THE HONG KONG INSTITUTION OF ENGINEERS
香港工程師學會
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HKIE Certification of Engineering Environmental Impact Assessment Professional

1. Introduction

1.1 HKIE Certification of Engineering Environmental Impact Assessment (EIA) Professional

The Hong Kong Institution of Engineers (HKIE) Certification of Engineering EIA Professional (Eng EIA Pro) serves to assess whether HKIE members can meet the eligibility criteria for inclusion in the Eng EIA Pro register of the HKIE. Eng EIA Pro is recognised by the Environmental Protection Department (EPD) of the HKSAR Government, and shall be capable of performing the duties of "Qualified Professionals or Experts" as stipulated in Section 4.4.2 of Technical Memorandum on Environmental Impact Assessment Process (TM-EIA) issued under the Environmental Impact Assessment Ordinance (EIAO) Cap. 499, i.e. to prepare, check and sign the EIA report submitted under the statutory EIAO process. The certification aims at enhancing the capacity and competence of HKIE members in preparing, checking and submitting statutory EIA reports to Director of Environmental Protection. This is in response to the escalating need for enhancing the quality of EIA report for streamlining the statutory EIA process.

1.2 Objectives

The primary aims of certification are to guarantee that members who are accepted by the HKIE for inclusion in the "Eng EIA Pro" register possess the requisite professional and technical knowledge, training and practical experience, as well as a sufficient level of expertise in managing EIA studies and processes, such as statutory requirements of EIAO, TM-EIA, EIA Study Brief and EIA Guidance Notes, legal challenges, Impact assessment and assessment methodologies of air, noise, water quality, waste, land contamination, ecology, cultural heritage, landscape and visual aspects, and environmentally friendly engineering designs and construction methods.

1.3 Core Competencies of "Eng EIA Pro"

The Core Competencies of an "Eng EIA Pro" include the capability:

i) To comprehend and apply professional EIA knowledge of EIAO statutory requirements underpinning good practice for professional engineering. (Possession of the professional knowledge and expertise to serve as an independent advisor in statutory requirements of EIAO, TM-EIA, EIA Study Brief and EIA Guidance Notes, legal challenges, Impact assessment and assessment methodologies of air, noise, water quality, sewage, waste, land contamination, landfill gas hazard, ecology (terrestrial and aquatic), fisheries, cultural heritage, landscape and visual, hazard to life aspects, environmentally friendly engineering designs and construction methods, and environmental monitoring and auditing)

ii) To define, investigate, analyse, design or develop technical engineering solutions for mitigation of environmental impacts. (Professional experience in defining potential environmental impacts from scopes of designated projects and reporting in Project Profile as per the statutory requirements of EIAO; in accordance with the EIA Study Brief requirements, formulating assessment methodologies including literature review, baseline surveys, modelling for impact assessments to evaluate the environmental impacts; analysing potential engineering mitigation measures and designing or developing solutions to meeting statutory requirements stipulated in EIAO, TM-EIA and EIA Study Brief; proficiency in TM-EIA, typical EIA Study Brief, EIA Guidance Notes requirements)

iii) To manage part or all of one or more EIA studies activities in accordance with good management practice to meeting EIAO requirements. (Ability to describe the responsibilities of various

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specialists, including air, noise, water quality, sewage, waste, land contamination, landfill gas hazard, ecology (terrestrial and aquatic), fisheries, cultural heritage, landscape and visual, hazard to life aspects, in an EIA study; proficiency in statutory requirements of assessment criteria and methodologies for the assessments)

iv) To be responsible for preparing Project Profile and EIA report and applications for EIA Study Brief, Environmental Permit and Variation of Environmental Permit, and direct application for Environmental Permit under EIAO. (Proficiency in statutory requirements of EIAO, TM-EIA, EIA Study Brief, EIA Guidance Notes and Court Judgements; submission processes and requirements for Project Profile and EIA report and applications for Study Brief, Environmental Permit and Variation of Environmental Permit, and direct application for Environmental Permit)

v) To be responsible for environmental monitoring and auditing (EM&A) of designated projects in construction and operation stages. (Proficiency in principles of EM&A and EIA follow-up, compliance of environmental permit; Ability to explain EM&A processes and reporting, instruments for EM&A for implementation and commissioning processes, current and upcoming technologies, and roles of Environmental Team, Environmental Team Leader and Independent Environmental Checker)

vi) To communicate clearly with decision makers, public and other engineers/professionals in the EIA study and recognize quality management of the EIA study and reporting. (Ability to apply effective interpersonal and communication skills in a variety of Advisory Council on the Environment, public and interpersonal settings, such as presentations, meetings, organized reasoning for EIA report writing and EIA Report quality assurance etc.)

2. Eligibility

Eng EIA Pro		
	Normal Route	Experience Route
Qualifications	Corporate Members of the HKIE (FHKIE/ MHKIE) in Environmental Discipline	Corporate Members of the HKIE (FHKIE/ MHKIE) in Environmental Discipline
Work Experience	Have at least FIVE years (60 months) relevant work experience in environmental field	Have at least FIFTEEN years of post-degree work experience
Recognised Practical EIA Experience	Applicants should have no less than THREE YEARS of EIA experience (including at least six months in Hong Kong) in the execution and management of EIA, such as submissions of Project Profiles, EIA reports, EM&A reports and applications for EIA Study Brief, Environmental Permit and Variation of Environmental Permit, counting up to the application form submission date.	Applicants should have no less than SIX YEARS of experience in (i) being responsible for projects involving EIA process, (ii) compiling EIA reports, or (iii) being involved in a responsible position in the EIA process, counting up to the application form submission date.
EIA Training	Successful completion of HKIE-recognised "Course for HKIE Certification of Engineering Environmental Impact Assessment (EIA) Professional" offered by B&R	N/A

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Eng EIA Pro		
	Sustainable Green Development Training Centre (SDGC) of the EPD or equivalent courses.	
Submission of Supporting Document	1. Complete and submit online Application Form for Certification of Engineering EIA Professional (Eng EIA Pro) ; 2. Completion certificate of HKIE-recognised "Course for HKIE Certification of Engineering Environmental Impact Assessment (EIA) Professional" or equivalent courses; 3. Provision of EIA experience on all core competencies, including key project information, the applicant's role and EIA tasks accomplished (incorporated in the online application form); 4. Evidence of the required work experience and EIA experience.	1. Complete and submit online Application Form for Certification of Engineering EIA Professional (Eng EIA Pro) ; 2. Provision of EIA experience on all core competencies, including key project information, the applicant's role and EIA tasks accomplished (incorporated in the online application form); 3. Evidence of at least SIX YEARS of practical experience in EIA (including at least six months stationed in Hong Kong).
Acceptance Requirements	Passing an Interview (arranged by HKIE to assess whether the applicant possesses the required core competencies and practical experience).	Experience demonstrating the attainment of core competencies as vetted by the responsible committee.
Fee Schedule	A total fee of HK$3,620 will be charged upon successful application for the certifications of Eng EIA Pro (Normal Route/Experience Route). The fee structure is as follows: 1. Application Fee: HK$620 upon submission of the application. 2. Assessment Fee: HK$2,000 upon the applicant being considered eligible for assessment. 3. First Registration Fee: HK$1,000 upon confirmation of meeting all certification requirements. All payment received are non-refundable and non-transferable.	

3. Review of Interview / Assessment Results and Handling of Appeal

In the event of an unsuccessful Interview/Assessment outcome, an applicant has the option to request a review of their result by submitting a written application to the HKIE Professional Certification Committee (PCC) within 14 calendar days of the announcement of results (excluding the day of the announcement), accompanied by an application fee of $970, and providing brief grounds for review. Late appeals will not be considered.

The applicant must demonstrate, through sufficient evidence, that there is justification for such an application. The PCC shall review the case and make a recommendation to the Qualification & Membership Board. Successful appeals will be refunded in full.

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4. Renewal of Registration

The HKIE shall maintain a Register for Eng EIA Pro, which shall be accessible to the public for review via the HKIE website.

HKIE members listed as Eng EIA Pro shall remain on the register upon annual renewal of their HKIE membership, provided that they have completed 12 hours environmental-related Continuing Professional Development (CPD) activities. The renewal fee for the certification of Eng EIA Pro is HK$1,000 each.