

# **Pakistan Engineering Council**

**REGISTRATION POLICY 2017**

**GUIDELINES FOR**

**NEW, RENEWAL**

**AND**

**UPGRADATION**

**OF**

**CONSTRUCTORS/**

**OPERATORS LICENCE**

**Updated on February 2, 2022**

**GUIDELINES FOR NEW, RENEWAL & UP-GRADATION OF  
CONSTRUCTORS/OPERATORS LICENSE**

**Updated on February 2, 2022**

**1. Authorities of Enrolment Committee (EC) & Enrolment Sub Committee (ESC):**

All cases of new, renewal & up gradation of constructors/operators up to C3 category will be processed and approved at all Regional/Branch Offices through Enrolment Sub Committees (ESC) and at PEC HQ, Islamabad by Central Enrolment Committee (CEC) as per following table.

<b>Sr. #</b>	<b>Description</b>	<b>Category</b>	<b>To be approved by</b>	<b>Remarks</b>
1	New	<ul style="list-style-type: none"><li>• C6/O6 – On Non-Engineer ownership criteria</li><li>• C5/O5-C3/O3-On Engineer ownership criteria</li></ul>	ESC	Cases of relevant provinces except for the cases of Rawalpindi Division, which will be processed at PEC HQ.
2	Renewal	C6/O6 to C3/O3	ESC	
3	Upgradation	Max up to C3	ESC	

However, in case of any misconduct by the Constructor/Operator, the case shall be referred by the ESC, with recommendations, to the Enrolment Committee at PEC HQ for the decision as per PEC Act/Byelaws.

**2. Function/Duties of Enrolment Sub Committee (ESC).**

- a) ESC shall approve the cases of Constructors /Operators of category as per table above.
- b) ESC shall award specialization codes to applications of C-6/O-6 to C-3/O-3 category on the basis of experience of firm supported by engineers of relevant discipline employed by the firm. In case of no experience of firm in relevant field, code shall be awarded on the basis of relevant experience of engineer. The experience certificate issued by the firm will be provided by engineer supported by work/project awarded to the firm.
- c) Any penalty to be imposed on constructor/operator in any category in case of misconduct like submission of fake/forged documents etc. ESC shall forward recommendation to Central Enrolment Committee for decision.
- d) ESC may issue duplicate licence on the request of the firm after fulfillment of requirement by the constructor/ operator i.e. copy of FIR, undertaking and advertisement in any newspaper.
- e) Renewal & upgradation applications received in Regional/Branch/Liaison Offices for category C-2/O-2 to C-A /O-A shall be forwarded to PEC HQ, Islamabad for approval.
- f) Meeting of ESC will be held twice a week at Regional/Branch Offices on every Tuesday & Friday respectively.

- g) The quorum of ESC will be 30%. The Deputy Convener or senior most person will chair the meeting in the absence of convener.
- h) Any complaint against the decision of Enrolment Sub Committee shall be considered/reviewed by the Central Enrolment Committee at PEC HQ, Islamabad.

Ref: Amended and updated as per decision of 36<sup>th</sup> Governing Body meeting held on December 30, 2019.

### **3 Abolishment of Registration on Financial Soundness:**

- a. New Registration/up-gradation of the firms on the basis of Net-Worth has been abolished with immediate effect.
- b. Applications received till date i.e. February 2, 2022, for new registration/up-gradation on the basis of Net-Worth will be processed under previously approved provisions and criteria prescribed in Table-A, B, C & D of Construction and Operation of Engineering Works Byelaws-1987 (Amended up to May 29, 2018).
- c. The Firms previously registered/up-gradation on Net Worth basis will fulfill the criteria described in Table-A, B, C & D of Construction and Operation of Engineering Works Byelaws-1987 when apply for renewal.
- d. Upgradation will be carried out on performance based i.e. execution of engineering works and its satisfactory performance as per existing registration policy.
- e. Foreign Firm will have to satisfy the requirement of Financial Soundness (Paid-up Capital & Net-Worth) as per Table C & D.

### **4. Engineer's Owned Firms:**

- a. New registration/up-gradation will be granted to engineers (PE/RE) with 100% ownership only and it should be restricted up to C-3/O-3 category as detail under:

Engineer having experience upto 5 Years	Category C-5/O-5
Engineer having experience more than 5 years upto 10 years	Category C-4/O-4
Engineer having experience more than 10 years	Category C-3/O-3

- b. Engineer own firm desiring new registration/up-gradation in C-5/O-5 to C-3/O-3 category will deposit registration fee of respective category.
- c. The ownership of engineer based firms/licence shall not be transferable however, can be transferred to his legal heirs or another engineer of same experience (for one time only) and fulfilling the requirement of respective category.

Note: In order to facilitate constructors/operators desiring new registration in C-6/O-6 category, following requisite must be ensured:-

- i. Requisite fee (Rs. 15000/-)
- ii. Completion of PCPs
- iii. NTN in the name of owner/sole proprietor/firm

Ref: Added as per decision of 43<sup>rd</sup> Governing Body meeting held on February 2, 2022.

#### **4A. Regulation of Engineer Owned/Shared Firm/Company to Avoid Exploitation of the Policy**

The policy for engineer(s) owned/shared Constructor/Operator firms/companies was introduced to inculcate and encourage entrepreneurship among engineers. But this policy was exploited and misused over a period of time by depicting engineers as partners in paper formality only against the compensation of lump sum amounts. In order to arrest the tendency, GB took the following decisions:-

- a. Such firms/companies which get their initial registration on the basis of engineer owner/partnership, can replace that engineer with another engineer of equal experience but it will be allowed for one time only. Thereafter, the firm/ company shall be closed, if the said partner is left or removed from the firm/company.
- b. If a firm/company is upgraded on the basis of engineer ownership/ partnership/shareholding and that engineer quits or removed from the partnership then the said firm/ company shall be placed in that category which it was holding prior to up-gradation. Such firm/company can apply for upgradation again on the basis of another engineer partnership/shareholding yet only for one time. In case, the new incumbent engineer also decides to quit or is removed from the firm/company, its category shall be on its original position. No further opportunity shall be allowed to such companies/firms to apply for upgradation on engineer partnership basis.
- c. In case a firm is upgraded on partnership/shareholding of engineer and further upgraded on works or net worth basis then such firm will be one step downgraded whenever the engineer partner quits or is removed from it.
- d. In case a firm is registered/upgraded on the basis of an engineer and that engineer expires/becomes incapacitated then legal heirs of that engineer will own the partnership share of said engineer, without any change in its category. The firm will, however, become non-engineer owned/shared entity. In case of no legal heirs or on quitting/removal thereof at later stage, the firm will be downgraded by one category.

Ref: Amended and updated as per decision of 36<sup>th</sup> Governing Body meeting held on December 30, 2019.

#### **5. Renewal of Licence:**

- i. A firm may apply for issuance of renewal of PEC license for one year to three year. It is subject to deposit of fee for number of years. In case of renewal more than a year, owner will submit undertaking on 1st July of every financial year at PEC HQ, Islamabad as per Annex- A:

- (a) Apply online.
- (b) Return Original PEC Licence.
- (c) Biometric Re-verification of all engineers (Except Engineer Owner/Partner/Shareholder)
- (d) Employment of requisite number of Trainee Engineers for the relevant categories as mentioned in Table A & B.

- ii. Addition of codes requested by the firm in any category shall be approved by the ESC and CEC in different categories as per their powers on the basis of firm or engineer's relevant experience as per **Annex-"D"**.
- iii. The firm shall submit an undertaking as per format attached at **Annex-"A"** for the correctness of documents attached in the application.

## 6. Up-gradation of Licence:

- i. The companies in any Category shall be eligible for up-gradation to any higher category on performance based criteria if they fulfill any of the following conditions:
  - (a) **Executed/In Hand Projects:**
    - 1) Work(s) should have been awarded/ executed during last three years from the date of submission of online application.
    - 2) The firm should have completed minimum 60% of work.
    - 3) For one step up-gradation, in addition to other codal formalities, the accumulative financial worth of above mentioned work(s) should be minimum 70% of the existing category limit.
    - 4) For more than one step up-gradation, in addition to other codal formalities, the worth of accumulative works should be at least 70% of limit of one category below the desired category.
    - 5) The firm shall submit following documents for up-gradation on the basis of work executed/ in hand pertaining to public departments:-
      - a) Work Order(s) of the project(s).
      - b) Satisfactory Performance Certificates as per specimen **Annex-"B"**, showing minimum 60% completion of each work, duly signed and stamped by concerned department and the firm's owner.
      - c) The work order(s) once taken into account for up-gradation of a firm's license shall not be re-considered for further up-gradation.
      - d) The firm applying for up gradation in C-3/O-3 category and above will be exempted from SECP registration.

**(b) Engineer Owned / Shared Firm**

Such firms can be upgraded upto C-3/O-3 category according to length of engineer's experience as given in Guidelines para 4(a). For up-gradation of engineer owned firms beyond C-3/O-3 category, the firms will be treated like non-engineer owned firms.

➤ **Allied Conditions**

**1) Employment of Engineers and PCPs**

Except for Engineer owned/shared firms, up-gradation requirement for employment of engineers and PCPs will be as per Table A & B of Guidelines-2017. Up-gradation of engineer owned firm beyond C-3/O-3 category will be handled like non-engineer owned firms.

**2) Fee**

Engineer owned/shared firm will be charged with single fee of desired category upto C-3/O-3. For up-gradation beyond this category, such firms will be charged with the fee on the same lines as for ordinary/ non-engineer owned firms.

Fee for ordinary/non- engineer owned firm will be as under:

- (a) One step up-gradation: Single fee of desired category.
- (b) Two step up-gradation: 2 times fee of desired category.
- (c) 3-step and above up-gradation: 3 times fee of desired category.

Ref: Amended and updated as per decision of 32<sup>nd</sup> Governing Body meeting held on September 4, 2018.

**7. Awarding Specialized Codes:**

Specialization codes will be awarded by the CEC / ESC on the basis of relevant works executed by the firm as JV with another firm registered with PEC and also holding relevant codes with valid PEC licence, supported by engineer of relevant field employed by the firm or on the basis of engineer's experience on Nationally & Internationally known projects. The experience will be certified by a company registered with PEC owning the projects or engineer retired from Govt. Department, duly supported with his/her CV signed in original.

**8. Consideration of Works in Private Sector or Sub-let work:**

All works carried out by the firm whether in JV, assigned by private employer or of sublet nature will be taken into consideration. These works should be supported with following papers/ documents:-

- i. Copy of Contract/ agreement between employer / Prime contractor and the firm.
- ii. Performance Certificate duly verified by employer or consultant engaged with the project.
- iii. Evidence of payments through copies of firm's invoices/ employer cheques linked with bank statement.

**Note:** The prime contractor and sub-contractor or JV partners will get benefit of corresponding portion of their executed work.

- iv. 100% financial value of each work (completed upto minimum 60%), will be taken into account while calculating the worth of executed/in hand works.
- v. The work order(s) once taken into account for up-gradation of a firm's license shall not be re-considered for further up-gradation.

Ref: Amended and updated as per decision of 32<sup>nd</sup> Governing Body meeting held on September 4, 2018.

## **9. Verification of Engineers:**

Engineer's verification will be carried out through biometric system installed at all PEC offices. The verification of engineers can be made by PEC during the validity of license. On receipt of complaints, an enquiry committee will be constituted by the Chairman/Enrolment Committee from time to time to ascertain the presence of engineers for execution/assurance of quality work. Engineer(s) being Owner/Shareholder/Partner/Director of construction/operating firms will be exempted from physical/personal appearance subject to prior permission of Enrolment Committee.

## **9A. Exemption of Biometric Verification to Engineers with Illegible Finger Prints:**

Engineer's verification will be carried out through biometric system installed at all PEC offices. In case, engineers' finger prints are not machine readable, then, after refreshing /updating the finger prints record of the said engineer from NADRA, duly supported with its written statement, and after confirmation of the engineer's CNIC particulars, he/she will be exempted from biometric verification and verified physically by Verification Officer (VO) nominated by PEC at its HQ and at each Regional Office.

The firm will be required to submit an affidavit on stamp paper signed by engineer and owner of the firm regarding his employment with the firm. The verification of engineers can be made by PEC during the validity of license. On receipt of complaints, an enquiry committee will be constituted by the Chairman/Enrolment Committee from time to time to ascertain the presence of engineers for execution/assurance of quality work. Engineer(s) being Owner/Shareholder/Partner/Director of

construction/operating firms will be exempted from physical/personal appearance subject to prior permission of Enrolment Committee.

Ref: Added as per decision of 33<sup>rd</sup> Governing Body meeting held on November 18, 2018.

**9A1. Single Opportunity to an Engineer for Employment with Constructor/ Operator Firms/ Companies:**

An engineer will get only one opportunity of employment (maximum upto three years) with Constructors/Operators firms/companies in a financial year. On his/her resignation/removal, he/she will not be allowed to get another opportunity during that year to seek further employments in any Constructor /Operator company/firm enabling other engineers to hire the opportunity of employment as well as field experience.

Ref: Added as per decision of 36<sup>th</sup> Governing Body meeting held on December 30, 2019.

**9A2. PAKISTAN ORIGIN CARD (POC) HOLDING ENGINEERS AND THEIR VERIFICATION**

POC Card holding engineers are considered as Pakistani national and their employment verification will be carried out through manual system by Verification Officer nominated by the PEC.

Ref: Added as per decision of 32<sup>nd</sup> Governing Body meeting held on September 24, 2018.

**10. Duplicate License:**

Submission of original licence by the firm will be mandatory at the time of renewal / up-gradation. However, in the event of loss of original licence, it can be exempted or “DUPLICATE” copy of licence will be issued. If the following documents are submitted:

- (a) Copy of FIR with Police Station.
- (b) Undertaking that the original licence has been lost.
- (c) Advertisement in any newspaper regarding loss of original license. A duplicate copy of licence shall be issued for the remaining period of licence/exempted from submission for renewal/upgradation.

**11. Dispatch of Licence through Courier Service:**

All licenses will be dispatched through courier service, provided such service is available at the given address of the firm. Information/confirmation of courier service in the respective area shall be provided by Constructor/Operator while filling the online application. The license can be collected by the owner /shareholder/partner himself/herself after verification through Bio-metric system.

**12. Authenticity of information / documents:**

The owner (s) of firm or company shall be responsible for submitting authenticated information and documents along with application for registration, renewal or up-gradation of their licence and will



provide undertaking that all information and documents provided is genuine and in case of fake documents or incorrect information, legal action will be initiated as per PEC byelaws.

### 13. **Employment of Trainee Engineer(s)**

In order to give experience of construction industry to fresh engineering graduates, graduated two years prior the date of submission of on line application to PEC, it will be mandatory for firms of categories C-2/O-2, C-1/O-1, C-B/O-B & C-A/O-A to employ trainee engineer(s) as described in **Table A** and **B**.

### 14. **Fee table for new registration (Engineer's Owned Firms)**

i. Fee table (In Rupees) for new registration in category C-6 and above

Category	C-6	C-5	C-4	C-3
Fee	15,000	30,000	45,000	75,000

ii. Fee table (In Rupees) for new registration in category O-6 and above

Category	O-6	O-5	O-4	O-3
Fee	15,000	30,000	45,000	75,000

### 15. **Fee criteria for up-gradation for Constructors/Operators firm (Local & Foreign Firms):**

Following fee criteria shall be observed for up-gradation of the category of licence besides fulfillment of requirements laid down in PEC bye-laws, namely:

- a. One step up - fee of desired category;
- b. Two steps up - 2 times of desired category;
- c. Three steps and onward - 3 times of desired category;

i. Fee table for up-gradation (Constructors) (In Rupees).

Category To→ ↓From	C-6	C-5	C-4	C-3	C-2	C-1	C-B	C-A
C-6	15,000	45,000	105,000	240,000	390,000	465,000	765,000	1,215,000
C-5	-	30,000	75,000	180,000	405,000	405,000	780,000	1,230,000
C-4	-	-	45,000	120,000	295,000	495,000	795,000	1,245,000
C-3	-	-	-	75,000	200,000	375,000	825,000	1,275,000
C-2	-	-	-	-	125,000	275,000	625,000	1,325,000
C-1	-	-	-	-	-	150,000	400,000	950,000
C-B	-	-	-	-	-	-	250,000	650,000
C-A	-	-	-	-	-	-	-	400,000

ii. Fee table for up-gradation (Operators) (In Rupees)

Category To→ ↓From	O-6	O-5	O-4	O-3	O-2	O-1	O-B	O-A
O-6	15,000	45,000	105,000	240,000	390,000	465,000	765,000	1,215,000
O-5	-	30,000	75,000	180,000	405,000	405,000	780,000	1,230,000
O-4	-	-	45,000	120,000	295,000	495,000	795,000	1,245,000
O-3	-	-	-	75,000	200,000	375,000	825,000	1,275,000
O-2	-	-	-	-	125,000	275,000	625,000	1,325,000
O-1	-	-	-	-	-	150,000	400,000	950,000
O-B	-	-	-	-	-	-	250,000	650,000
O-A	-	-	-	-	-	-	-	400,000

16. Registration of Foreign firms with PEC (FC-1/FO-1 and above)

- i. Foreign Firms / Companies desire registration with PEC shall have to provide copies of their brochure and completed work duly verified by Pakistani Embassy of relevant country and submission of documents as per check list attached at **Annex-“C”**.
- ii. Foreign firm will be considered for registration which is fully owned by one or more foreign nationals having minimum 51% shares and registered with the Securities and Exchange Commission of Pakistan (SECP) and having minimum 70% of its engineering staff from Pakistan.
- iii. Foreign firm shall have to enter into joint venture with Pakistani firm of equivalent/ compatible category and submit the same to the employer before participating in bidding.
- iv. The requirements of PCPs and fee etc. for foreign firms will be as per **Table C & D**.

## 18. Penalties

Besides the provisions stated in the PEC Construction & Operation of engineering works Byelaws 1987, following penalties will be imposed:-

<b>S.#</b>	<b>Nature of misconduct</b>	<b>Penalty to be Imposed</b>
a.	In case, a firm obtained and executed work (s): a. Without having PEC license of appropriate category b. Without having valid PEC licence. c. beyond the limit of its license. d. without engineers and completion of PCPs.	A fine amounting to three times of the fee for the category applied for new registration.
b.	In case a firm submits an incorrect/fake affidavit of engineer to PEC.	The firm will be suspended and given opportunity of personal hearing to defend his status/position and as a consequence will be either de-registered for six [6] months to maximum three [3] years/issued Warning/restored the suspension as decided by the Enrolment Committee.
c.	In case a firm submits fake/tampered PEC Licence to a client/PEC.	-do-
d.	In case a firm submits fake/forged/incorrect work order (s) or performance certificate/report to PEC.	In addition to above, if Enrolment Committee considers FIR may also be lodged against the owner/firm.
e.	Any other misconduct.	As decided by the Central Enrolment Committee, on case to case basis under the provisions of PEC Act and Byelaws.

TABLE 'A'  
CONSTRUCTOR'S CATEGORIES

Constructor's Category	Limit of Construction cost of project (million rupees)	Minimum requirement of professional credit points (PCPs)	Minimum requirement of Engineers
C-A	No limit	200	Two Professional Engineers (P.E) each having a minimum twenty years of work experience and Registered Engineers (R.E), out of which at least five R.Es to be employed as Trainee Engineers.
C-B	Up to 4000	120	Two Professional Engineers (P.E) each having a minimum fifteen years of work experience and Registered Engineers (R.E), out of which at least three R.Es to be employed as Trainee Engineers.
C-1	Up to 2500	90	Two Professional Engineers (P.E) each having a minimum ten years of work experience and Registered Engineers (R.E), out of which at least two R.Es to be employed as Trainee Engineers.
C-2	Up to 1000	35	One Professional Engineer (P.E) and Registered Engineers (R.E), out of which at least one R.E to be employed as Trainee Engineer.
C-3	Up to 500	20	Fifty percent Registered Engineers.
C-4	Up to 200	15	Fifty percent Registered Engineers.
C-5	Up to 65	5	One Registered Engineer.
C-6	Up to 25	5	One Registered Engineer.

TABLE 'B'  
OPERATOR'S CATEGORIES

Operator's Category	Limit of capital cost of project (million rupees)	Minimum requirement of professional credit points (PCPs)	Minimum requirement of engineers
O-A	No limit	150	Two Professional Engineers (P.E) each having a minimum twenty years of work experience and Registered Engineers (R.E), out of which at least five R.Es to be employed as Trainee Engineers.
O-B	Up to 2000	100	Two Professional Engineers (P.E) each having a minimum fifteen years of work experience and Registered Engineers (R.E), out of which at least three R.Es to be employed as Trainee Engineers.
O-1	Up to 1000	75	Two Professional Engineers (P.E) each having a minimum ten years of work experience and Registered Engineers (R.E), out of which at least two R.Es to be employed as Trainee Engineers.
O-2	Up to 500	35	One Professional Engineer and Registered Engineers (R.E), out of which at least one R.E to be employed as Trainee Engineer.
O-3	Up to 200	20	Fifty percent Registered Engineers (R.E).
O-4	Up to 100	15	Fifty percent Registered Engineers (R.E).
O-5	Up to 30	5	One Registered Engineer (R.E).
O-6	Up to 20	5	One Registered Engineer (R.E).

**TABLE 'C'**  
**Foreign Constructors**

Constructor's Category	Limit of Construction cost of project (million US\$)	Financial Soundness (million US\$)		Minimum number of RE as trainee engineer	Requirement at the time of Issuance of Provisional License		Balance to be fulfilled at the time of Issuance of Standard License	
		Paid-up Capital	Net Worth		PCPs (50 %)	Fee (US\$) (50%)	PCPs (50 %)	Fee (US\$) (50%)
FC-A	No limit	1.5	120	5	100	12,000	100	12,000
FC-B	Up to 40	1	75	3	60	6,000	60	6,000
FC-1	Up to 25	0.8	30	2	45	5,000	45	5,000

**TABLE 'D'**  
**Foreign Operators**

Operator's Category	Limit of capital cost of project (million US\$)	Financial Soundness (million US\$)		Minimum number of RE as trainee engineer	Requirement at the time of Issuance of Provisional License		Balance to be fulfilled at the time of Issuance of Standard License	
		Paid-up Capital	Net Worth		PCPs (50 %)	Fee (US\$) (50%)	PCPs (50 %)	Fee (US\$) (50%)
FO-A	No limit	1.5	120	5	100	12,000	100	12,000
FO-B	Up to 40	1	75	3	60	6,000	60	6,000
FO-1	Up to 25	0.8	30	2	45	5,000	45	5,000

**1. Restoration of 30% JV of Pakistani Firms with Foreign Firms**

*Governing Body approved the amendment i.e. Pakistani firm will have minimum 30% shares in Joint Venture (JV) with foreign firm of equivalent/compatible category.*

**2. Issuance of Provisional and Standard Licence to Foreign Firms and its Renewal**

- a. *Governing Body approved 50% fee at the time of applying for "Provisional Licence" along with 50% of PCPs. However, they will apply for "Standard Licence" with balance amount of fee & completion of PCPs of respective category before start of work/project in JV with Pakistani firm.*
- b. *If a foreign firm in JV with Pakistani firm has not obtained any work with "Provisional Licence", they will have to apply for renewal of "Provisional Licence" after its expiry, till the firm obtains any project/ work in JV with Pakistani firm of appropriate category.*
- c. *Each "Provisional Licence" will carry remarks/ stamp stating "Only for Bidding".*

**UNDERTAKING BY CEO/ CHAIRMAN/ MANAGING PARTNER OR DIRECTOR**

*(Submit in original on firm/company’s Letterhead)*

I .....CNIC No. ...., adult, do hereby solemnly declare as under:-

1. The information and documents/papers provided/uploaded are correct and accurate to the best of my knowledge and belief and nothing has been concealed.
2. The name of my firm is not struck off or black-listed from any department.
3. There is no litigation in the Court or any other department (i.e. Public/Private) against the firm.
4. The firm has not been declared bankrupt.
5. I shall abide by the provisions of PEC Act 1976 and Construction & Operation of Engineering Works Bye-Laws 1987, as amended from time to time, and any other direction issued by the Pakistan Engineering Council on the functioning of this firm.
6. I shall be responsible if any information, document, or paper submitted by me is found incorrect, fake, or forged.
7. I shall inform the council within a week if any of the engineer(s) **as per the attached list** leaves the firm.
8. I have paid the monthly salary to previously employed engineer(s) with this company.
9. I shall pay the monthly salary to the engineer(s) employed with this company.
10. I shall inform the council about any such event taking place after the grant of license, which renders our firm ineligible for continuation of license, reduction in the category, suspension, or cancellation of the license as per Bye-laws 8(2).
11. I shall be liable to punitive action taken by PEC in event of misconduct committed on behalf of the firm.

Company’s Seal:- \_\_\_\_\_

Signature:- \_\_\_\_\_

Date:- \_\_\_\_\_

Name:- \_\_\_\_\_

**Note:** Enclosed list of engineering staff as per format below (on letterhead):-

S.#	Regn No	Name of Engineer	Year of Graduation	Employee / Supervisory Engineer	Date of Appointment	Employed Up to
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**PERFORMANCE CERTIFICATE**  
(For works executed during last three years)

NAME OF FIRM: \_\_\_\_\_

PEC CATEGORY WITH REG # \_\_\_\_\_ NTN NO. \_\_\_\_\_

NAME OF EMPLOYER (DEPARTMENT/ PRIVATE ORGANIZATION/ INDIVIDUAL) WITH ADDRESS:  
\_\_\_\_\_

NAME OF CONSULTANT: \_\_\_\_\_

Sr.#	Work Order/ Contract No. & date	Name of Project	Original Contract Value (Rs) in millions	Work Executed		Work Completion Percentage, if Work is in Hand
				Starting Date	Actual Completion date, if work completed	
1.						
2.						
<b>Total:-</b>						

VALUE OF WORK DONE UP TO LATEST BILL: \_\_\_\_\_

Employer's remarks on the quality of work executed:  
\_\_\_\_\_  
\_\_\_\_\_**To be filled by Contractor**

Name of Owner/Shareholder: \_\_\_\_\_

Mobile No: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

**To be filled by Employer/Department**

Name &amp; designation of employer : \_\_\_\_\_

Tele No: \_\_\_\_\_

Mobile No: \_\_\_\_\_

Date: \_\_\_\_\_

Address:- \_\_\_\_\_

Signature: \_\_\_\_\_

Company seal/stamp

Official seal/stamp





**LIST OF DOCUMENTS FOR NEW/RENEWAL OF REGISTRATION OF FOREIGN FIRMS**

	<b>Documents to be Submitted along with duly filled Application Form in CAPITAL Letters</b>	<b>Tick (✓)</b>	
		Yes	No
1.	<b>Original Fee payment voucher;</b> a. On-line MCB Bank account: 0685583041005497 (Branch code 0069) b. On-line HBL Bank account: 00427901578 603 (Branch code 0602) c. Payment through Demand Draft or Pay Order is not acceptable.		
2.	Company's brochure OR company's profile duly verified by Pakistani Embassy of relevant country OR Relevant country's embassy in Pakistan (not required in case of Renewal)		
3.	Financial Statement of Company for last year duly translated in English duly verified by a registered Chartered Accountant company.		
4.	SECP Documents (Certificate of incorporation Article of Association, Memorandum of Association Form-29 or 38 to 43) if required (In case of Renewal, these documents are required if there is any change in ownership)		
5.	Copy of Passports of Owner/Shareholders/CEO attested by the High Commissioner of Pakistan/concerned Country.		
6.	Authority letter of authorized person in Pakistan to deal with PEC		
7.	<b>Documents for local / foreign engineers employed with the firm</b> <b>For Pakistani Engineers</b> a) Copy of appointment letter duly signed by employer and engineer employed. b) Detailed CV duly signed by Engineer(s) in original. c) Biometric verification at any of PEC office. d) Copy of Computerized National Identity Card / Passport No. e) Copy of PEC Registration Card (Renewed) <b>For Foreign Engineers</b> a) Passport Copy of Engineers b) Valid Temporary licenses c) Personal appearance of Engineer(s)		
8.	Organizational Chart of the firm showing chain of command duly signed by CEO / shareholder / partner.		

# **CODES DETAIL**

## Specialization Codes

### • CE02 (Bridge Structures, Piling )

#### Bridge Structures, Piling

- **CE02(i) (Bridge Structures)**  
Construction of concrete, masonry, timber or steel bridges
- **CE02(ii) (Piling)**  
Piling
- **CE02(iii) (Steel Bridges Only)**  
Steel Bridges Only
- **CE02(iv) (Small Canal Bridges only)**  
Small Canal Bridges only
- **CE02(v) (Canal Bridges only)**  
Canal Bridges only
- **CE02(vi) (Suspension Bridge only)**  
Suspension Bridge only
- **CE02(vii) (Pedestrian Bridge only)**  
Pedestrian Bridge only
- **CE02(viii) (RCC Bridge)**  
RCC Bridge
- **CE02(XII) (Railway Bridge)**  
Railway Bridge
- **CE02(IX) (Culvert)**  
Culvert
- **CE02(X) (RCC Pile Foundation)**  
RCC Pile Foundation
- **CE02(XI) (Pre-stressed Bridge)**  
Pre-stressed Bridge
- **CE02(xii) (Small Bridges)**

## • **CE03 (Marine Structures, Dredging, Underwater Works )**

Marine Structures, Dredging, Underwater Works

- **CE03(i) (Marine Structures Dredging )**

Construction of marine structure such as jetties, ports, wharves, harbors, sea and river walls offshore construction works etc.

- **CE03(ii) (Underwater Works)**

Underwater construction works and maintenance of underwater construction works

- **CE03(iii) (Dredging)**

Dredging

## • **CE04 (Dams/Water Retaining Structures and Irrigation & Flood Control Systems)**

Dams / Water Retaining Structures, Irrigation & Flood Control Systems

- **CE04(i) (Dams/Water Retaining Structures)**

Construction of water retaining structure such as dams, reservoirs, aqueducts, treatment plants, pipe laying works etc

- **CE04(ii) (Irrigation & Flood Control Systems)**

Irrigation & Flood Control Systems

- **CE04(iii) (Dams only)**

Dams only

- **CE04(iv) (Water Retaining Structures)**

Water Retaining Structures

- **CE04(v) (Irrigation Only)**

Irrigation Only

- **CE04(vii) (Flood Control Systems Only)**

Flood Control Systems Only

- **CE04(vi) (Small Dams Only)**

Small Dams Only

- **CE04(viii) (Irrigation except Dam)**

Irrigation except Dam

- **CE04(viv) (Small Dams)**

- **CE05 (Offshore Works)**

Offshore construction works including related works

- **CE06 (Tunneling and underpinning)**

Tunneling and underpinning works

- **CE06(i) (Tunneling Only)**

Tunneling Only

- **CE06(ii) (Underpinning Only)**

Underpinning Only

- **CE07 (Railways Tracks)**

Installation of railway tracks, distressing of rails and tracks

- **CE08 (Oil and Gas Pipe Lines)**

Installation, maintenance and repair of oil and gas pipelines

- **CE09 (Sewerage Works and Water Supply )**

Sewerage Works, Water Supply

- **CE09(i) (Sewerage Works)**

Sewerage pipelines, disposal works, sewerage treatment works and allied works

- **CE09(ii) (Water Supply)**

Installation, maintenance and repair of water supply pipelines, pumping stations, tube wells, water treatment works etc

- **CE10 (General Civil Engineering Works, Slope Protection System, Concrete Repairs, Soil Investigation and Stabilization, Landscaping & Horticulture, Reclamation Works, General Buildings and Maintenance, Waterproofing)**

General Civil Engineering Works, Slope Protection System, Concrete Repairs, Soil Investigation and Stabilization, Landscaping & Horticulture, Reclamation Works, General Buildings and Maintenance, Waterproofing

- **CE10(i) (General Civil Engineering Works)**

General civil engineering works, including earthworks, sub-soil drainage, etc

- **CE10(ii) (Slope Protection System)**

Slope protection works

- **CE10(iii) (Concrete Repairs)**

Reinforcement of structures by way of pressure grouting, guniting, etc

- **CE10(iv) (Soil Investigation and Stabilization)**

Services include sampling, investigation and testing services to determine soil classifications, strength and composition. Also includes soil stabilization works such as micro piling, ground anchoring, sand drains and ground grouting

- **CE10(v) (Landscaping & Horticulture)**

Provision of landscaping services including tree planting, turfing, horticulture etc

- **CE10(vi) (Reclamation Works)**

Reclamation works

- **CE10(vii) (General Buildings and Maintenance)**

General building works, including fixing partitions, roofing and general maintenance of buildings

- **CE10(viii) (Waterproofing)**

Water proofing of basement, roofs and walls

- **CE01 (Road and Pavements, Drainage & Retaining Structure, Signcraft Installation)**

Road and Pavements, Drainage & Retaining Structure, Signcraft Installation

- **CE01-(i) (Road and Pavements Drainage & Retaining Structure )**

Construction of road and road reinstatement, pavement, bus bays, open car parks and related works such as kerbs, footways

- **CE01-(ii) (Signcraft Installation)**

Installation of an integrated sign posting system for complexes, airports, shopping centres, etc. Also includes setting up of exhibition stands and road signs

- **CE01(iii) (Airports and Runways)**

Airports and Runways

- **EE11 (General Electrical Works Only)**

General Electrical Works Only

- **EE11(i) (Solar)**

Solar

- **EE11(ii) (Solar Energy)**

Solar Energy

- **EE11(iii) (Solar Energy system)**

Solar Energy system

- **EE11(iv) (General Operational Works only)**

General Operational Works only

○ **EE11(xx) (Operational & Maintenance of Cement Mills)**

Operational & Maintenance of Cement Mills

○ **EE11(v) (General Metallurgy works only)**

General Metallurgy works only

○ **EE11(vi) (General Electrical Works Only)**

General Electrical Works Only

○ **EE11(vi) (Operational Works for Toll Plaza only )**

Operational Works for Toll Plaza only

○ **EE11(vii) (Cathodic Protection Services)**

Cathodic Protection Services

○ **EE11(viii) (Wind and Solar Energy)**

Wind and Solar Energy

○ **EE11(vi) (Solar Installation)**

Solar Installation

○ **EE11(vv) (Installation of Solar Power LED Street Lighting System)**

Installation of Solar Power LED Street Lighting System

○ **EE11(xiii) (FOR OPERATION & MANAGEMENT OF TOLL PLAZAS; WEIGH STATIONS; MOBILE WORKSHOPS; FINE COLLECTION; EMERGENCY CALL RADIO; STREET LIGHT & PLANTATION ONLY)**

FOR OPERATION & MANAGEMENT OF TOLL PLAZAS; WEIGH STATIONS; MOBILE WORKSHOPS; FINE COLLECTION; EMERGENCY CALL RADIO; STREET LIGHT & PLANTATION ONLY

○ **EE11(xiv) (FOR OPERRATION, MANAGEMENT AND MAINTENANCE OF MANUAL / ETTM MOSQUES)**

FOR OPERRATION, MANAGEMENT AND MAINTENANCE OF MANUAL / ETTM MOSQUES

○ **EE11(xvii) (Solar Works)**

Solar Works

○ **EE11(xix) (For renewable energy works only)**

For renewable energy works only

○ **EE11(xxi) (Operation and maintenance of Power Plant)**

Operation and maintenance of Power Plant

○ **EE11(xxii) (Operation and maintenance of Combined Cycle Power Plant)**

Operation and maintenance of Combined Cycle Power Plant

○ **EE11(xxiii) (Operation and Maintenance of Solar System)**

Operation and Maintenance of Solar System

○ **EE11(xxiv) (Digital Signal Processing, Transmission and Surveillance System)**

Digital Signal Processing, Transmission and Surveillance System

○ **EE11(xxv) (Solar Power)**

Solar Power

○ **EE11(viii) (General Electronics Works)**

General Electronics Works

○ **EE11(xv) (General Electrical Operational Works Only)**

General Electrical Operational Works Only

○ **EE11(xvi) (For Power Houses-Electrical Works)**

For Power Houses-Electrical Works

○ **EE11(xvii) (Collection of Development Cess on Coal)**

Collection of Development Cess on Coal

○ **EE11(xviii) (Operation and Maintenance of Hydropower Plant)**

Operation and Maintenance of Hydropower Plant

• **CE11 (General Civil Works)**

General Civil Works

○ **CE11(i) (General engineering Works only )**

General engineering Works only

○ **CE11(iii) (Civil Engineering Tolling & management-For Operational Works)**

Civil Engineering Tolling & management-For Operational Works

○ **CE11(ii) (For Mine Extraction Works Only )**

For Mine Extraction Works Only

○ **CE11(v) (Small Hydra Power Station)**

Small Hydra Power Station

○ **CE11(iv) (FOR LIGHT GAUGE PRE-ENGINEERING GALVANIZED STEEL STRUCTURES ONLY)**

FOR LIGHT GAUGE PRE-ENGINEERING GALVANIZED STEEL STRUCTURES ONLY



- **CE11(vi) (Architectural Engineering Works)**  
Architectural Engineering Works
- **CE11(vii) (Infrastructure Development Works)**  
Infrastructure Development Works
- **CE11(viii) (For Ship Building & General Engineering Works Only)**  
For Ship Building & General Engineering Works Only
- **CE11(ix) (General Building Works)**  
General Building Works
- **C6 (11) (All types of repair/maintenance works. Minor construction works along with allied electrical, mechanical, water supply, sanitary, plumbing works. Minor road works including culverts.)**  
  
All types of repair/maintenance works. Minor construction works along with allied electrical, mechanical, water supply, sanitary, plumbing works. Minor road works including culverts.
- **O6 (11) (All types of operational works. Toll collection, operation and management works)**  
  
All types of operational works. Toll collection, operation and management works
- **C5 (11) (All types of repair/maintenance of civil engineering works. Construction related civil engineering works including allied electrical and mechanical works. Water supply, sanitary, drainage, sewerage and ...)**  
  
All types of repair/maintenance of civil engineering works. Construction related civil engineering works including allied electrical and mechanical works. Water supply, sanitary, drainage, sewerage and...
- **O5 (11) (All types of operational works. Toll collection, operational and management works. Mobile engineering workshop)**  
  
All types of operational works. Toll collection, operational and management works. Mobile engineering workshop
- **BC01 (Prefabricated Buildings and Steel Framed Buildings and Industrial Plants)**  
  
Construction of buildings and industrial plants using prefabricated components and systems. Construction of steel framed buildings and industrial plants. Airports Terminal buildings, Satellite buildings, cargo terminals, air traffic control towers, contact piers, passenger loading bridges
  - **BC01(i) (prefabricated buildings)**  
  
Prefabricated Buildings
  - **BC01(ii) ( Steel Framed Buildings )**  
  
Steel Framed Buildings
  - **BC01(iii) (Industrial Plants)**  
  
Industrial Plants

- **BC02 (Restoration and Conservation)**

- **ME01 (HVAC)**

Installation, Commissioning maintenance and repairs of air conditioning, refrigeration, cold rooms and ventilation system

- **ME02 (Fire Prevention and Protection System)**

Installation and maintenance of fire alarms, prevention and protection systems

- **ME03 (Lifts and Escalators Compressor Generators )**

Lifts and Escalators Compressor Generators

- **ME03(i) (Lifts and Escalators)**

Lifts and Escalators

- **ME03(ii) (Compressor Generators)**

Compressor Generators

- **ME03(iii) (For Lifts & Generators Only)**

For Lifts & Generators Only

- **ME04 (Building Automation System)**

Building Automation System

- **ME05 (Workshop, Mill, Quarry System)**

Workshop, Mill, Quarry System

- **ME05(i) (workshop )**

Workshop, Mill,

- **ME05(ii) (quarry system)**

Quarry System

- **ME06 (Specialized Fabrication and Treatment, Medical Equipment, Kitchen and Laundry Equipment, Heat Recovery System, Pollution Control System, Miscellaneous Mechanical Equipment, Chiller for Power Generation, Specialized Plant)**

Specialized Fabrication and Treatment, Medical Equipment, Kitchen and Laundry Equipment, Heat Recovery System, Pollution Control System, Miscellaneous Mechanical Equipment, Chiller for Power Generation, Specialized Plant

- **ME06(i) (Specialized Fabrication and Treatment)**

Specialized Fabrication and Treatment

- **ME06(ii) (Medical Equipment)**

Medical Equipment

- **ME06(iii) (Kitchen and Laundry Equipment)**

Kitchen and Laundry Equipment

- **ME06(iv) (Heat Recovery System)**

Heat Recovery System

- **ME06(v) (Pollution Control System)**

Pollution Control System

- **ME06(vi) (Miscellaneous Mechanical Equipment)**

Miscellaneous Mechanical Equipment

- **ME06(vii) (Chiller for Power Generation)**

Chiller for Power Generation

- **ME06(viii) (Specialized Plant)**

Specialized Plant

- **EE01 (Sound System)**

Sound System

- **EE02 (Security, Safety Surveillance System)**

Security, Safety Surveillance System

- **EE03 (Building Automation System and Energy Generation System)**

Building Automation System & Energy Generation System

- **EE03(i) (Building Automation System )**

Building Automation System

- **EE03(ii) (Energy Generation System)**

Energy Generation System

- **EE04 (Low Voltage Installation)**

Low Voltage Installation

- **EE05 (High Voltage Installation)**

High Voltage Installation

- **EE06 (Specialized Lighting System)**

Specialized Lighting System

- **EE07 (Telecommunication Installation)**

Telecommunication Installations

- **EE08 (External Telecommunication Works)**

External Telecommunication Works

- **EE09 (IT & Software Engg)**

IT & Software Engg

- **EE10 (Miscellaneous Specialized)**

Miscellaneous Specialized

- **BC04 (General Buildings and Maintenance)**

General Buildings and Maintenance

- **ME07 (General Mechanical Works Only)**

General Mechanical Works Only

- **ME07(XI) (General Mechatronics Works)**

General Mechatronics Works

- **ME07(i) (General Chemical works only)**

General Chemical works only

- **ME07(ii) (General Mining works only)**

General Mining works only

- **ME07(iii) (General Textile works only)**

General Textile works only

- **ME07(iv) (General Metallurgy works only)**

General Metallurgy works only

- **ME07(vi) (General Industrial Works only )**

General Industrial Works only

- **ME07(ix) (TG set)**

TG set

- **ME07(v) (General Mechanical Works only)**

General Mechanical Works only

- **ME07(vi) (Desalination Related Works Only)**

Desalination Related Works Only

- **ME07(VIII) (General Mechanical Operational Works Only)**

General Mechanical Operational Works Only

- **ME07(x) (auto Door & Gates)**

Auto Door & Gates

- **ME07(xii) (Hydro Power Plants)**

Hydro Power Plants

- **BC01 (Prefabricated Buildings and Steel Framed Buildings and Industrial Plants)**

Construction of buildings and industrial plants using prefabricated components and systems. Construction of steel framed buildings and industrial plants. Airports Terminal buildings, Satellite buildings, cargo terminals, air traffic control towers, contact piers, passenger loading bridges

- **BC01(i) (Industrial Plants)**

Industrial Plants

- **BC01(ii) (Steel Framed Buildings)**

Steel Framed Buildings

- **BC01(iii) (Fabricated Buildings)**

Fabricated Buildings

- **BC03 (High Rise Buildings)**

High Rise Buildings

- **BC03(ii) (High Rise Buildings (Up to 10 Story's Only))**

High Rise Buildings (Up to 10 Story's Only)

- **BC03(i) (High Rise Buildings)**

High Rise Buildings

- **EE07 (Telecommunication Installation)**

Telecommunication Installation

- **EE08 (External Telecommunication Works)**

External Telecommunication Works

- **EE09 (IT & Software Engg)**

IT & Software Engg

**BC02 (Restoration and Conservation)**

Restoration and Conservation

**DESCRIPTION AND CRITERIA OF SPECIALIZATION CODES,  
OF CONSTRUCTOR/ OPERATORS**

CODE	SPECIALIZATION	DESCRIPTION	ENGINEER'S CRITERIA	
			Discipline	Experience
CE01	Road and Pavement Drainage & Retaining Structure  Sign craft Installation	Construction of road and road reinstatement, pavement, bus bays, open car parks and related works such as kerbs, footways.  Installation of an integrated sign posting system for complexes, airports, shopping centers, etc. Also includes setting up of exhibition stands and road signs. Airports Taxiways, runways, aprons, aircraft parking bays, baggage handling system, track transit system, etc.	CIVIL/ TRANSPORT	Not required
CE02	Bridge Structures  Piling	Construction of concrete, masonry, timber or steel Bridges.  Installation of all types of piling sheet piles, driven precast reinforced and prestressed concrete piles, bored cast in situ piles and timber piles etc.	CIVIL	Either firm's experience supported with Work Order along with satisfactory Performance Certificate issued by concerned employer/department. <b>OR</b> Engineer's experience supported with Experience Certificate relevant to code issued by the organization/ firm, in whose employment that engineer acquired the experience.
CE03	Marine Structures Dredging  Underwater Works	Construction of marine structure such as jetties, ports, wharves, harbors, sea and river walls offshore construction works etc.  Underwater construction works and maintenance of underwater construction works.	CIVIL	Either firm's experience supported with Work Order along with satisfactory Performance Certificate issued by concerned employer/department. <b>OR</b> Engineer's experience supported with Experience Certificate relevant to code issued by the organization/ firm, in whose employment that engineer acquired the experience.

CE04	Dams/Water Retaining Structures  Irrigation & Flood Control Systems	Construction of water retaining structure such as dams, reservoirs, aqueducts, treatment plants, pipe laying works etc.  Earth work/dredging in canal, river and offshore.	CIVIL/AGRI	<ul style="list-style-type: none"> <li>● CE04 (except Dams) do not require experience.</li> <li>● For CE04(Dams), either firm's experience supported with Work Order along with satisfactory Performance Certificate issued by concerned employer/department.</li> </ul> <p style="text-align: center;"><b>OR</b></p> <p>Engineer's experience supported with Experience Certificate relevant to code issued by the organization/firm, in whose employment that engineer acquired the experience.</p>
CE05	Offshore Works	Offshore construction works including related works.	CIVIL	<p>Either firm's experience supported with Work Order along with satisfactory Performance Certificate issued by concerned employer/department.</p> <p style="text-align: center;"><b>OR</b></p> <p>Engineer's experience supported with Experience Certificate relevant to code issued by the organization/firm, in whose employment that engineer acquired the experience.</p>
CE06	Tunneling and underpinning	Tunneling and underpinning works.	CIVIL/ MINING	<p>Either firm's experience supported with Work Order along with satisfactory Performance Certificate issued by concerned employer/department.</p> <p style="text-align: center;"><b>OR</b></p> <p>Engineer's experience supported with Experience Certificate relevant to code issued by the organization/firm, in whose employment that engineer acquired the experience.</p>
CE07	Railways Tracks	Installation of railway tracks, distressing of rails and tracks.	CIVIL/ TRANSPORT	<p>Either firm's experience supported with Work Order along with satisfactory Performance Certificate issued by concerned employer/department.</p> <p style="text-align: center;"><b>OR</b></p> <p>Engineer's experience supported with Experience Certificate relevant to code</p>

				issued by the organization/ firm, in whose employment that engineer acquired the experience.
CE08	Oil and Gas Pipe Lines	Installation, maintenance and repair of oil and gas pipelines.	CIVIL/ MECHANICAL / PETGAS	Not Required
CE09	Sewerage Works  Water Supply	Sewerage pipelines, disposal works, sewerage treatment works and allied works.  Installation, maintenance and repair of water supply pipelines, pumping stations, tube wells, water treatment works etc.	CIVIL/URBAN	Not Required
CE10	General Civil Engineering Works  Concrete Repairs  Soil Investigation and Stabilization  Landscaping & Horticulture  Reclamation Works and Waterproofing  General Buildings and Maintenance	General civil engineering works, including earthworks, sub-soil drainage, etc.  Reinforcement of structures by way of pressure grouting, guniting, etc.  Services include sampling, investigation and testing services to determine soil classifications, strength and composition. Also includes soil stabilization works such as micro piling, ground anchoring, sand drains and ground grouting.  Provision of Landscaping services including tree planting, turfing, horticulture etc.  Reclamation works. Water proofing of basement, roofs and walls.  All types of repair/maintenance of civil engineering works. Construction related civil engineering works including allied electrical and mechanical works.  Asphalt Road, P.C.C streets, pavements including culverts.	CIVIL	Not Required
BC01	Prefabricated Buildings and Steel Framed Buildings and Industrial Plants	Construction of buildings and industrial plants using prefabricated components and systems. Construction of steel	CIVIL/ MECHANICAL	Not Required



		Framed buildings and industrial plants.  Airports Terminal buildings, Satellite buildings, cargo terminals, air traffic control Towers, contact piers, passenger loading bridges.		
BC02	Restoration and Conservation	Building restoration and Conservation.	CIVIL	Not Required
BC03	High Rise Buildings		CIVIL	Either firm's experience supported with Work Order along with satisfactory Performance Certificate issued by concerned employer/department. <b>OR</b> Engineer's experience supported with Experience Certificate relevant to code issued by the organization/firm, in whose employment that engineer acquired the experience.
ME01	HVAC	Installation, Commissioning maintenance and repairs of air conditioning, refrigeration, cold rooms and ventilation system.	MECHANICAL	Not Required
ME02	Fire Prevention and Protection System	Installation and maintenance of fire alarms, prevention and Protection systems.	MECHANICAL/M ECHATRO	Not Required
ME03	Lifts and Escalators  Compressor Generators	Installation, commissioning and maintenance of lifts, escalators, travel lators and conveyor systems  Installation, maintenance and repair of centrifugal compressor, reciprocating compressor, air compressor, skid, rotary compressor, pipeline valves, blowers, liquid ring compressor, gas turbine generator, steam generator, diesel generator, solar photometric, water turbine generator and hybrid system.	MECHANICAL	Either firm's experience supported with Work Order along with satisfactory Performance Certificate issued by concerned employer/department. <b>OR</b> Engineer's experience supported with Experience Certificate relevant to code issued by the organization/firm, in whose employment that engineer acquired the experience.
ME04	Building Automation System	Building automation, industrial and process control systems, include installation and maintenance of microprocessors or computer based building control systems	MECHANICAL/M ECHATRO	Not Required

		and industrial process control systems.		
ME05	Workshop, Mill, Quarry System	Installation, commissioning and maintenance of workshop, mill and quarry systems such as cranes, hoist, crushing and screening plant, asphalt mixing plant, etc.	MECHANICAL/M ECHATRO	Not Required
ME06	Specialized Fabrication and Treatment  Medical Equipment  Kitchen and Laundry Equipment  Heat Recovery System  Pollution Control System Miscellaneous Mechanical Equipment  Chiller for Power Generation  Specialized Plant	<p>Erection, maintenance and repair of exhaust stocks, tanks, reactors, separators, filters, scrubbers, dehydrators, evaporators, pipings, furnaces, grit blasting and painting, hot and cold insulation, flare system, bearing and welding.</p> <p>Installation, commissioning and maintenance of medical equipment such as:</p> <ul style="list-style-type: none"> <li>- Compressed air systems</li> <li>- Hot water installation</li> <li>- Sterilizer and autoclave</li> <li>- Medical gas installation</li> <li>- Hydrotherapy system</li> <li>- Dental chair</li> <li>- Mortuary refrigerator etc.</li> </ul> <p>Installation, commissioning and maintenance of cooking and kitchen equipment, laundry equipment, etc</p> <p>Installation, commissioning maintenance and repair of boiler plant, heat exchangers, absorption chillers, unfired pressure vessels and hot water systems, etc.</p> <p>Landfill technology, incinerator, oil separators.</p> <p>Installation, testing commission, maintenance and repair of mechanical based systems such as pumping installation, sewerage treatment plant installation, water treatment plant installation, rotary pumps, reciprocating pumps, centrifugal pumps and special purpose pumps, etc.</p>	MECHANICAL/M ECHATRO	Not Required

		Installation, maintenance and repair of gas turbine driven chiller, steam turbine driven chiller and centrifugal chiller. Erection, maintenance and repair of compressor station, metering station, onshore terminal station, co-generation plant, gas processing plant, petrochemical plant, oil refinery, aviation re-fueling and de-fueling system, petrol station, heating ventilation and Air-conditioning.		
EE01	Sound System	Public address system, audiovisual system, conference System, intercom system and MAT.	ELECTRICAL/ ELECTRO	Not Required
EE02	Security, Safety Surveillance System	Installation and maintenance of security, safety and surveillance systems (security, alarm, car park security control and card access control systems. CCTV, sensor/detection system, vibration monitoring system, gas protection system, platform alarm system, aircraft warning system, fire protection system and earthing and lighting Protection.	ELECTRICAL/ ELECTRO/ MECHATRO	Not Required
EE03	Building Automation System and Energy Generation System	Building Automation, industrial and process control system, included installation and maintenance of microprocessors or computer based building control systems and industrial process control systems, includes installation and maintenance of energy generation systems	ELECTRICAL/ ELECTRO	Not Required
EE04	Low Voltage Installation	General wiring and control system wiring works not exceeding 1 KV. Installation and maintenance of low tension overhead lines and underground cabling not exceeding 1KV. Also includes installation and maintenance of Generating plant and equipment not exceeding 1 KV.	ELECTRICAL/ ELECTRO	Not Required
EE05	High Voltage Installation	Installation and maintenance of high voltage equipment and underground cabling, high-tension overhead line including transmission tower exceeding 1kV. Also includes installation	ELECTRICAL	Either firm's experience supported with Work Order along with satisfactory Performance Certificate issued by concerned Employer/department.

		and maintenance of generator plant and equipment exceeding 1KV.		<b>OR</b> Engineer's experience supported with Experience Certificate relevant to code issued by the organization/firm, in whose employment that engineer acquired the experience.
EE06	Specialized Lighting System	Installation and maintenance of street lighting, stadium floodlighting, traffic lighting, airfield lighting, high mast lighting installation, laser system, stage lighting, special effect lighting, navigational aid, underwater lighting, platform lighting, petrochemical plant lighting, oil refinery plant lighting, etc.	ELECTRICAL/ ELECTRO/ MECHATRO	Not Required
EE07	Telecommunication Installation	Telephone cabling and internal ducting, radio based communication system, PABX, microwave system, multiplex and signaling troposcatter system, satellite system, radar surveillance system, data communication equipment, remote subscriber system, vessels and navigational specialized system, etc.	ELECTRICAL /ELECTRO/ TELECOM	Not Required
EE08	External Telecommunication Works	Telecommunication cabling (underground/ overhead), manholes, underground Ducting/pipes.	ELECTRICAL/ ELECTRO/ TELECOM	Not Required
EE09	IT & Software Engg		COMPUTER/ ELECTRO	Not Required
EE10	Miscellaneous Specialized	Installation, commissioning and maintenance of surgical/operating theater table and lights, radiography equipment, radiotherapy equipment, nurse call system, electronic scoreboard, uninterruptible power supply (UPS) system, etc.	ELECTRICAL/ ELECTRO	Not Required
(CE11, BC04, ME07, and EE11)	Any work not covered in above description of works relevant to any engineering discipline.		CIVIL/ ELECTRICAL/ MECHANICAL/CH EM, etc. (as per nature of work)	Not required
C-6 (11)	All types of repair/maintenance of civil engineering works. Construction related civil engineering works including allied electrical and mechanical works. Water supply, sanitary, drainage, sewerage and plumbing		CIVIL/ ELECTRICAL/ MECHANICAL (as per nature of work)	Not required

	works. Street Road, P.C.C streets, pavements including Culverts.		
O-6 (11)	All types of operational works. Toll collection, operational and management works. Mobile engineering workshop.	CIVIL/ ELECTRICAL/ MECHANICAL (as per nature of work)	Not required
C-5 (11)	All types of repair/maintenance of civil engineering works. Construction related civil engineering works including allied electrical and mechanical works. Water supply, sanitary, drainage, sewerage and plumbing works. Asphalt Road, P.C.C streets, pavements including Culverts.	CIVIL/ ELECTRICAL/ MECHANICAL (as per nature of work)	Not required
O-5 (11)	All types of operational work. Toll collection, operational and management works. Mobile engineering workshop.	CIVIL/ ELECTRICAL/ MECHANICAL (as per nature of work)	Not required
CE (11)	All types of repair/maintenance of civil engineering works. Construction related civil engineering works including allied electrical and mechanical works. Asphalt Road, P.C.C streets, pavements including culverts.	CIVIL/ ELECTRICAL/ MECHANICAL (as per nature of work)	Not required