit for the purposes of this Act.

- (2) Regulations made under subsection (1) may provide for
  - (a) the payment of fees, levy, charges or surcharges and imposition of penalties; and

(b) the amendment of the Schedule.

(3) Any regulations made under subsection (1) may provide that any person who contravenes them shall commit an offence and shall, on conviction, be liable to a fine not exceeding 50,000 rupees and to imprisonment for a term not exceeding one year.

## 35. Repeal

The Construction Industry Development Board Act is repealed.

#### 36. Consequential amendment

(1) For the purposes of the Statutory Bodies (Accounts and Audit) Act, the period extending from the commencement of this Act to 30 June of the following year shall be deemed to be the first financial year of the Board.

(2) Section 7(1) of the Statutory Bodies (Accounts and Audit) Act shall not apply in relation to the first financial year of the Board.

(3) The auditor to be appointed under section 5(1) of the Statutory Bodies (Accounts and Audit) Act shall be the Director of Audit.

(4) The Statutory Bodies Pension Fund Act is amended in the Schedule, by inserting in the proper alphabetical order, the following new item –

Construction Industry Development Board

## 37. Transitional provisions

(1) Notwithstanding the repeal of the Construction Industry Development Board Act –

- (a) any act done by, or any contract entered with, the Construction Industry Development Board shall be deemed to be a valid act done by, or contract entered with, the Board;
- (b) any person who is in employment with the Construction Industry Development Board immediately before the commencement of this Act shall be transferred to the Board and shall be deemed to be in continuous employment with the Board and his period of service shall be deemed to be an unbroken period of service with the Board;
- (c) any disciplinary enquiry or proceedings pending, or in process, against any employee of the Construction Industry Development Board may, as from the date of

commencement of this Act, be taken up, continued and completed by the Board as if initiated by the latter;

- (d) any proceedings, judicial or otherwise, commenced before and pending immediately before the commencement of this Act, by or against the Construction Industry Development Board shall be deemed to have been commenced, and may be continued, by or against the Board; and
- (e) any asset owned by, or liability against, the Construction Industry Development Board shall, at the commencement of this Act, be deemed to be the asset or liability of the Board.

(2) The Board under the repealed Act shall continue in existence for the purpose of issuing the annual report referred to in section 18 of the repealed Act in respect of the period extending from the end of the financial year immediately preceding the coming into operation of this Act to the date of the coming into operation of this Act.

(3) Where this Act does not make provision for any transitional measure from the repealed Act to this Act, the Minister may make necessary regulations for such transition.

#### 38. Commencement

(1) This Act shall come into operation on a date to be fixed by Proclamation.

(2) Different dates may be fixed for the coming into operation of different sections of this Act.

## FIRST SCHEDULE (section 3)

Amounts in rupees (exclusive of VAT)

Construction works

Less than 500,000

#### SECOND SCHEDULE (section 19)

## PART A. FIELDS OF SPECIALISATION OF CONSULTANTS

- 1. Architecture
- 2. Civil Engineering
- 3. Mechanical Engineering
- 4. Electrical Engineering
- 5. Project Management in Construction
- 6. Quantity Surveying

## PART B. CLASSES OF WORKS OF CONTRACTORS

- 1. Building Construction Works
- 2. Civil Engineering Construction Works
- 3. Mechanical Works
- 4. Electrical Works

## C. GRADES OF CONTRACTORS

Grading Designation	Value of Contract that a Contractor is allowed to undertake (exclusive of VAT)
Α	Up to any amount above Rs200m
В	Up to Rs200m
С	Up to Rs100m
D	Up to Rs50m
E	Up to Rs20m
F	Up to Rs10m
G	Up to Rs4m
Н	Up to Rs1.5m
I	Up to Rs500,000

## THIRD SCHEDULE (Section 19)

## AREAS OF SPECIALISATION OF CONTRACTORS

## (a) Building Construction Works

REFERENCE	AREAS OF SPECIALISATION	DESCRIPTION
B 01	Prefabricated building and industrial plant	Construction of building and industrial plant using prefabricated components and systems.
B 02	Steel framed building and industrial plant	Construction of steel framed building and industrial plant including towers.
B 03	Restoration and conservation	Building restoration and conservation.
B 04	General building maintenance and refurbishment	All types of building, fixing partition, roofing and general maintenance of building.
B 05	Piling and diaphragm walling	Installation of all types of piling-sheet piles, piling-steel piles, driven precast reinforced and prestressed concrete piles, bored-cast in situ piles and timber piles, including other patented piling systems and diaphragm walling works.
B 06	Concrete and Construction repairs	Specialisation in works of various construction repairs, refurbishment and reinstatement works including pressure grouting and guniting.
B 07	Interior decoration	Decoration of building including ceiling panels, partitioning, built-in fitments, furniture, joinery and raised floor works.
B 08	Waterproofing installation	Waterproofing of basement, roof and wall.
B 09	Landscaping	Provision of landscaping works including tree planting and turfing.
B 10	Plumbing and drainage	Installation, repair and servicing of water and gas pipe, sanitary works, plumbing fixtures, mains and drainage.
B 11	Signcraft installation	Installation of integrated sign posting system for complexes, airports,

		shopping centres including setting up of exhibition stand and advertising board.
B 12	Airport	Terminal building, satellite building, cargo-terminal & warehouse, air- traffic control tower, contact pier, passenger loading-bridge, baggage handling system, aircraft/helicopter hangars, rescue and firefighting services building, administrative & commercial buildings and other airport related buildings.
B 13	Specialised formworks for concrete	Sleepform to building works
B 14	Asbestos handling	All building works including demolition and construction where asbestos is used for insulation and coating.

## (b) Civil Engineering Construction Works

REFERENCE	AREAS OF SPECIALISATION	DESCRIPTION
CE 01	Road and pavement construction	Construction of road and road reinstatement, pavement, bus bays, open car park and related works.
CE 02	Bridge construction	Construction of concrete, masonry, timber and steel bridges.
CE 03	Marine structure	Construction of marine structure including jetty, port, wharf, harbour, sea and river wall and outwall.
CE 04	Water retaining structure	Construction of water retaining structure including dam, reservoir, aquaduct, treatment plant, and pipe laying works.
CE 05	Tunnelling and underpinning	Tunnelling and underpinning works.
CE 06	Irrigation and flood control system	Dredging in canal, river and offshore works, irrigation equipment, filter, pump, water treatment and flood control works/ equipment.
CE 07	Railway track	Installation of railway track, destressing of rail, and track railway signaling.
CE 08	Slope protection system	Slope protection works.
CE 09	Oil and gas pipeline	Installation, maintenance and repair of oil and gas pipeline.
CE 10	Piling and diaphragm walling	Installation of all types of piling-sheet piles, piling-steel piles, driven precast reinforced and prestressed concrete piles; bored-cast in situ piles and timber pile including other patented piling systems and diaphragm walling works.
CE 11	Concrete and construction repairs	Specialisation in works of various construction repairs, refurbishment and reinstatement works including pressure grouting and guniting.
CE 12	Geotechnical investigation	Works include sampling, investigation and testing services to determine physical and chemical characteristics of soil, strength and composition, soil stabilisation works including micro piling, ground

		anchoring, sand drain and ground
		grouting.
CE 13	Signcraft installation	Installation of integrated sign posting
	Signeral installation	system for complexes, airports,
		shopping centers, including setting
		up of exhibition stand and advertising
		board.
CE 14	Landscaping	Provision of landscaping works
	1 3	including tree planting and turfing.
CE 15	Offshore construction	Offshore construction and related
		works.
CE 16	Underwater construction	Underwater construction works.
CE 17	Airport	Taxiway, runway, apron, aircraft
		parking bay, track transit system,
		automatic landing system, road
		network, carpark, pipeline works and
		other airport related civil engineering
0= 40		works.
CE 18	Reclamation works	Reclamation works including landfill.
CE 19	Sewerage works	Sewerage and related works,
		including installation, testing,
		commissioning, maintenance and repair of plumbing and drainage
		repair of plumbing and drainage system.
CE 20	Water supply works	Water supply network works,
		installation, testing, commissioning,
		maintenance and repair of domestic
		and other water supply systems,
		including pump, piping, valve, riser,
		sprinkler.
CE 21	General civil	General civil engineering works
	engineering works	including earthwork, subsoil drainage
		and drain works.
CE 22	Specialised formwork for	Sleepform to civil engineering works.
	concrete	

## (c) Mechanical and Electrical Works

REFERENCE	AREAS OF SPECIALISATIO N	DESCRIPTION
M 01	Air conditioning and ventilation system	Installation, testing, commissioning, maintenance and repairs of air- conditioning, refrigeration, cold room, ventilation system and chiller plants used for air-conditioning systems.
M 02	Fire prevention and protection system	Installation, testing, commissioning, maintenance and repairs of fire fighting equipment, including pump, piping, hose heel, landing valve, wet and dry riser, alarm, smoke/heat detector, sprinkler, for prevention and protection.
M 03	Lift and escalator.	Installation, testing, commissioning, maintenance and repairs of lift, escalator, travellator, conveyor system and cranes fixed on top of building such as control tower.
M 04	Workshop, mill, quarry system	Installation, testing, commissioning, maintenance and repairs of workshop, mill, quarry systems, crushing and screening plant, asphalt mixing plant, materials and handling plant.
M 05	Medical equipment	Installation, testing, commissioning, maintenance and repairs of medical equipment including, compressed air system, hot water installation, sterilizer and autoclave, medical gas installation, hydrotherapy system, dental chair and mortuary refrigerator.
M 06	Kitchen and laundry equipment	Installation, testing, commissioning, maintenance and repairs of cooking, kitchen, and laundry equipment.
M 07	Heat recovery system	Installation, testing, commissioning, maintenance and repairs of boiler plant, heat exchanger, absorption chiller, unfired pressure vessel, hot water and gas system.
M 08	Compressor and generator	Installation, testing, commissioning, maintenance and repairs of centrifugal compressor, reciprocating compressor, pipeline valves, blowers, liquid ring

		compressor oil or ges turbing concreter
		compressor, oil or gas turbine generator, steam generator, diesel generator, solar photovoltaic, water turbine generator and hybrid system.
M 09	Chiller for power generation	Installation, testing, commissioning, maintenance and repairs of gas turbine driven chiller, steam turbine driven chiller, centrifugal chiller and chiller plants used for air-conditioning systems.
M 10	Specialized fabrication and treatment	Erection, testing, commissioning, maintenance and repairs of exhaust stock, tank, reactor, separator, filter, scrubber, dehydrator, evaporator, piping furnace, grit blasting and painting, hot and cold insulation, flare system, bearing and welding.
M 11	Specialized plant	Erection, testing, commissioning, maintenance and repairs of compressor station, metering station, onshore terminal station, cogeneration plant, gas processing plant, LPG, petrochemical plant, oil refinery, aviation refuelling and defuelling system, petrol station, heating, ventilation and air conditioning.
M 12	Drilling rig	Erection, testing, commissioning, maintenance and repairs of offshore rig (Jack-up tender assisted, drill ship, self contained/platform rig, semi-submersible) onshore rig, conventional workover rig and swamp barge.
M 13	Pollution control plant system	Installation, testing, commissioning, maintenance and repairs of landfill technology, incinerator and oil separators.
M 14	Miscellaneous mechanical equipment	Installation, testing commissioning, maintenance and repairs of mechanical based systems including pumping installation, sewerage treatment plant installation, rotary pump, reciprocating pump, centrifugal pump, special purpose pump, filter, irrigation equipment and mechanical water treatment equipment.
M 15	Plumbing works	Installation, testing, commissioning, maintenance and repairs of domestic water, waste water and LPS gas systems.
E 01	Sound system	Public address system, audio visual system, conference system, intercom

		system and MATV.
E 02	Security, safety and surveillance system	Installation, testing, commissioning, maintenance and repairs of security, safety and surveillance systems including security alarm, car park security control and card access control systems, CCTV, sensor/detection systems, vibration monitoring system, gas protection system, platform alarm system, aircraft warning system, fire protection system, earthing and lightning protection.
E 03	Building automation system, energy generation system and building management and maintenance system	Building automation control systems, industrial and process control systems including installation, testing, commissioning, maintenance and repairs of microprocessors or computer based building control system and industrial process control system. Installation, testing, commissioning, maintenance and repairs of energy generation systems.
E 04	Low voltage installation	General wiring and control system wiring not exceeding 1 kV. Installation, testing, commissioning, maintenance and repairs of low tension overhead lines and underground cabling not exceeding 1 kV, including installation, testing, commissioning, maintenance and repairs of generating plant and equipment not exceeding 1 kV.
E 05	High voltage installation	Installation, testing, commissioning, maintenance and repairs of high voltage equipment and underground cabling, high tension overhead line including transmission tower exceeding 1 kV and testing, commissioning, maintenance and repairs of generating plant and equipment exceeding 1 kV.
E 06	Specialized lighting system	Installation, testing, commissioning, maintenance and repairs of street lighting, stadium floodlighting, traffic lighting, airfield lighting, high mast lighting, laser system, stage lighting, special effect lighting, platform lighting, petrochemical plant lighting, gas processing plant lighting, oil refinery plant lighting.

E 07	Telecommunica tion installation	Telephone cabling and internal ducting, radio based communicated system, PABX, microwave system, multiplex and signalling, troposcatter system, satellite system, radar surveillance system, data communication equipment, remote subscriber system, vessels and navigational specialized system.
E 08	External telecommunicat ion works	Telecommunication cabling (underground/ overhead), manholes, underground ducting/pipes.
E 09	Miscellaneous specialisation	Installation, testing, commissioning, maintenance and repairs of surgical/operating theatre table and lights, radiography equipment, nurse call system, electronic scoreboard, uninterruptible power supply (UPS) system, passenger boarding bridges, baggage handling systems, instrument landing systems, visual aids and other airport related equipment and systems.