

Korean Students Internship at ENEC Plan

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# Program Overview:

## Internship Program Objectives

The Republic of Korea and the United Arab Emirates signed an MOU on 20 May 2014 for cooperation in developing internship programs and job opportunities in nuclear energy for university students, with the purposes of establishing a stable base of qualified personnel for the support of the Barakah NPP Project and potentially other nuclear power projects in the UAE.

The internship program is designed to involve the students in activities such as plant design/construction, commissioning/operation, maintenance and decommissioning. Also, to increase their knowledge and understanding in the areas mentioned below:

* Integrated Project Management System.
* Civil and Architectural work Management.
* Mechanical & Electrical work Management.
* QA Management and activities at site.
* Safety Induction
* Commissioning
* Operations
* Maintenance

## Program Outline

* **Duration:** 8 weeks (4th Jan-26th Feb 2015) (1 week at ENEC HQ and 7 weeks at Barakah Site)
* **Number of participants:** 30 Korean students
* **Program Contents:** Familiarization Courses and technical knowledge at Barakah Site

**Familiarization Courses:** Culture of Safety**,** General Employee Training (GET), Risk Management, UAE Culture, introduction to simulator and introduction to Fuel team.

**Technical Program:**

* **Construction Civil & Architecture:** To learn about Civil, Architectural and marine construction works in BNPP site
* **Quality Surveillance Civil:** To learn about the site inspecting of concrete, rebar’s water stop, water proofing, structural and mis.Steel, back fill Coating and painting, survey for Q.T.R and S Quality Class
* **Construction Mechanical & Piping:** General overview of construction Mechanical equipment, place condenser, turbine valves, tanks and pipes
* **Quality Surveillance Mechanical:** Site inspection of Mechanical equipment and piping installation and manufacturing QS activities
* **Construction Electrical, Instrumentation and Control:** General overview of BNPP systems contractors and shadowing on Electrical I&C day to day activities at Site
* **Safety Induction:** to learn the safety rule and awareness within the BNPP
* **Commissioning:** briefing and general overview
* **Operations:** briefing and general overview
* **Maintenance:** briefing and general overview
* **Eligibility and Qualification:**
  + Korean students of engineering colleges at selected universities: Seoul National University, KAIST, Hanyang University and Kyunghee University
  + Ability to communicate fluently in English
  + Student who have completed from five to six semesters as of Feb 2015
  + Students interested in global nuclear power plant industry
  + Capable of working abroad during internship

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **English Test** | **TOEFL** | **TOEIC** | **TOEIC Speaking** | **TEPS** | **OPIc** |
| Min. Score | 85 | 750 | Level 6 | 594 | Intermediate |

* **Timing:** Students has to complete 40 hours every week (4 Days\*10 hours) at Barakah Site. The week starts either on Sunday or Monday depending on the shift schedule of the mentor of each student. The student who will start on Sunday will finish the week on Wednesday while the ones who will start on Monday will finish on Thursday. The program at Barakah starts at **7:30** and finish at **17:30**.
* **Evaluation:** Students will be graded as 50% for attendance, 15% on behavior and 35% participation, attentiveness and questioning attitude).
* **Benefits:**
  + **Certificates of Completion** shall be given to student upon the completion of the program
  + Exchange credit or equivalent benefits will be given
  + Students who have completed the internship will have higher possibility for getting full-time job at ENEC in the future

# Program Preparation:

## Selection Process

ENEC Korea Office (EKO) will advertise for this internship program at South Korean Universities. Students will submit their application to Korea Nuclear Association (KNA) before specified deadline. Korea Nuclear Association (KNA) will review students’ applications and schedule interviews for students. Once the student passes the first interview he/she will be called for a second interview with EKO to check their English language proficiency and final selection. Throughout the selection process students will be notified and updated on their application progress. Shortlisted students will have to submit the required form and documents for final management approval.

## Visa Arrangement

KNA will issue 90 days mission visa for Korean students and ENEC will provide any needed letters and documentation.

## Transportation, Meals and Health Insurance

KEPCO will arrange the transportation to pick up Korean students from/to airport and to ENEC offices or Barakah site.

During the internship at Barakah site, Korean meals will be served for the 30 Korean Students during the entire period (working days and weekends). The 3 meals will be served on a daily basis at the dining halls belong to KEPCO.

KNA will do the necessary to provide health insurance to students for the 8 weeks internship period in UAE.

## Accommodation in Abu Dhabi & Barakah Site

|  |  |  |  |
| --- | --- | --- | --- |
| **Location** | **Arrangement and Expenses by** | **Period** | **Note** |
| **Abu Dhabi City** | KNA | **Check-in:**  3rd January 2015  **Check-out:**  10th January 2015 | Check in depends on the flight arrangement.  Check out depend on transportation arranged to site. |
| **Barakah Site** | KEPCO | **Check-in:**  10th January 2015  **Check-out:**  26th February 2015 | Check in depend on transportation arranged to site.  Check out depend on flight arranged. |

## ENEC Offices and Barakah Site Access

ENEC will request badges for Korean students to access ENEC Offices and Barakah site.

## Student’s Stipends & Airfare Tickets

KNA will provide $2000 stipend per 4 weeks and round-trip airfare for the Korean students.

# Familiarization Courses – ENEC Offices

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Week** | **Date** | **Time** | **Activities** | **Responsible Person** | **Location** | **Remark** |
| **1** | **Sunday**  **4-Jan-2015** | 09:30-10:30 | Welcoming & Orientation | Khaloud Al Alawi | Dusit Building, AlAhmadeyya Room | *Transportation needed from accommodation to Dusit.* |
| 10:30-11:00 | Social media (TBC) |  |
| 11:00-12:00 | UAE Culture & Tradition |  |
| 12:00-12:30 | Building Tour (Dusit) |  |
| 12:00-13:00 | Lunch Break | N/A |  |
| 13:00-16:00 | Culture of Safety Course | Jesse Brooks | *Transportation needed from Dusit to accommodation.* |
| **Monday**  **5-Jan-2015** | 09:30-12:30 | General Employee Training | Gary Christopher | Dusit Building, AlAhmadeyya Room | *Transportation needed from accommodation to Dusit.* |
| 12:30-13:30 | Lunch Break |  |  |
| **Tuesday**  **6-Jan-2015** | 9:30-12:30 | Enterprise Risk Management | Mostafa Ramzy | Mamoura B, Al Baraha, | *Transportation needed from accommodation to Mamoura.* |
| 12:30-13:30 | Lunch Break | N/A |  |
| 13:30-15:00 | Introduction to simulator | Amani Al Hosani |  |
| **Wednesday**  **7-Jan-2015** | 09:30-09:45 | Move from Dusit to Khalifa University |  | Khalifa University | *Transportation needed from accommodation to Khalifa University.* |
| 10:00-12:00 | KU University Visit  (Tour & Meeting Students) |  |  |
| 12:30-13:30 | Lunch Break | N/A |  |  |
| **Thursday**  **8-Jan-2015** | 09:30-13:00 | Introduction to Fuel Team | Maryam Qasem | Mamoura B, Al Baraha | *Transportation needed from accommodation to Mamoura.* |
| 13:00-14:00 | Lunch Break | N/A |  |

# Technical Program - Barakah Site

| **Week** | **Date** | **Time** | **Activities** | **Responsible** | **Location** |
| --- | --- | --- | --- | --- | --- |
| **1** | **Sunday**  **11-Jan-2015** | **10:00-17:30** | **Arrival in BNPP**   1. Site Orientation 2. CPO Organization Chart, CPO Senior Management Introduction 3. Nawah Organization Chart Introduction 4. ENEC/ Nawah Building Facilities Tour | Mira/ Shamsa | Administration Bldg. ground floor lobby |
| **Monday**  **12-Jan-2015** | **08:00-18:00** | **Safety Training Induction**  To learn the safety rule and awareness within the BNPP | HSJV ( Mr. Park & Mira) to coordinate | HSJV Training Centre |
| **Tuesday**  **13-Jan-2015** | **07:30-16:30** | **CPO- CON Civil**  Construction civil brief description: To learn about Civil, Architectural and marine Construction works at BNPP Site | Civil | MCO1 – M floor |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Wednesday**  **14-Jan-2015** | **07:30-08:00** | **Weekly Meeting**  **Objective:** Discuss difficulties/ success and suggestions, Submission of weekly feedback, Next week plan ahead schedule and Introduction to responsible department | Mira /Interns | Administration Bldg. 1st floor  Al Fayah |
| **08:00-16:30** | **CPO- CON Civil** | Civil | MCO1 |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **2** | **Sunday**  **18-Jan-2015** | **10:00-17:30** | **QS Civil**  QS Civil brief description: Site inspection of concrete, rebar's water stop water proofing, structural and mis. Steel, back fill, coating and painting, survey for Q.T.R and S quality class | QS Civil | MCO1- M floor |
| **Monday**  **19-Jan-2015** | **07:30-16:30** | **QS Civil** | QS Civil | MCO1- M floor |
| **Tuesday**  **20-Jan-2015** | **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Wednesday**  **21-Jan-2015** | **07:30-08:00** | **Weekly Meeting** with Mira | Mira /Interns | Administration Bldg. 1st floor Al Fayah |
| **08:00-16:30** | **QS Civil** | QS Civil | MCO1 |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **3** | **Sunday**  **25-Jan-2015** | **10:00-17:30** | **CON Mechanical & Piping**  Construction Mechanical Brief Description : General Overview of Construction Mechanical equipment,place , condenser, turbine Valves, tanks and pipes | Mechanical & Piping | MCO1- M floor |
| **Monday**  **26-Jan-2015** | **07:30-16:30** | **CON Mechanical & Piping** | M&P | MCO1 |
| **Tuesday**  **27-Jan-2015** | **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Wednesday**  **28-Jan-2015** | **07:30-08:00** | **Weekly Meeting** with Mira | Mira /Interns | Administration Bldg. 1st floor Al Fayah |
| **08:00-16:30** | **CON M&P** | M&P | MCO1 |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **4** | **Sunday**  **1-Feb-2015** | **10:00-17:30** | **QS Mechanical**  QS Mechanical brief description: Site inspection of Mechanical equipment installation and piping installation & Manufacturing QS activities | QS Mechanical Department | MCO1 |
| **Monday**  **2-Feb-2015** | **07:30-16:30** | **QS Mechanical** | QS Mechanical Department | MCO1 |
| **Tuesday**  **3-Feb-2015** | **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Wednesday**  **4-Feb-2015** | **07:30-08:00** | **Weekly Meeting** with Mira | Mira /Interns | Administration Bldg. 1st floor Al Fayah |
| **08:00-16:30** | **QS Mechanical** | QSM | MCO1 |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **5** | **Sunday**  **8-Feb-2015** | **10:00-17:30** | **CON- E I&C**  Electrical I&C Brief Description : General Overview of BNPP systems contractors Shadowing on Electrical I&C day to day activities at Site | CON- E I&C | MCO1 |
| **Monday**  **9-Feb-2015** | **17:30-16:30** | **CON- E I&C** | CON- E I&C | MCO1 |
| **Tuesday**  **10-Feb-2015** | **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Wednesday**  **11-Feb-2015** | **07:30-08:00** | **Weekly Meeting** with Mira | Mira /Interns | Administration Bldg. 1st floor Al Fayah |
| **08:00-16:30** | **CON- E I&C** | CON- E I&C | MCO1 |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **6** | **Sunday**  **15-Feb-2015** | **10:00-17:30** | **Commissioning**  Briefing and general Introduction of Commissioning | Comm. | MCO4 |
| **Monday**  **16-Feb-2015** | **07:30-16:30** | **Commissioning** | Comm. | MCO4 |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Tuesday**  **17-Feb-2015** | **07:30-16:30** | **Project Management** | PM | Administration Bldg. 3rd |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Wednesday**  **18-Feb-2015** | **07:30-08:00** | **Weekly Meeting** with Mira | Mira /Interns | Administration Bldg. 1st floor Al Fayah |
| **08:00-16:30** | **Project Management** | CON- E I&C | MCO1 |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **7** | **Sunday**  **22-Feb-2015** | **10:00-17:30** | **Operations**  Briefing and general overview of Operation Readiness | Operations | STC Bldg |
| **Monday**  **23-Feb-2015** | **07:30-16:30** | **Operations** | Operations | STC Bldg |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Tuesday**  **24-Feb-2015** | **07:30-16:30** | **Maintenance**  Briefing and general Maintenance Overview | Maintenance | MCO4 |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Wednesday**  **25-Feb-2015** | **07:30-08:00** | **Weekly Meeting** with Mira | Mira /Interns | Administration Bldg. 1st floor Al Fayah |
| **08:00-16:30** | **Maintenance** | Maintenance | MCO1 |
| **16:30-17:30** | **Daily Workshop** with Mr. Park | Park PM | Administration Bldg. 1st floor Al Fayah |
| **Thursday**  **26-Feb-2015** |  | **Graduation Ceremony** |  |  |

# Appendices

## Management Approval Required Documents

* Fill in (SNS-FRM-111-11\_ManagementApprovalFormENGLISHRev3MINOR ), print it and sign it
* Clear and colored passport copy (more than six month validity)
* 4 Personal photos with white background (4x6)
* A copy of Educational Certificate (high school and letter from University).
* Resume

## Barakah Site Permits Required Documents

* Fill in CICPA Introduction form with full information (signed and sealed by the Applicant) it shall be written in Arabic hand writing with regard for Arabs or those who are from Arab origins. As for the foreigners, the document shall be typography (typed) in English version.
* A colored copy of valid passport (at least for six months) + A Unified number for local.
* Photographs (5X5), red background.
* A valid colored copy of residence, employment or mission visa.
* The old permit if expired card or a copy of the permit effective.

## Description: Description: cid:image003.jpg@01CDAC56.B09852B0The Required Conditions for Photographs

* *(*2) Photographs (5X5), the first fixed on the application form.
* Photographs shall be stuck by glue without the usage of stapler or adhesive tape.
* Photos shall be frontal (not on side) view.
* Photos shall be in red background.
* Photos with head covers shall be refused with exception of the citizens of Gulf Cooperation Council states.
* Photos shall not be fabricated or modified.
* Photos with glasses shall be refused.