

By: prof.Eqrar

Short report on first training course of groundwater investigation 1-1

Objective

To raise up capacity building of Afghan young hydrogeologists in the field of groundwater, training lie at the heart of development efforts; without qualified and well trained human resources in all water line ministries, most development interventions would be ineffective, qualified and well trained hydrogeologists will be able to find out the best area of fresh groundwater area for multipurpose especially, for save drinking water uses.

Groundwater investigation training course 1-1

The first training course on Groundwater investigation holds between 27th of April - 6th of May 2013 in MRRD training center.

Based on prepared agenda during ceremony, opening the course, main goal and main contents delivered by Eng.Qader from RuWatSIP, Dr.Svein and Prof.Eqrar of NORPLAN office and all hand out distributed after the opening of ceremony .



Fig.1: Discussion with Dr.Svien and Prof.Eqrar and introducing of local training expert Prof. Dr.Najaf by Prof.Eqrar

The course of groundwater investigation period was 6 days with four days theory and two days practical in field excursion.

The number of participant ranging between 20-22 persons/every day from different water ministries line including private sectors and NGOs with combination of 75 % young hydrogeologists and 25 % senior hydrogeologists.



Fi.2: Participants from different ministries line and private sectors in second day of field excursion in Siayad area (North part of Kabul)

During the training course two video film of groundwater sampling and one of the new model of preliminary hydrogeological scientific reports presented and demonstrated, also the senior hydrogeologists explained their own experience from the field and had interesting discussion after each presentation.

According the course agenda fifth and sixth days of training course was held in field to train them based on theory of class, to have site seeing from field ,water sources data collection with all specification from deep well dug well ,spring, surface run-off in North part of Kabul which was selected already for excursions.

During field excursion site seeing Geology and Hydrogeology of selected area explained by local expert and senior hydrogeologists and practically the collection of physicochemical parameters as Ph, EH, EC, Static Water Level (SWL), water temperature, flow measurement, taking water samples filtered and unfiltered and GPS coordination performed and collected with all participants.



Fig.3: Practical participation of training participants in field excursion in Siayad area north of Kabul

Based on request of participants all presentations after completing the theoretical training course with 2GB flash and hard copy of lecture note distributed before starting the training course.

On the end of sixth day Eng.Qader ,Eng.Asad,Eng.Abrar ,Dr.Najaf and Prof.Eqrar distributed the certificate for all participants in RuWatSIP hall.

Generally the evolutions forms fulfilled by participants and feedback from participant were positive and ranging between very good to good.

Recommendation:

- The course arrangement and scheduling was good and acceptable for all.**
- More emphasized and focused on practice for each training course especially, training course of Geophysical survey and well hydraulics must be more focused on practical, after the collection of data analyzing and interpretation and familiarize them with available and existing Geophysical equipments in MRRD.**
- Using of different modern technical tools (Equipments and Software) for collection, analyzing and interpretation of data must be in first priority.**
- The participants suggested arranging each training course per month will be better; in case of double training course/month, most of them will be not participated, because of time shortage and they will be busy in official duty.**
- Arranging the training course will be better to organize in RuWatSIP hall in a future to not loss more time for transportation and other facilities.**