



BACK TO OFFICE REPORT

<u>REPORTING OFFICER:</u>	İsmail Belen TCDC Consultant
<u>Country and Place Visited:</u>	Eskisehir, Turkey
<u>Dates of the Visit:</u>	07-12 April 2014
<u>Purpose of the Visit:</u>	Organize and participate at regional workshop on” Nursery, Seed and Afforestation Techniques in Arid Zones” under the GCP/SEC/002/TUR
<u>Cleared for distribution by:</u>	Ekrem Yazici Forestry Officer

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I. RESULTS:

1. The workshop was jointly co-organized with the Turkish Cooperation and Coordination Agency (TIKA), General Directorate of Combating Desertification and Erosion (CEM) and FAO Sub regional Office for Central Asia. The regional workshop was attended by approximately 45 experts from the five project countries including nursery engineers and practitioners, nursery directors, watershed specialists as well as representatives of watershed management units including particularly seed and seedling, nursery management, afforestation/deforestation, combating erosion and desertification and FAO SEC. the purpose of workshop were; to increase awareness, knowledge, experience on nursery development, seed production and afforestation techniques in Arid Zones, to meet with National Project Coordinators and TCDC consultants in order to strength communication, cooperation among each other and discuss further decided steps to be taken under the work plan of project; and to train experts on seed/plant production and nursery establishment and management by showing and implementing quite number of practices in the field. A workshop agenda attached in section V and a list of participants attached in section IV.

2. As the TCDC Consultant and on behalf of the General Directorate of Combating Desertification I attend to this workshop from 7 to 11 April 2014.
3. Second day, plenary session, presentations focused on seed selection, sowing, planting and nursery establishment techniques, well explained how to take soil, water and plant samples and how to evaluate analysis results. Additionally, representatives of project countries provided brief information about current process of countries. Afternoon, a meeting with National Project Coordinators was conducted and meeting notes attached in section III.
4. The rest of workshop dates (three days) were segregated for the field trip applications and practices in a nursery site from the soil preparation, sowing of seed, processes of seedling handling and transport to plantation sites up to greenhouse establishment and vegetative production of reproduction materials including seed, seedling, cutting, grafting etc. Apart from plantation techniques, all applications showed in Eskisehir Nursery of the Eskisehir Regional Directorate of Forestry. The nursery is the biggest one in Turkey in terms of its annual production capacity, total area, number of personnel working, mechanization and technical equipment etc. The nursery has 130 hectares of land where 35 million seedling of forest tree species (pine spp., Cedar, juniper, fir spp., maple spp, acacia, lime, birch etc.) as well as variety of fruit and ornamental plants seedling are being produced annually. The nursery has also high level specialists on every field of nursery management and operating of modern equipment including more than 20 modern and high-tech greenhouses. It is therefore, the nursery was the best selection for such training purposes. The following nursery practices were particularly illustrated by the experts on the nursery area and experienced by all the participants of the workshop:
 - Following area including selection and testing of the soil, randomly collection of testing material, seed beds and seedling parcels, seed extraction, seed storage and packing, mechanical seed sowing, maintenance, replication and removal of seedlings, covered seedling, seedling production in greenhouses in containers, vegetative production of seedlings and other reproduction material, cutting and grafting etc.
 - Visit to Seed Orchards. Participants also visited to and seed orchards established by the Forest Tree and Seeds Breeding Research Directorate of the MFWA. Tree seed orchards, Scotch pine, Cedar and Crimean pine (*P. nigra*) were visited. Background and information including size of orchards, years of establishment, plantation techniques and maintenance of trees, seed capacity and annual seed production etc. were given by the experts.
 - Visit to Erosion control-based afforestation and memorial tree plantation. The pilot site for demonstration of erosion control-based as well as the green belt plantation was visited on fourth day of the workshop (11th

April). The local staff of the Regional Forest Directorate gave the information about the plantation area. They particularly underlined the selection of species, plantation techniques as well as the seedlings planted in connection with the tree plantation in a semi-arid land and poor soil conditions. The area was planted with covered seedling of cedar and black pine tree species. The setting of seedling terraces in the hilly and sloppy area was also visited by the participants.

II. FOLLOW UP ACTIVITIES

- Finalize the workshop report,
- Translate workshop report into Russian and share it with participating countries and partners,
- Organizing a regional workshop in Bishkek, Kyrgyzstan in May 2014 in order to discuss planned activities in the demonstration site and drafted technical guideline to be prepared by international consultants.

III. MEETINGS WITH TCDC CONSULTANTS AND NPCs

In order to timely realize and properly conduct the planned activities of the project, two meetings with the country representatives, project's consultants, national project coordinators and other representatives of countries were conducted at the evening of second day of the workshop, 8th April. The major activities were introduced, discussed and reiterated once again.

The first meeting was attended by the country representatives (Azerbaijan, Kyrgyzstan, Tajikistan, Turkey and Uzbekistan) including the national project coordinators. About 12 participants from the above countries took part at the meeting. Since there is a very limited time left to the end of the project, it was strictly underlined that the countries should assign their national project coordinator and the national consultants as much as possible. For that reason, the TOR of the national consultants was explained once again. In this regard, the representative of the project countries took the floor and expressed their remarks and comments on this matter.

The second meeting was realized with the participants from Kyrgyzstan, TCDC consultants, RPC and Turkish experts. The time, concept, program and some logistical matters of the upcoming mission of Turkish delegation which is coincident with the mission of TCDC consultant were discussed in detail. The order of the activities including the Regional Workshop in Kyrgyzstan (tentatively will be held on 19-21 May 2014) and others to be done during the mission was reminded respectively. Furthermore, information about the selected watershed, villages and its vicinity were introduced by the participants from Kyrgyzstan. The

program, concept and the possible participants of the regional workshop were also elaborated and provisionally agreed by the country representatives

Finally, a lot matters become clearer in mind through the meetings. Consultants and representatives of project countries felt themselves better familiar with the project. It was realized that the scheduled time frame of the project is still valid and possible change whenever proposed by the project staff would be evaluated together with all the actors of the project.

IV. PARTICIPANTS LIST

	Name	Country	Position	Institution
1	Elçin Acar	Turkey	Expert Assistant	General Directorate of Combating Desertification and Erosion (CEM)
2	Mustafa Çetin	Turkey	Expert Assistant	CEM
3	Beytullah FDAN	Turkey	Branch Manager	CEM
4	Mustafa Mukan Yazar	Turkey	Branch Manager	General Directorate of forestry OGM
5	İlhan Siddik Sözeri	Turkey	Branch Manager	OGM
6	Ümmiye Aydın	Turkey	Forest Engineer	OGM
7	Ahmet Özdemir	Turkey	Forest Engineer	OGM
8	Hicran Yazıcı Doğan	Turkey	Forest Engineer	OGM
9	İbrahim Polatlı	Turkey	Forest Engineer	OGM
10	Koray Cantürk	Turkey	Forest Engineer	OGM
11	Zafer Demir	Turkey	Forest Engineer	OGM
12	Murat Masun	Turkey	Forest Engineer	OGM
13	Ömer Akça	Turkey	Forest Engineer	OGM
14	Onur Yılmaz	Turkey	Forest Engineer	OGM
15	Koray Kalay	Turkey	Forest Engineer	OGM
16	Esra Solmaz	Turkey	Forest Engineer	OGM
17	Şafak Kemaloğlu	Turkey	Branch Manager	OGM
18	İsmail Çakiroğlu	Turkey	Branch Manager	OGM
19	Reyhan Yılmaz	Turkey	Forest Engineer	OGM
20	İbrahim Yamaç	Turkey	Expert Assistant	United Nations Food and Agriculture Organization (FAO)
21	Feziha Soykan	Turkey	Interpreter	Turkish Cooperation and Coordination Agency (TİKA)
22	Sesegma Dondokova	Turkey	Interpreter	TİKA
23	Aziz Baghirov	Azerbaijan	Forest-guard	Forest protection and rehabilitation enterprise (Ismayilli)
24	Malik Rzayev	Azerbaijan	Head	Adviser of the Forest Development Department
25	Aytan Yusifova	Azerbaijan	National Project Coordinator	
26	Rahman Aghashov	Azerbaijan	Director	Azerbaijan Landscaping and Greening OJSC
27	Zhenishbek Abdygaziev	Kyrgyzstan	Specialist	Hunting Game Management Department
28	Abdikalyk Kimsanov	Kyrgyzstan	Director	Batken Forestry
29	Turatbek Muratbek Uulu	Kyrgyzstan	Director	Zhaiyl Forestry
30	Abibilla Temirbaev	Kyrgyzstan	Director	Uch-Korgon Forestry
31	Emilbek Umaraliev	Kyrgyzstan	Head	Chui-Bishkek Regional

				Division
32	Panarbek Zhabaikulov	Kyrgyzstan	Director	Aksy Forestry
33	Abdurashid Abdujamilov	Uzbekistan	Director;	forestry seed production centre
34	Anvar Teshae	Uzbekistan	Director	Jizzakh province central forestry organization
35	Alijan Mirzaev	Uzbekistan	Director	Namangan forestry organization
36	Allomurod Odilov	Uzbekistan	Director	Hisor” specialized forestry organization;
37	Mukhammadali Mirzoev	Tajikistan	Leading specialist	monitoring the protection of flora and fauna.
38	Nilufar Nazirova	Tajikistan	Chief specialist	international department of the Committee
39	Bozor Rahmonov	Tajikistan	Head	hydrometeorology and monitoring
40	Khamrokul Akhrorov	Tajikistan	Chief Specialist	control over the protection of flora and fauna.
41	Ismail Belen	Turkey	TCDC Consultant	
42	Muzaffer Dogru	Turkey	TCDC Consultant	
42	Mevlut Duzgun	Turkey	TCDC Consultant	
43	Erdogan Ozevren	Turkey	Regional Project Coordinator	

V. WORKSHOP AGENDA

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Seed, Nursery and Arid Zone Afforestation Techniques		
5-6 April 2014	Arrival to İstanbul	
1. Day		
7 April 2014 Monday	09:00	Departure from İstanbul
	10:30-12:00	Informing on the poplar plantation project in Uzbekistan- İzmit Poplar Institute
	Lunch 12:00-13:00	
	13:00-15:00	Visit to the private nurseries in Sakarya
	15:30-17:00	Poplar plantations and agroforestry practices in Akyazi

	17:00	Departure from Sakarya	
	20.00	Arrival to Eskişehir	
2. Day			
8 April 2014 Tuesday	Time	Subject	Speaker
	09:00-09:30	Opening speeches	İsmail Belen ÇEM General Director
	09:30-10:00	Meeting with participants	
	10:00-10:30	Introduction of the project and informing about the training	Erdoğan Özevren (Project coordinator)
	Coffee Break: 10:30-10:45		
	10:45-12:00	Country Presentations	
	Lunch 12:00-13:30		
	13:30-14:15	Tree Breeding, Seed Source Selection, Installation and Maintenance	Forest Trees and Seeds Research Institute – Ercan VELİOĞLU (Deputy manager)
	14:15-15:00	Soil, plant, water and peat sampling (sampling, analyse, evaluating the analysis results)	Eskişehir Research Institute For Forest Soil and Ecology -Ertan Şeref KORAY (Deputy manager)
	Coffee Break: 15:00-15:30		
15:30-16:30	Plant nutrition in nurseries	Süleyman Demirel University Faculty of Forestry Assist. Prof. Dr. Nevzat GÜRLEVİK	
16:30-17:30	Presentations of Project Consultants	İsmail BELEN, Turgut ÇELİKKOL, Muzaffer DOĞRU, Mevlüt DÜZGÜN	
3. Day			
9 April 2014 Wednesday	09:00-09:30	Introduction of Forestry Regional Directorate of Eskişehir	Introduction of Eskişehir Directorate of Forest Nursery Metin İNAN-Eskişehir Nursery Manager, Ender TUNCER Eskişehir Nursery Deputy Manager
	09:30-11:00	Seed storage, maintenance of cold storages and seed sampling	Experts from Directorate of Eskişehir Forest Nursery)
	11:00-12:00	Soil, water, peat and plant sampling techniques in nurseries and evaluating the results	Eskişehir Research Institute For Forest Soil and Ecology -Ertan Şeref KORAY (Deputy manager)

Lunch 12:00-13:30			
	13:30-17:30	Machinery and equipment used in nurseries, Bare rooted seedling production techniques (land preparation, levelling , bed formation, seed sowing, , maintenance, seedling lifting, selection)	Experts from Directorate of Eskisehir Forest Nursery
4. Day			
10 April 2014 Thursday	09:00-12:00	Covered seedling production techniques in greenhouses (site, , seed sowing, seed sowing, maintenance in greenhouses, weeding, combating with nursery diseases and pests) –	Experts from Directorate of Eskisehir Forest Nursery
	Lunch 12:00-13:30		
	13:30-17:30	Classical covered seedling production techniques, Vegetative propagation techniques and grafting	
5. Day			
11 April 2014 Friday	09:00-10:00	Visit to the seed orchards,	Experts from Eskisehir Regional Directorate of Forestry
	10:00-17:00	Visit to the soil conservation and erosion control afforestation fields	
6. Day			
12 April 2014 Saturday	09:00-12:00	Wrap up and discussion	
	15:00	Departure from Eskişehir and Arrival to İstanbul	
7. – 8. Day			
13-14 April 2014	Departure from İstanbul		