

3.6. Ecotourism

3.6.1. SC Meetings

Meetings for the Ecotourism SC were held during this period as shown in the following table.

Table 3.6-1 Discussion Results of Ecotourism SC Meetings (May 2014 to April 2019)

No.	Date	Main Discussions
Fiscal Year 2014		
1	24 May 2014	Arrangement of SCs
2	26 May 2014	Hearing about Ecotourism, Zoning and Ecotourism activities to SC members
3	31 May 2014	Sharing image of Ecotourism development in the wetland
4	01 June 2014	Sharing image of Ecotourism development in the wetland
5	02 June 2014	Knowing detailed idea of Phase 1 of Action Plan (AP)
6	07 June 2014	Knowing detailed idea of Phase 1 of AP
7	08 June 2014	Meeting about Ecotourism Workshop
8	16 June 2014	Meeting about Ecotourism Interpretation Data collection JET Meeting
9	18 June 2014	Meeting about Web designing, Association, Database, Basic Tourism Survey
10	23 June 2014	Meeting about AP
11	17 Aug. 2014	Meeting about interpretive data collection
12	04 Sep. 2014	Meeting about interpretive data collection
13	09 Nov. 2014	Meeting about 2nd Visit
14	10 Nov. 2014	Meeting about Basic Tourism Survey, review of AP, Interpretation Database
15	12 Nov. 2014	Meeting about the 2nd Visit of expert's work
16	15 Nov. 2014	Meeting about AP
17	17 Nov. 2014	Meeting about AP
18	18 Nov. 2014	Meeting about AP
19	19 Nov. 2014	Meeting about AP and Tourism Flow Survey
20	25 Nov. 2014	Meeting about Anzali Wetland Visitor Center (VC) Development
21	30 Nov. 2014	Meeting about selection of villages
22	02 Dec. 2014	Meeting about VC Development
23	04 Dec. 2014	Meeting about AP
24	10 Dec. 2014	Meeting about Teheran Meeting
25	12 Dec. 2014	Meeting about AP
26	25 Dec. 2014	Meeting about AP
27	30 Dec. 2014	Meeting about AP
28	09 Jan. 2015	Meeting about AP
29	09 Jan. 2015	Meeting about AP
30	12 Jan. 2015	Meeting about VC site selection
31	15 Jan. 2015	Meeting about AP
32	20 Jan. 2015	Meeting about AP
33	22 Jan. 2015	Meeting about AP
34	27 Jan. 2015	Meeting about AP
35	29 Jan. 2015	Finalization of AP
36	03 Feb. 2015	Finalization of AP
37	05 Feb. 2015	Finalization of AP
38	10 Feb. 2015	Fix work schedule by June and preparation for presentation for AWMC meeting
39	12 Feb. 2015	Fix work schedule by June 2015
40	12 Feb. 2015	Meeting with head of DOE about VC development at Valayat area
41	28 Apr. 2015	Gilan ecotourism committee meeting arrangements, Jirsar Bagherkhaleh (JBK) activities discussion
42	12 May 2015	JBK field visit reports, arrangements of Gilan ecotourism meeting
43	19 May 2015	JBK field visit weekly report,
44	02 June 2015	Fixing meeting agenda for Rural Affairs Office meeting, General idea of

No.	Date	Main Discussions
		ecotourism development in JBK, Weekly report of JBK site visit
45	09 June 2015	JBK ecotourism plan
46	30 June 2015	Detailed plan of activities until Nov 2015
Fiscal Year 2015		
47	07 July 2015	Checking JBK tourism plan prepared by village council, Detailed activities of JBK
48	14 July 2015	Meeting about JBK Village council tourism plan, JBK ecotourism activities
49	21 July 2015	Meeting about JBK activities plan, villager selection criteria
50	27 July 2015	Meeting about Kayaking and horseback riding feasibility report
51	04 Aug. 2015	Meeting about agenda of first public meeting in JBK
52	25 Aug. 2015	Meeting about preparing business plan and JBK activities
53	01 Sep. 2015	Meeting about JBK activities
54	08 Sep. 2015	Meeting about business plan and JBK activities
55	15 Sep. 2015	Meeting about the process of preparing JBK pasture plan for NRWGO
56	22 Sep. 2015	Meeting about the process of preparing JBK pasture plan for NRWGO
57	13 Oct. 2015	Meeting about Scheduling the JBK activities
58	03 Nov. 2015	Meeting about JBK activities and visiting other sites as the second village
59	10 Nov. 2015	Meeting about meeting with university students for interpretive designing workshop
60	17 Nov. 2015	Meeting about concept designing of VC
61	24 Nov. 2015	Meeting about fixing the schedule of activities and workshops in JBK
62	12 Jan. 2016	Meeting about fixing the schedule, discussing about visitor center
63	19 Jan. 2016	Meeting about JBK workshops, discussing about Ecotourism Center (EC) designing
64	26 Jan. 2016	Meeting about results of the JBK, management of ecotourism in EC
65	09 Feb. 2016	Meeting about visitor center MoM
66	12 Apr. 2016	Meeting about JBK activities
67	10 May. 2016	Meeting about JBK activities
Fiscal Year 2016		
68	02 Aug. 2016	Meeting on conducted activities in JBK and future plans of SC
69	23 Aug. 2016	Meeting on restart of EC Construction in JBK
70	28 Aug. 2016	Meeting on reporting the launching ceremony of VC in Anzali held by attendance of Ms. (Dr.) Ebtekar
71	11 Sep. 2016	Report on traditional market in JBK and making decision about banners for the market and purchasing more kayaks for ecotourism activities
72	19 Sep. 2016	Meeting on selecting the 2nd village for ecotourism activities
73	02 Oct. 2016	Meeting on construction time schedule of VC in Anzali
74	09 Oct. 2016	Meeting on second village for ecotourism activities
75	16 Oct. 2016	Meeting on second village for ecotourism activities
76	22 Jan. 2017	Meeting on fencing, access road and gardening in EC
77	12 Apr. 2017	Meeting on cleaning activity and opening ceremony of EC in JBK
Fiscal Year 2017		
78	27 July 2017	Promotion for EC and safety driving in the village.
79	31 July 2017	Craft workshops.
80	07 Aug. 2017	Birdwatching tower in the pasture and toilets.
81	14 Aug. 2017	CBET activities.
82	21 Aug. 2017	EC signboards.
83	24 Oct. 2017	Septic tanks and fencings in EC
84	13 Nov. 2017	Promotion for CBET activities.
85	09 Oct. 2017	Promotion for CBET activities, the second village and illegal hunting problems in CBET.
86	20 Jan. 2018	Mid-term plan, events and tags for local products
87	07 May 2018	Activities in CBET during Nowruz holiday and kayak tour for disabled adventures.
88	15 May 2018	Mid-term plan and information sharing among stakeholders.

No.	Date	Main Discussions
Fiscal Year 2018		
89	28 Feb. 2018	The inspection of CBET by Gilan governor office.
90	23 March 2018	Discuss about constricting VC
91	09 April 2018	Discuss about horseback riding

Source: JICA Expert Team

3.6.2. Meetings between Relevant Organizations and JET

In addition to the SC meetings, some meetings were held between relevant organizations and JET as shown in the following table.

**Table 3.6-2 Summary of the Preliminary Meetings between Relevant Organizations and JET
(May 2014 to January 2019)**

No.	Date	Organizations	Main Discussions
Fiscal Year 2014			
1	25 May 2014	Gilan Province	Meeting with Deputy Governor of Gilan Province
2	28 May 2014	GCHHTO	The first meeting with Head director of GCHHTO Presentation: “Basic Understanding of Ecotourism”
3	09 June 2014	Gardeshgaran-e paydar-Institute (GI)	Participating Ecotour coordinated by GI
4	14 June 2014	GCHHTO, DOE Gilan & Institute guide trainees	Ecotourism & Interpretation Workshop at DOE Presentation: Ecotourism in the World and Importance of Interpretation Method
5	15 June 2014	DOE Gilan	Meeting about VC (DOE Anzali, SC member)
6	21 June 2014	Anzali Mayer’s Office	Meeting about Visitor Center site (DOE Anzali, SC member)
7	21 June 2014	DOE Gilan, GCHHTO	VC Site Check (Waste Dumping)
8	22 June 2014	DOE Gilan	Presentation: Basic understanding of VC (C/P meeting)
9	24 & 25 June	Gardeshgaran-e paydar-Institute	Workshop of IP data collections
10	29 May 2014		Field Visit to the Anzali Wetland (Environmental Education, Ecotourism, and Zoning SCs)
11	01 July 2014	TGA, DOE Gilan	Meeting with the head of tour guide association,
12	08 July 2014	Hotel Union, DOE Gilan, GCHHTO	Meeting with the head of hotel union, discussing about the current structures of hotels
13	12 Nov. 2014	JPI with Locals	Dehaneh Sar Sheyjan Test Tour
14	13 Nov. 2014	Gardeshgaran-e paydar-Institute	Discussion about Interpretation Data collection Discussion about the possibility of future association can support VC (SC members)
15	15 Nov. 2014	Tour Agents Association	Discussing about possible of collaboration (the head of Association)
16	16 Nov. 2014	JPI with Locals	Jirsar Bagher Khaleh Test Tour
17	18 Nov. 2014	Gardeshgaran-e paydar-Institute	Discussion about the Interpretation Data collection
18	20 Nov. 2014	Tour Agents Association	Meeting about the Workshop for selected Agents (the head of Association)

No.	Date	Organizations	Main Discussions
19	22 Nov. 2014	Head of DOE	Sharing the idea of AP Meeting about the selection of VC site
20	23 Nov. 2014	Head of DOE	Sharing ideas of AP
21	24 Nov. 2014	JPI with Locals	Ab Kenar & Moaf Village Test Tours
22	25 Nov. 2014	Gardeshgaran-e paydar-Institute	Discussion about Interpretation Data collection
23	26 Nov. 2014	Rural Affairs Office	Meeting about the possible support developing ecotourism in villages (the head of Office)
24	30 Nov. 2014	Gardeshgaran-e paydar-Institute	Discussion about Interpretation Data collection
25	30 Nov. 2014	Tour Agents Association	Meeting about Workshop (the head of Association)
26	02 Dec. 2014	Anzali Governor's Office	Sharing the idea of Ecotourism and the AP Presentation: Anzali Wetland Ecotourism AP
27	03 Dec. 2014	SCs and Municipality staff	Visitor Center sites check (Ghalan Gouden, Taleghan, Cheagh Poshtan)
28	06 Dec. 2014	Rural Heritage Museum Staff	Discussion about possible support of developing VC and EC
29	11 Dec. 2014	Tour Agents Association	Workshop for selected Tour agents
30	13 Jan. 2015	GCHHTO	Jirsar Bagher Khaleh site visit
31	17 Jan. 2015	Anzali City Council	Sharing idea of Anzali Wetland Ecotourism AP (Council members)
32	24 Jan. 2015	Rural Affairs Office	Meeting about the support of village activities (the head of Office)
33	25 Jan. 2015	Anzali City Council	Visiting possible VC sites suggested by Anzali City Council members
34	03 Feb. 2015	Jirsar Bagher Khaleh Village Council	The 1st meeting with the village council
35	05 Feb. 2015	JET and GCHHTO	2nd Special Seminar of Gilan Tourism "In Accommodation Diversity and Local Community Development"
36	10 Feb. 2015	Jirsar Bagher Khaleh Village Council & Waste Management SC	Field check together with Waste Management SC checking the possible joint activities at the same area.
37	25 May 2015	JBK Village council	Meeting with head of JBK Village council
38	02 June 2015	White house designing Institute	Meeting with designers for designing a sample of interpretive sign board
39	07 June 2015	DOE, GCHHTO	Site check of possible visitor center site
40	08 June 2015	DOE, GCHHTO	JBK pasture site check for EC and possible activities
41	09 June 2015	White House Designing Institute	Meeting about designing sample interpretive signboards
42	10 June 2015	JBK Village council	Meeting about ecotourism activities in JBK
43	13 June 2015	DOE Gilan, GCHHTO	Site visit of JBK
44	16 June 2015	DOE HQ, DOE Gilan, GCHHTO	DOE HQ interpretive workshop
45	20 June 2015	DOE Gilan, GCHHTO	Visiting possible VC site
46	20 June 2015	DOE Gilan, GCHHTO	Public ecotourism understanding workshop in JBK
47	22 June 2015	Rural affairs office in provincial Governor's office	Meeting with the deputy of Rural affairs office about developing activities in JBK Village
48	23 June 2015	DOE Anzali	Meeting with the head of Anzali DOE about visitor center site in Anzali
49	28 June 2015	Head of architecture faculty in Gilan University	Meeting with Mr. Faroughi about designing of VC

No.	Date	Organizations	Main Discussions
Fiscal Year 2015			
50	04 July 2015	White House Designing Institute	Meeting about designing of a sample interpretive signboard
51	06 July 2015	Gilan Ecotourism committee	Meeting with the head directors of DOE, GCHHTO, NRWGO, and their representatives
52	07 July 2015	Gilan University architectures	Meeting about designing of VC
53	21 July 2015	NRWGO head of pasture department	Meeting about ecotourism activities in pasture area of, JBK Village, process of EC construction
54	23 July 2015	Deputy of Rural Affairs office in provincial Governor's office, JBK Village council, DOE Gilan, GCHHTO	Meeting about developing ecotourism activities in JBK Village
55	25 July 2015	DOE Gilan, GCHHTO, Manager of Anzali horseback riding track	Visiting the horseback riding track to get more information about developing the activity in JBK Village
56	04 Aug. 2015	DOE Gilan, GCHHTO, JBK Village council	Public workshop for villagers about developing ecotourism activities in JBK Village
57	30 Aug. 2015	DOE Gilan, GCHHTO, NRWGO	Meeting with NRWGO experts about the legal process of using JBK pasture for developing ecotourism activities
58	06 Sep. 2015	DOE Gilan, GCHHTO	Site visit of JBK pasture in order to check kayaking activity
59	15 Sep. 2015	DOE Gilan, GCHHTO, JBK Village council	Meeting about developing ecotourism activities in JBK Village, checking the Village council tourism plan
60	05 Nov. 2015	DOE Gilan, GCHHTO	Site check of two other possible villages for developing ecotourism activities
61	10 Nov. 2015	Gilan university architecture students	Meeting about introducing the upcoming interpretive designing workshop
62	17 Nov. 2015	DOE Gilan, Environmental Education SC, DOE Anzali	Meeting about concept designing of VC, preparing the suggested topics for VC interpretive displays
63	18 Nov. 2015	JBK Village council	Meeting about arrangements of upcoming workshops and training programs in JBK Village.
64	22 Nov. 2015	White House Designing Institute	Meeting about interior designing of Anzali visitor center
65	23 Nov. 2015	Gardeshgaren-e-Paydar Institute	Meeting about the cooperation of institute interpretive data collection team in cooking workshops
66	24 Nov. 2015	Ecotourism SC, GCHHTO	Workshop for JBK villagers who were interested in joining ecotourism activities, arranging the schedule of workshops and training programs with the villagers.
67	25 Nov. 2015	Gilan university architecture students	Workshop of interpretive designing for university students.
68	26 Nov. 2015	White House Designing Institute	Meeting about the interior designing of VC and the interpretive display designing
69	29 Nov. 2015	Gardeshgaran-e-Paydar Institute	First cooking workshop in JBK Village.
70	01 Dec. 2015	Handicraft trainer	Meeting about Gilan handicraft and handicraft activities in JBK Village.
71	03 Dec. 2015	Handicraft trainer	Visiting the handicraft trainer's traditional house in order to get the image of a traditional house for Community center of JBK Village
72	03 Dec. 2015	DOE of Anzali	Meeting about VC process of agreements

No.	Date	Organizations	Main Discussions
73	05 Dec. 2105	Ecotourism SC	Visiting JBK Village in order to check the kayak carrier and kayaking test.
74	06 Dec. 2015	White House Designing Institute	Meeting about the details of working contract and the TOR
75	07 Dec. 2105	DOE of Anzali	Meeting about VC process of agreement.
76	08 Dec. 2015	Gilan Rural Heritage Museum manager and designer	Meeting about designing EC in JBK Village pasture.
77	09 Dec. 2015	White House Designing Institute	Meeting about the details of working contract and TOR
78	13 Dec. 2015	Environmental Education SC, Anzali city NGOs	Workshop about interpretation method in environmental education activities.
79	12 Jan. 2016	Gilan Rural Heritage Museum manager and designer	Meeting about designing of EC in JBK Village
80	13 Jan. 2016	Rural Affairs office in Gilan provincial office, JBK Village council	Meeting about the ecotourism activities, workshops and trainings in JBK Village, arranging a time for holding the public workshop for announcing the implementation phase of the activities in JBK Village.
81	14 Jan. 2016	Handicraft trainer	Meeting for checking some of the samples of Gilan handicraft, and requested items prepared by the trainer
82	14 Jan. 2016	Gilan Rural Heritage Museum manager and designer	Visiting the community center site in JBK Village
83	17 Jan. 2016	DOE Gilan, Khomam District Office	Meeting with the head of Khomam district office, in order to give information about latest process of ecotourism activities in JBK Village and making arrangements for the upcoming public workshop in JBK Village.
84	18 Jan. 2016	White House Designing Institute	Meeting about interior designing and display designing of VC
85	19 Jan. 2016	Gilan Rural Heritage Museum manager and designer, GCHHTO, DOE	Meeting about the first draft designing of EC in JBK Village
86	19 Jan. 2016	DOE of Anzali	Meeting about the process of VC process
87	21 Jan. 2016	GCHHTO, DOE Gilan, Rural Affairs office of provincial governor's office, Khomam district office, JBK Village council	Public workshop for villagers in JBK, for official announcement of the start of the implementation phase of developing ecotourism activities
88	23 Jan. 2016	White House Designing Institute	Meeting about making contract for interior designing and interpretive displays of the Anzali visitor center
89	23 Jan. 2016	Gilan Rural Heritage Museum manager	Discussion about contract for designing EC
90	24 Jan. 2016	DOE Gilan, DOE Anzali	Meeting about VC MOM
91	25 Jan. 2016	Gilan Rural Heritage Museum manager	Meeting about contract for designing EC
92	25 Jan. 2016	White House Designing Institute	First Workshop of interior designing and interpretive display designing for VC
93	26 Jan. 2016	Trainer and trainees	First checking level workshop for handicraft activities in JBK Village.
94	27 Jan. 2016	Kayaking trainer	Meeting with kayak trainer for making contract
95	27 Jan. 2016	White House Designing Institute	Second Workshop of interior designing and interpretive display designing for VC

No.	Date	Organizations	Main Discussions
96	28 Jan. 2016	Gilan Rural Heritage Museum manager	Meeting about contract for designing EC
97	30 Jan. 2016	Gareshgarn-e-paydar institute	Second Cooking Workshop in JBK Village
98	30 Jan. 2016	White House Designing Institute	Third Workshop of interior designing and interpretive display designing for VC
99	31 Jan. 2016	Handicraft trainer	Meeting about making contract for handicraft training in JBK Village
100	31 Jan. 2016	Trainer and trainees	Second level checking handicraft workshop in JBK Village
101	31 Jan. 2016	Gilan Rural Heritage Museum manager and designer	Meeting about submission the working plan schedule of designing
102	01 Feb. 2016	White House Designing Institute	Forth Workshop of interior designing and interpretive display designing for VC
103	03 Feb. 2016	White House Designing Institute	5th Workshop of interior designing and interpretive display designing for VC
104	04 Feb. 2016	Gilan Rural Heritage Museum manager and designer	Visiting Gilan Rural Heritage museum for checking the samples of traditional houses
105	06 Feb. 2016	White House Designing Institute	6th Workshop of interior designing and interpretive display designing for VC
106	06 Feb. 2016	DOE Gilan, NRWGO	Meeting about approved ecotourism pasture and the required upcoming process of implementing the ecotourism pasture plan
107	07 Feb. 2016	White House Designing Institute	7th Workshop of interior designing and interpretive display designing for VC
108	08 Feb. 2016	White House Designing Institute	8th Workshop of interior designing and interpretive display designing for VC
109	09 Feb. 2016	White House Designing Institute	9th Workshop of interior designing and interpretive display designing for Anzali visitor center
110	10 Feb. 2016	Handicraft trainer	1st handicraft training workshop in JBK Village
111	11 Feb. 2016	White House Designing Institute	Workshop of interior designing and interpretive display designing for VC
112	13 Feb. 2016	White House Designing Institute, Environmental education SC	11th Workshop of interior designing and interpretive display designing for VC
113	13 Feb. 2016	Trainer and trainees	Practice of crafting (JBK)①
114	17 Feb. 2016	Trainer and trainees	Practice of crafting (JBK)②
115	17 Feb. 2016	Trainer and trainees	Final handicraft training workshop in JBK Village
116	20 Feb. 2016	Trainer and trainees	Practice of crafting (JBK)③
117	24 Feb. 2016	Trainer and trainees	Practice of crafting (JBK)④
118	27 Feb. 2016	Trainer and trainees	Practice of crafting (JBK)⑤
119	01 Mar. 2016	Trainer and trainees	Practice of kayaking (JBK)①
120	02 Mar. 2016	Trainer and trainees	Practice of crafting (JBK)⑥
121	05 Mar. 2016	Trainer and trainees	Practice of crafting (JBK)⑦
122	09 Mar. 2016	Trainer and trainees	Practice of crafting (JBK)⑧
123	09 Apr. 2016	Trainer and trainees	Practice of kayaking (JBK)②
124	13 Apr. 2016	Trainer and trainees	Practice of crafting (JBK)⑨
125	15 Apr. 2016	Study Tour	Study tour for local villagers to visit model sites.
126	16 Apr. 2016	Trainer and trainees	Practice of crafting (JBK)⑩
127	20 Apr. 2016	Trainer and trainees	Practice of kayaking (JBK)③
128	23 Apr. 2016	Trainer and trainees	Practice of kayaking (JBK)④

No.	Date	Organizations	Main Discussions
129	27 Apr. 2016	Trainer and trainees	Practice of kayaking (JBK)⑤
130	04 May 2016	Trainer and trainees	Practice of kayaking (JBK)⑥
131	10 May 2016	Trainer and trainees	Practice of kayaking (JBK)⑦
132	14 May 2016	Trainer and trainees	Practice of kayaking (JBK)⑧
133	18 May 2016	Trainer and trainees	Practice of kayaking (JBK)⑨
Fiscal Year 2016			
134	30 Aug. 2016	Handy craft and Cooking Working Group	Cooking and handy craft working group meeting on traditional market and cost of the products
135	06 Sep. 2016	Rural Affairs Office, Gilan Provincial Governor Office	Construction works of EC and site visit to JBK with Mr. Yousefi Meeting with Rural
136	29 Sep. 2016	Rural Affairs Office, Gilan Provincial Governor Office, Village Assistance Office	Necessary substructures for EC in JBK
137	04 Oct. 2016	NRWGO	Meeting with experts of NRWGO on soil road construction from the entrance of pasture to Ecotourism Center
138	04 Oct. 2016	Supervision Engineer of Ecotourism Center (EC) in JBK	Meeting with Mr. Masoudi (Chief Supervisor of EC) about Construction of EC
139	06 Oct. 2016	DOE Gilan	Meeting with Technical Deputy of DOE Gilan on EC
140	08 Oct. 2016	Rural Affairs Office, Gilan Provincial Governor Office	Gardening and fencing of EC in JBK
141	15 Oct. 2016	Dana Insurance Agency	Discount of Kayaking Insurance cost
142	15 Oct. 2016	White House Gallery	Internal designing of VC in Anzali
143	16 Oct. 2016	Kayaking trainer	Kayaking training plan and Safety Management
144	17 Oct. 2016	Cooking Working Group	Issues of traditional Market
145	18 Oct. 2016	Handy craft Working group	Making creative model of handy crafts related to the Anzali Wetland
146	19 Oct. 2016	Anzali Municipality, DOE Anzali, DOE Gilan	VC Meeting
147	20 Oct. 2016	Supervision Engineer of Ecotourism Center in JBK	Meeting with Mr. Masoudi (Chief Supervisor of EC) about Construction process of EC and time schedule based on weather condition
148	22 Oct. 2016	Supervision Engineer of Ecotourism Center in JBK	Meeting with Mr. Heidari (Supervision engineer of EC construction) about cost estimation of Kayak storage
149	22 Oct. 2016	Working group meetings	Hearing the ideas of all working groups
150	22 Oct. 2016	Kayaking Working group	Feed backs of kayaking practices
151	26 Oct. 2016	Islamic Council and Village Assistance Office of JBK	Workshops holding and future issues of villagers in traditional market
152	20 Oct. 2016	Supervision Engineer of Ecotourism Center in JBK	Meeting with supervision engineer of EC
153	01 Nov. 2016	Handy craft and Cooking Working Group	marketing and selling methods
154	05 Nov. 2016	Kayaking Working group	Safety management
155	06 Nov. 2016	Working group meetings	Issues in traditional market
156	07 Nov. 2016	Handy craft Working group	Encourage the villagers to make more creative models of handy craft related to the wetland
157	08 Nov. 2016	Kayaking Working group	Work sharing in kayak tour, and necessity of adding more members as kayaking local guides
158	22 Nov. 2016	Working group meetings	Waste management in traditional market and improve the quality of products
159	26 Nov. 2016	Cooking Working Group	Health, Cleaning, using suitable packs, dishes and rapping

No.	Date	Organizations	Main Discussions
160	29 Nov. 2016	Supervision Engineer of Ecotourism Center in JBK	Meeting with Mr. Masoudi (Chief Supervisor of EC) about Construction process of EC and time schedule based on weather condition
161	01 Dec. 2016	Khomam District Office	Road and power line in EC, JBK
162	20 Dec. 2016	Cooking Working Group	Quality of products and how to behave with the costumers by sellers in traditional market
163	20 Dec. 2016	Rural Affairs Office, Gilan Provincial Governor Office	Power line, access road and allocate recycle bin provision in EC
164	27 Dec. 2016	Meeting with Board of Trustees of JBK mosque, on handy craft training WS Venue	Handy raft workshop venue (Mosque)
165	05 Jan. 2017	NRWGO	Allocation of tree sapling by NRWGO to EC garden
166	11 Jan. 2017	Working Groups Meeting	Same cost for same products, feedbacks of costumers
167	11 Jan. 2017	GWYES Gilan Women and Youth Environment Conservation Society	Cleaning event in JBK after Nowruz holidays
168	14 Jan. 2017	Rural Affairs Office, Gilan Provincial Governor Office, Rasht Governor Office, NRWGO, DOE Gilan, GCHHTO, GCHHTO	Conducted activities in JBK under Ecotourism SC and possible activities in future by Iranian side and JET
169	16 Jan. 2017	Khomam District Office	Cleaning event in JBK, necessary substructures such as power and road
170	17 Jan. 2017	Working Group	Protecting the EC after operation
171	18 Jan. 2017	Islamic Council and Village Assistance Office of JBK	Meeting with Islamic Council and Village Assistance Office of JBK and Supervision engineer of EC about concluding the gardening contract
172	08 Feb. 2017	Working Groups Meeting	Necessary cooking equipment in EC
173	11 Feb. 2017	Khomam District Office, JBK Village Assistance Office, DOE Gilan	Opening ceremony of EC after Nowruz
174	13 Feb. 2017	Handy craft Working group	Creative handy crafts related to the Anzali Wetland
175	01 Mar. 2017	Working Groups Meeting	Cleaning and tree planting in EC
176	02 Mar. 2017	Working Groups Meeting	Painting of Center, cleaning of EC and garden
177	14 Mar. 2017	Rural Affairs Office, Gilan Provincial Governor Office	Soil access road, power line supply in order to use the EC in Nowruz and after that
178	09 Apr. 2017	Sarzamin-e Ideale Ma Institute	Meeting with Sarzamine-e Ideale ma and JICA Education team to coordinate cleaning program in JBK
179	11 Apr. 2017	Khomam District Office, JBK Village Assistance Office	Planning for cleaning program
180	07 May 2017	Rural Affairs Office, Gilan Provincial Governor Office, JBK Village Assistance Office	Gazebo construction in EC yard by Rural Affairs Office
Fiscal Year 2017			
181	03 Aug. 2017	The head of PBO, DOE	The head of PBO visits EC as a model of CBET sites.
182	12 Aug. 2017	DOE	The possibility of loan to the villagers for making Ecolodge by Rural Affairs office coordination

No.	Date	Organizations	Main Discussions
183	13 Aug. 2017	DOE, Khomam District office, Rural Affairs office, GCHHTO, Village council and Dehyar	The possibility of loan to the villagers for making Ecolodge by Rural Affairs office coordination
184	30 Aug. 2017	Khomam District office, Village council and Dehyar	Opening Gazebo by Khomam District officer.
185	29 Oct. 2017	Aras and Anzali Free Zone	The head of Aras and Anzali Free Zone visits EC as a model of CBET.
186	28 Dec. 2017	DOE HQ, DOE and Dehyar	The Marine Deputy of DOE HQ visits EC.
187	06 Jan. 2017	Khomam District office, GCHHTO, and Khomam Horseback Riding Association	Possibility of making horseback riding in the pasture.
188	31 Jan. 2018	NRWGO	Lecture by JET about CBET development.
Fiscal Year 2018			
None			

Source: JICA Expert Team

3.6.3. Preparation and Implementation of the Action Plan

In recent years, the Iranian government has identified ecotourism as an important policy for conserving the nature and economic development. In addition, the Anzali Wetland ecotourism can be one of the good practices in developing ecotourism in Iran.

The action plan is the follow-up plan of 1st Phase of “Action Plan of Anzali Wetland Ecotourism” developed by Gilan Department of Environment and JET (JET) for the Anzali Wetland Ecological Management Project in 2012. The previous plan was more like a general plan which was based on the results of some test tours. The action plan of this 2nd Phase was prepared by Ecotourism Sub-committee (SC) members and JET more realistically and feasibly with careful reviews of the previous action plan, sites selection surveys, and intensive discussions among SC members and JET.

(1) Objectives of the Action Plan (Fiscal Year 2014 – 2018: 5 years)

The objectives of the Anzali Wetland Ecotourism Action Plan are as follows.

- 1) Develop two Community-based Ecotourism (CBET) model villages managed by community members and an Ecotourism Center in the model village as the hub of CBET activities.
- 2) Develop Anzali Wetland Visitor Center in order to provide the interpretation of the Anzali Wetland conservation and environmental education for tourists and local people.
- 3) Give necessary technical supports to the Iranian counterparts in CBET.
- 4) Make the Anzali Wetland as one of the successful ecotourism model area in Iran.

(2) Outline of the Action Plan

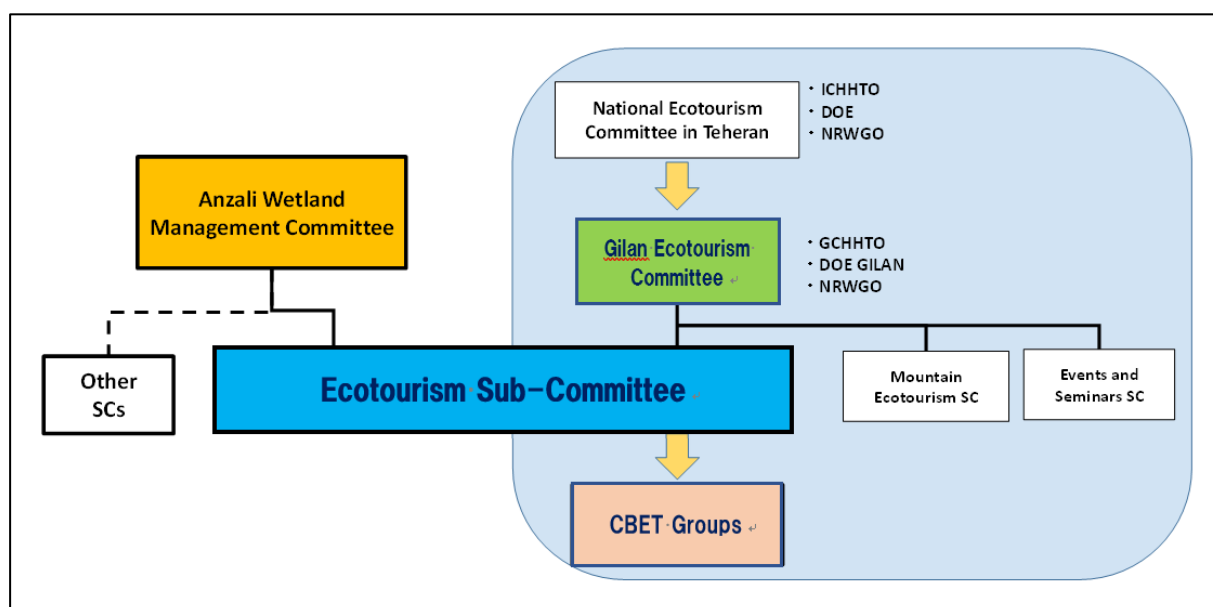
The following are the activities of Action Plan prepared by the SC during 1st Fiscal Year 2014 of the project. The Action Plan is shown in Attachment 3.6-1.

1) Action Plan

The Action Plan includes all activities and plans under the AWMC in five years. The Action Plan will be reviewed when it's necessary.

2) Institutional Structure

Holding meetings with Gilan Ecotourism Committee every 6 months and meetings with Anzali Wetland Ecotourism Secretariat every 3 months. The final decisions will be made under the Gilan Ecotourism Committee, and the approvals will be followed by the Anzali Wetland Ecotourism Secretariat in order to develop a concrete structure.



Source: JICA Expert Team

Figure 3.6-1 Institutional Structure in the Anzali Wetland Ecotourism

3) Ecotourism Resource Database as Interpretation Data Survey

In order to develop ecotourism resource database for future ecotourism activities, 100 interpretive stories are collected. It is used in developing ecotourism programs in the villages and signboards or interpretive displays in Visitor Center or Ecotourism Center.

4) Basic Tourism Flow Survey

In order to find general tourism flow in the Anzali Wetland area, basic tourism flow survey is conducted. The data is analysed by the expert and survey results are used in future developmental activities in order to focus on the target of ecotourism activities.

5) Ecotourism Site Selection (2 villages)

Based on the following criteria, two villages are selected as pilot model villages.

- The villagers demonstrate strong willingness to engage in conservation and ecotourism activities.
- The villagers live in or surrounded by wetland.
- The villagers have high dependence on wetland.
- The villagers are a high prevalence of poverty.
- The villagers have good linkages with other villages, e.g., the village has a market and/or other facilities and services that attract people from surrounding villages.
- There is some local organization with strong leadership.
- The organization demonstrates willingness to perform better.
- Local has a good performance record of activities in wetland area.
- Containing a rich cultural and natural resources.
- Accessibility to the important tourism target market such as Rasht or Anzali.
- Containing related handicrafts to the Anzali Wetland
- Possibility of constructing basic utilities or catering the tourists in local houses.
- Having appropriate space for constructing the Ecotourism Center in village.

6) Ecotour Product Development:

CBET products are developed with the involvement of local people. The number of target villagers is 20 local guides in each village. All the activities will be continued until FY 2018 under the Ecotourism Sub-committee of AWMC during the project and after that, it will be managed by the Village CBET Group supported by relevant organizations. The same activities will be done in the second village, based on the experiences of the first village.

7) Workshops and Trainings:

CBET guide trainings and workshops are conducted. In order to have better support in development of the activities, some workshops are conducted by experts for the decision makers, tour agents, tour guides and other stakeholders.

8) Ecotourism Center in Selected Villages

The Ecotourism Center is expected to work as a place for developing ecotourism activities such as indoor activities during the bad weather, and an exact community center for the local people. The center will be the hub for all the ecotourism activities in the villages. The center design

must be based on traditional architecture which is going to be done by an expert. The center will be constructed by the local carpenter supported by some young people in the village, in order to keep and revive their traditional culture, and develop their willingness, proud and appreciation and continue the activities more sustainably. Local materials will be used for setting the displays and providing a better interpretation for the tourists. Management of the facilities will be the most important thing, as with a poor management system any facility will be destroyed. Management trainings will be conducted for the locals by the experts. Monitoring and evaluation must be considered as an important factor of sustainability. The same activities will be implemented for the second selected village.

9) Guidelines (Rules and Regulations, and Zoning)

The purpose of making the guideline is to protect the environment in ecotourism activities, and also protecting from possible risks for the tourists, local guides, nature guides and other stakeholders. Based on the targets, the way of sharing the guidelines will be different. The information will be shared like a poster or a booklet to the tour guides, and other stakeholders. Signboard will be designed in order to share the guidelines for the tourists. Signboards should be readable, and in a friendly manner, sometimes using drawings can be helpful to transfer the message better and attract the tourists. The target total number of the signboards will be eight. The previous guidelines which were made during the last project phase is carefully reviewed and develop comprehensive ones.

10) Marketing, Promotion and Branding

The web site will be developed and managed and followed by the selected association. Promotional signboards will be set at the right site in order to promote ecotourism activities around the villages and visitor center. There will be more promotional activities after developing ecotours during the action plan. Developing branding image is also important for CBET. Use of traditional crafts, tools and uniforms (dresses) as much as possible to keep traditional Gilanian culture and give messages to tourists.

11) Facility Development (Development of Anzali Wetland Visitor Center)

Anzali Wetland Visitor Center in Anzali City will be the hub for all the ecotourism activities, conservation, education and promotion of ecotourism activities in Anzali Wetland areas. As the center is an educational center not just a building, a careful exterior and interior designing based on interpretation strategies needs to be considered.

12) Development of Mid-term Plan

The Mid-term Plan will be developed based on the model which will be developed, to spread out the idea in or around the Anzali Wetland. The Mid-term Plan till year 2030 after finishing the project is developed by DOE Gilan, GCHHTO, and NRWGO supported by JET.

(3) Progress and Achievement

1) Action Plan

The Action Plan was carefully reviewed at the SC meetings and changed some parts due to the field condition and situations of Iranian side.

2) Institutional Structure

There was no clear institutional structure related to the Anzali Wetland Ecotourism. Without the institutional structure, it is impossible to success any ecotourism activities in the Anzali Wetland areas. Important policies must be made under the Gilan Ecotourism Committee, and the approvals will be followed by the Anzali Wetland Ecotourism Secretariat in order to develop a concrete plan.

Though meetings were tried to be held with Gilan Ecotourism Committee every 6 months and meetings with Anzali Wetland Ecotourism Secretariat every 3 months, only one committee meeting was held during the project period.

3) Ecotourism Resource Database as Interpretation Data Survey

In order to develop ecotourism activities, 100 unique stories which were available in and around the Anzali Wetland, were collected before starting any activities or even selecting sites to be used for program development, guide training, displays for visitor center, etc. There were some unique local stories which had strong message for conservation and preservation of traditional culture, helped our ecotourism development activities. Interpretation Database is shown in Attachment 3.6-2.

4) Basic Tourism Flow Survey

In order to find general tourism flow in the Anzali Wetland area, basic tourism flow survey was conducted. The Contingent Valuation Method (CVM) questionnaires had been prepared by an expert team, and two researchers were hired in order to conduct the research in Anzali City. 240 questionnaires were distributed. Data has been analysed by the expert. Survey results will be used in future developmental activities in order to focus on the target of ecotourism activities. Basic Tourism Flow Survey is shown in Attachment 3.6-3.

Considering the results from the survey, the conclusion and accordingly the recommendations would be as follows:

- Biggest portion belonged to the travellers who come from Tehran, with their families, either white-collar worker, or running their own business. They consider boat riding as main activity in the Anzali Wetland; bird watching can be the second major activity.
- Number of visitors for those who are more familiar with the Anzali Wetland and the importance and beauties of its natural resources, is more than others, and they show more

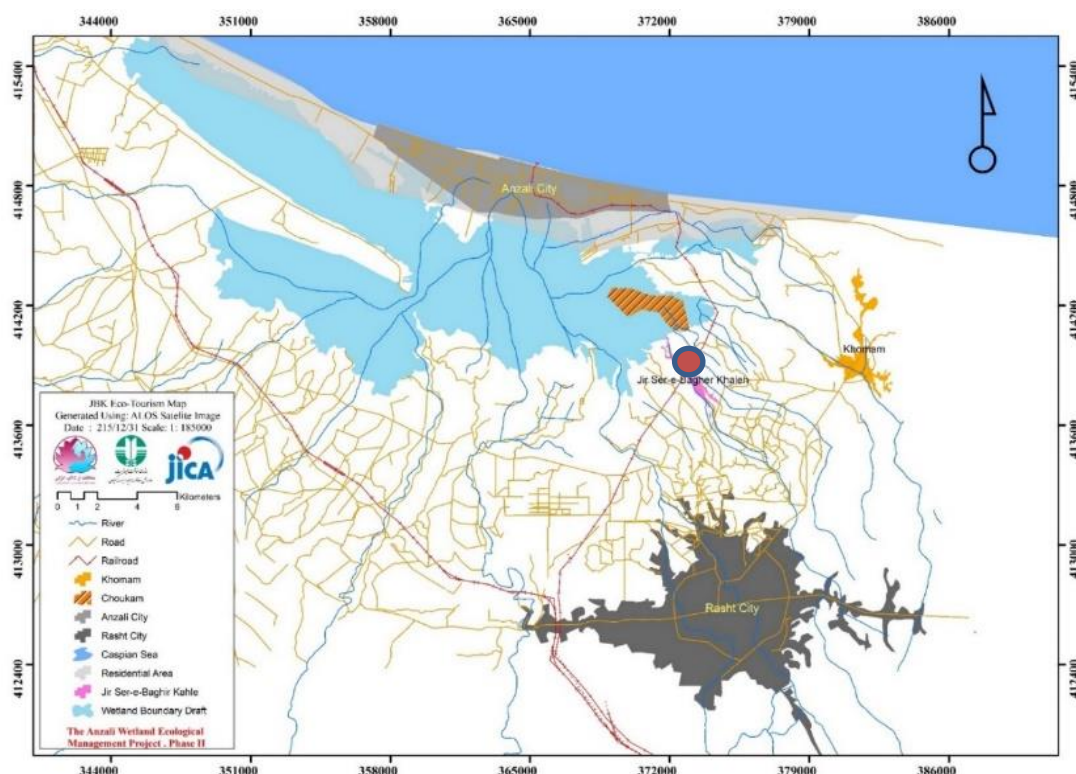
willingness to pay for improvement of natural resources and protection of wetland biodiversity.

5) Ecotourism Site Selection

Based on the criteria, Jirsar Bagherkhaleh Village was selected as the first pilot village out of 42 villages around the Anzali Wetland mainly because of the unique resources including pasture areas, rivers and bird species and accessibility from the city and the strong motivation of village council leader. In order to follow the official process of developing CBET in Jirsar Bagherkhaleh village, it was necessary to receive the required approvals of the three head directors of related organizations, which are DOE Gilan, GCHHTO, and NRWGO. A meeting was held as the first Gilan Ecotourism Committee meeting on 6th July 2015. During this meeting, the village was approved as the first pilot village for developing ecotourism activities. Suggested possible activities such as kayaking, traditional cooking, handicraft and bird watching, were discussed in this meeting. Village Selection Report is shown in Attachment3.6-4)

Following items were approved under the meeting. Minutes of Meeting is shown in Attachment3.6-4)

- Approving Jirsar Bagherkhaleh Village in Khomam district as the pilot village for developing CBET activities.
- NRWGO will support the project in Jirsar Bagherkhaleh Village through providing necessary information or available studies of the area, in order to develop CBET activities in Jirsar Bagherkhaleh Village.
- NRWGO agreed on transferring the 6-hectare pasture area of Jirsar Bagherkhaleh Village for developing CBET activities under the prepared NRWGO pasture plan of this organization and CBET plan prepared by the Ecotourism SC which has been approved on 2 January, 2016.



Source: JICA Expert Team

Figure 3.6-2 Site Map of Jirsar Bagherkhaleh Village

Based on the agreement of the Ecotourism SC, the budget of developing the first pilot site is mainly covered by JICA side and the second one is covered by Iranian side based on the first one's experience assisted by JET. However, due to the lack of participation of counterparts' members in the field and counterpart budget, development of the second pilot Village was not realized. Under such situation, the project focused on and spend more time at the first site. As result, Jirsar Bagherkhaleh Village was developed as one of the best CBET model site in Iran, working closely together with local villagers.

3.6.4. Implementation of the Joint Pilot Activities

(1) JPA-1: Development of ecotourism product in Jirsar Bagherkhaleh Village

1) Ecotour Product Development

CBET products, also called programs, are the ecotours provided for the tourists by local guides. The products need to be enjoyable and educational experiences with safety. The guides should provide educational nature information and also traditional culture information for protecting the Anzali Wetland. In order to make ecotourism successful, it is necessary to involve locals from the beginning stage of the activities, including products development, so locals will appreciate and respect them as their own products. In order to develop ecotourism activities in

the village, firstly more detailed feasibility studies were conducted. During these studies all the possible ecotourism activities were reviewed based on the available potentials of the village and villagers' motivation. Activities such as kayaking, bird watching, handicraft and traditional cooking were the selected activities under the Ecotourism SC. During the feasibility study, villagers who were interested in joining training activities were also identified.

2) Workshops and Trainings

a) Public Workshops

In order to clarify the ecotourism development activities in the village and make a better relationship between the Ecotourism SC and locals, DOE Gilan and GCHHTO SC members implemented several public workshops to present different items about ecotourism and the necessity of Anzali Wetland protection. The workshop emphasized on protection and the local community benefit through conservational activities under CBET. Some of the locals were interested in joining different ecotourism activities or being local guides in the future and share their ideas about activities.

In order to keep the motivation of local people and show them the official support of different related organizations from the project, the workshop was held on 21st January 2016 at the mosque of JBK. It was also an official announcement of the start of the implementation phase of the project in the village. The results of the current conducted activities were shared for the public, and also all the attempts which have been made to prepare the situation for developing ecotourism activities were presented. Deputy of tourism in GCHHTO, expert in DOE Gilan and deputy of Rural Affairs Office in Provincial Governor's office present lectures for the locals and showed their support and satisfaction of all the current activities in village. People asked their questions about the project and shared their ideas to the officials. Total numbers of participants were 160 persons.



Source: JICA Expert Team

Figure 3.6-3 Picture of Official Announcement of Project Implementation Phase

b) Trainings

After seeing the villagers' motivation in doing the activities, training plans for locals were determined. As all these activities were going to be conducted for empowering locals and creating more jobs in the future, locals needed to learn how to conduct each activity correctly.

b-1) Kayak Training

In order to attract tourists, there is definitely necessary to have unique attraction comparing with other areas. The strong selling points of Jirsar Bagherkhaleh Village are two beautiful rivers connected to the Anzali Wetland in the pasture next to the village. The rivers are not so deep and wide, but suitable for visitors to enjoy the kayaking safely. Therefore, the kayaking was selected as one of the main CBET activities.

- Basic Kayak Training: Safety management of kayaking is extremely important, so at first local people were introduced with the general activity during the feasibility study phase. And after different meetings and discussions among the SC members, the deputy of Anzali Recreational Boat Riding Association was selected as trainer organization for kayak training in JBK Village. The basics of paddling and controlling kayak has been trained many times. One of the local trained persons were selected as the head of kayaking group, in order to manage the activity during the ecotours in future.
- Advance Training: Without protecting him/her self as a guide, it is impossible to protect his/her guests. Therefore, provided two preparatory swimming training courses by local experts. Additionally, all six kayak members received certifications of 3 days safety management training workshop in Qazvin Province under National Boating Federation.



Basic Kayak Training



Advance Kayak Training



Source: JICA Expert Team

Figure 3.6-4 Pictures of Kayak Trainings and Kayak Ecotours

b-2) Handicraft Training

Selling traditional handicraft products using different wetland plants are one of the tourist attractions in the Anzali Wetland and the sounding area, taking advantage of the geographical advantage. In recent years, most of the products look same and are un-innovative designs which cannot attract tourist. Based on high motivation and interest of participants during the basic training course last year, the Ecotourism SC decided to hold complementary training course, so the participants were able to be familiar with different skills to make creative and unique crafts relates to the nature of the Anzali Wetland. After the careful discussions with local trainer, eight models of crafts were selected such as turtle, horse, flower pot, bird nest, and key holder like fish, bird, and curtain. After many trainings, local CBET group started selling different items and received income at the Ecotourism Center.



Source: JICA Expert Team

Figure 3.6-5 Pictures of Handicraft Trainings and Craft Shop in the Ecotourism Center

b-3) Traditional Cooking Training

Serving traditional foods and selling local products can attract many tourists and provide many jobs, especially for local ladies. Until the completion of the Ecotourism Center, local ladies sold their food products such as pickles, sauces like tomato or pomegranate, vegetable, eggs, traditional bread, cookies, sweets at the entrance of Jirsar Bagherkhaleh Village. This activity can help them to improve their cooking skills, hospitality skills following the feedback from customers visited to the market. After the opening of Ecotourism Center, the villagers were trained by local experts especially for serving tea and traditional foods at the gazebos supported by Gilan Rural Affairs Office and for selling local food items at the center. Making test tours inviting tourists and agents made local cooking group improve their skills.





Source: JICA Expert Team

Figure 3.6-6 Pictures of Selling Traditional Food Products and Meals

b-4) Bird Watching Training:

A training of bird watching as the 4th CBET activity was held in JBK in cooperation with Avaye Arasbaran Educational Institute in Tehran and Iranian bird watching expert team. The goal of holding the training was providing new jobs opportunity instead of illegal hunting to local legal and illegal hunters in JBK for the wetland conservation. This institute and expert team will continue to provide trainings for the hunters and bring bird watchers to the sites through their ecotours especially from Tehran, for local hunters to become bird watching ecotour guides in future.



Source: JICA Expert Team

Figure 3.6-7 Pictures of Bird Watching Trainings for Local Hunters in JBK

c) CBET Management Workshops for Working Group

Even though local villagers become good interpretive guides for CBET, without management of the CBET coordinated by local villagers, it will be failed. Since all ecotourism activities are managed by local CBET group in the future, the project invited them to make a draft management system (guidelines) of all CBET activities in JBK. Having meetings simpler, each activity group from handicraft, cooking and kayaking was asked to select 3 persons each who can have good leaderships and develop Working Group (WG) members together with Dehyar and village council members to discuss about the difficulties and solutions for CBET activities. The working group workshops were held every week and during the working group workshops, they had made various decisions such as selection of the cooking equipment within the budget, and decoration of the center, plan of opening ceremony. One of the most critical decisions was to collect 10% of all income through CBET activities as management fee for hiring guards and purchasing equipment. In addition, in order to solve the issue of the center protection at night, it had been decided Dehyar be responsible for guarding in the first 6th month of the year and CBET group supports the financial of security guard for the second 6 months.

This participatory approach makes the result so much difference especially like CBET activities. If giving local people more decision making, local people take responsibility for the work more deeply.



Source: JICA Expert Team

Figure 3.6-8 Picture of CBET Management Workshop for Working Group

(2) JPA-2: Ecotourism Center Development in Jirsar Bagherkhaleh Village

1) Background and objective(s)

The Ecotourism Center acts as village ecotourism meeting site, program site in case of adverse weather conditions, cultural experience site, interpretive information display site, and community meeting site. Main purpose of the center is to provide job opportunities for local villagers at Jirsar Bagherkhaleh Village through the following ecotourism activities;

- Cultural ecotourism activities: serving traditional snacks and foods, selling traditional crafts, teaching how to make traditional foods and crafts to visitors, etc.
- Nature ecotourism activities: safety management lectures and dressing rooms for kayaking participants, lectures of bird watching before and after the tours, etc.
- Information and Interpretation: maps of the pasture, safety rules, guidelines of ecotourism activities, pictures of birds, other necessary cultural items, etc.



Source: JICA Expert Team

Figure 3.6-9 Image Design of Ecotourism Center



Source: JICA Expert Team

Figure 3.6-10 Location of Ecotourism Center (1)

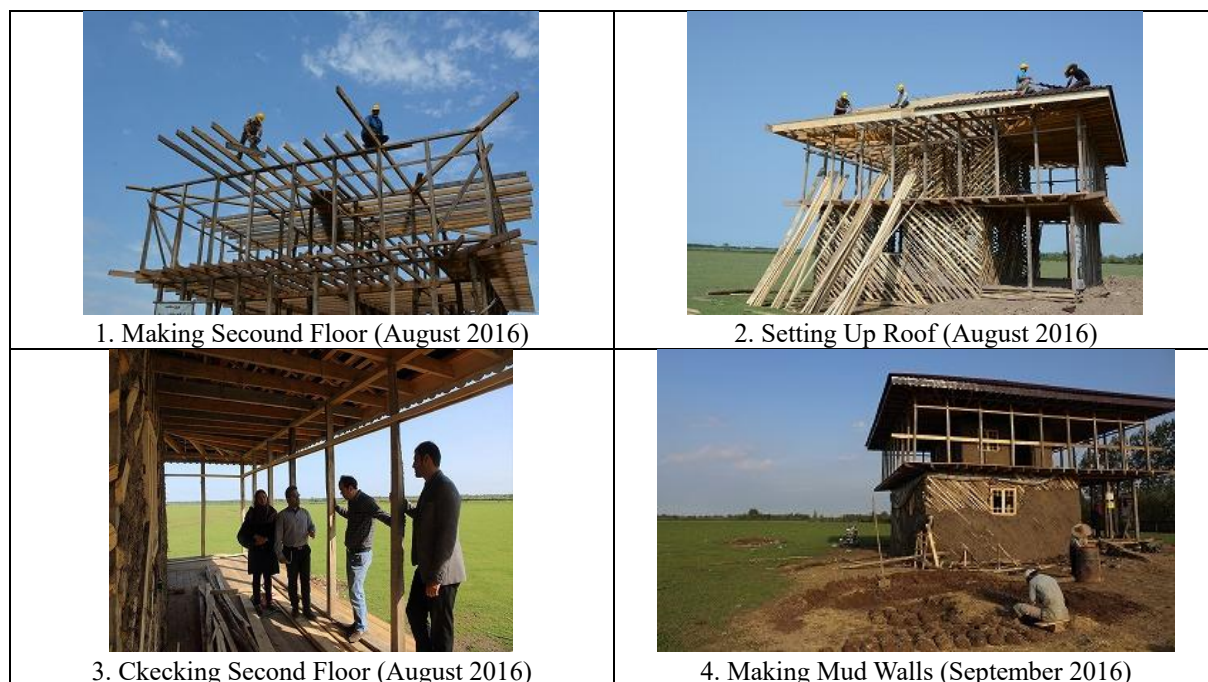












Source: JICA Expert Team

Figure 3.6-11 Location of Ecotourism Center (2)

2) Construction and Completion of Ecotourism Center

Even though the construction was approved in February 2016 by the pasture land owner of NRWGO, DOE Gilan stopped the construction more than six month. Then, the construction work was started from August 2016 and took nine months to complete in April 2017 due to the bad weather conditions.



 <p>5. Making Mud Walls (September 2016)</p>	 <p>6. Making Kitchen (September 2016)</p>
 <p>7. Drying Mud Walls (December 2016)</p>	 <p>8. Painting Poles (March 2017)</p>
 <p>9. Dried Mud Walls (March 2017)</p>	 <p>10. Dried Mud Walls (March 2017)</p>
 <p>11. Market Floor (1st floor) (April 2017)</p>	 <p>12. View from Center (April 2017)</p>
 <p>13. Craft Shop (2nd floor) (April 2017)</p>	 <p>14. Kitchen (April 2017)</p>



15. Complete Ecotourism Center (April 2017)

Source: JICA Expert Team

Figure 3.6-12 Photos of Construction Process of Ecotourism Center

3) Budget Sharing (Japan Side)

a) Toilet

In addition to the construction of Ecotourism Center, four toilets (2 for men and 2 for women), with six 8m³ septic tanks and two 8 m³ degreasing machines for the waste water of toilets and kitchen were installed. The maximum capacity of septic tanks is 500 persons each day. The constructed period was from 27th August to 12th October 2017. After the construction of toilets, fences around the toilet were installed.



Source: JICA Expert Team

Figure 3.6-13 Photos of Toilet, Septic Tanks and Fences

b) Awareness Raising Signboards

Thirteen awareness raising signboards for waste management were installed along the riverside of Jirsar Bagherkhaleh Village, the pasture and Ecotourism Center, working together with Waste Management SC on 12th March 2018. In order to attract more villagers and tourists, the signboards were designed by local artists with the different characters related to Anzali Wetland wildlife. After the installation of the signboards, it seems less waste were observed.



Source: JICA Expert Team

Figure 3.6-14 Photos of Awareness Signboards

c) Installing Kayak Storage

In order to set up kayaks to the kayak station more easily from the pasture area, not from the previous site in the middle of village, a kayak storage was installed inside the village football ground next to the Ecotourism Center after receiving the approval of village council, Dehyar and Football Ground Management Board of the village. It was completed on 20th February 2018.



Source: JICA Expert Team

Figure 3.6-15 Photo of Kayak Storage

4) Budget Sharing (Iranian Side)

One of the main goals of the project was to implement the conservation activities to protect the Anzali Wetland working together with Iranian side and Japan side as JPAs. Many stakeholders especially Gilan Provincial Governor in Developmental Affairs, Khomam District office, and NRWGO supported the Ecotourism SC activities economically, physically and socially. All budget from Iranian side were coming from Gilan Provincial Governor Office coordinated by Khomam District office and Dehyar.

The followings are activities which Iranian side supports economically.

a) Fencing

In order to keep livestock and illegal intruders from coming to the Ecotourism Center, 150-meter fence encompassing the center was constructed on 15 December 2016. Local ladies supported painting the fence voluntarily and the materials were provided by both Iranian and Japan sides.



Source: JICA Expert Team

Figure 3.6-16 Photos of Painting Walls by CBET Group

b) Gardening

The garden of the center was made by villagers voluntarily assisted by local experts from 28th January to 5th March 2017.

c) Tree Planting Event

Gardening of the center was done simultaneous to the tree planting week including planting some trees, flowers and decorative plants. NRWGO provided 80 saplings to the garden. Khomam District Office also allocated the budget of seasonal and permanent flowers and trees such as fruitful trees. Tree planting event was conducted on 4th March 2017 with attendance of Khomam District Officer, Religious Leader of Khomam, JET, some journalists, mass-media reporters of Gilan Province and villagers of Jirsar Bagherkhaleh. On 13th March 2018, the CBET members again did planting at the garden of the Ecotourism Center supported by NRWGO, Dehyar, and JET by giving tree saplings.





Source: JICA Expert Team

Figure 3.6-17 Photos of Tree Planting Event

d) Road, Electric Power Lines and Poles

The road and electric power lines and poles from the entrance of the pasture to the center were provided.



Source: JICA Expert Team

Figure 3.6-18 Photos of Road, Electric Power Line and Poles to the Ecotourism Center

e) Cleaning Event

In order to clean the village and surrounded area of the center, a Cleaning Even was conducted on Friday 21st April 2017, coordinated by NGO in Gilan. Over 150 people were participated in this event including 105 members of NGO, Khomam District Officer and people of the village cleaned the village and along the Tashrood-river inside of the village for about 5-km long.

Simultaneously to cleaning event, an environmental education program was conducted in the village by the Environmental Education SC.

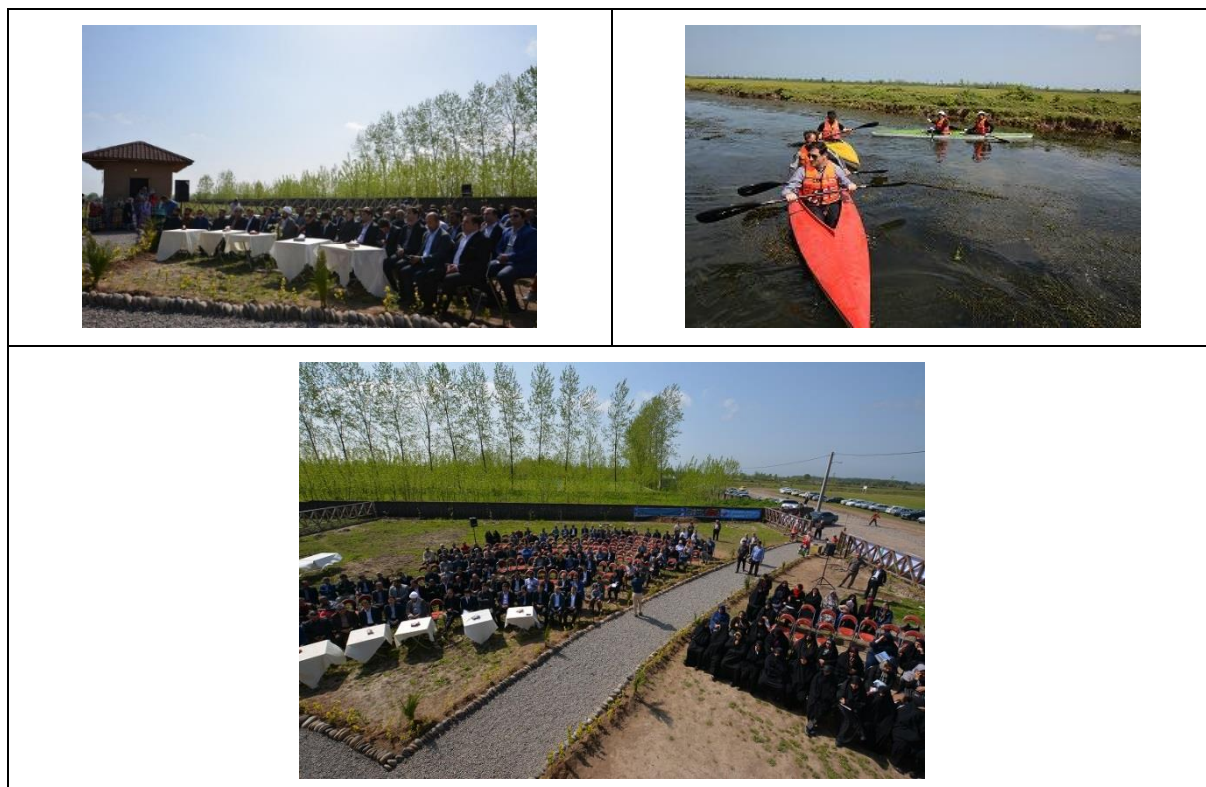


Source: JICA Expert Team

Figure 3.6-19 Photos of Cleaning Event

f) Opening Ceremony

Official opening ceremony of the Ecotourism Center was held on Sunday 23rd April 2017, by attendance of Deputy of Gilan Provincial Governor in Developmental Affairs, Director General of DOE Gilan, Deputy of GCHHTO, Experts of NRWGO, District Officer of Khomam District, some experts from relevant organizations, Dehyars from surrounding villages and Jirsar Bagherkhaleh, NGOs, villagers of Jirsar Bagherkhaleh, Mr. Tanaka, Senior Representative of JICA Iran Office and JET. During the ceremony, Mr. Shabanpour, Deputy of Gilan Provincial Governor in Developmental Affairs, appreciated the villagers and authorities and declared Ecotourism Center Construction project and ecotourism development in the village has been implemented under cooperation of Iran and JICA. He also mentioned that Gilan Provincial Governor is planning to develop 60 more tourism potential villages in Gilan province as a model of Jirsar Bagherkhaleh Village for the future.

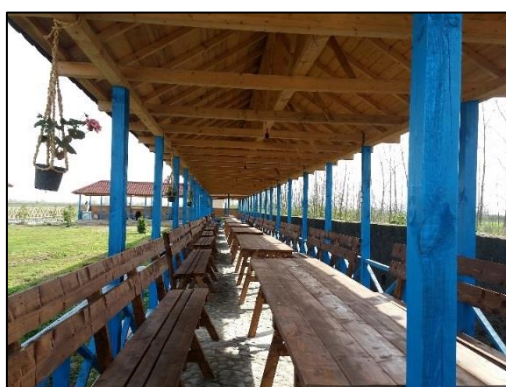


Source: JICA Expert Team

Figure 3.6-20 Photos of Ecotourism Center Opening Ceremony

g) Gazebos

Gilan Rural Affairs Office provided the Gazebo at Ecotourism Center for serving traditional foods and cooking such as baking traditional breads and sweets. The construction was started from July 2017 and finished in March 2018 before Nowruz holidays coordinated by Dehyar. All budget of Gazebo including construction and making wooden benches and tables were covered by Iranian side.



Source: JICA Expert Team

Figure 3.6-21 Photo of Gazebo

h) Entrance Signboard of Ecotourism Center

Installing promotional signboard of the Ecotourism Center at the entrance of Jirsar Bagherkhaleh Village. On 15th March 2018, Dehyar installed the promotional signboard at the entrance of the village in order to attract more tourists coming to EC with the traditional Gilanian taste.



Source: JICA Expert Team

Figure 3.6-22 Photo of Entrance Signboard

5) Preparation of Guideline (Rules and Regulations, and Zoning)

The first guideline of CBET activities was prepared by CBET group with many WG meetings and the group meetings supported by JET. It is the written form of management system for all CBET activities including integrated management of EC, CBET group rules, the responsibilities of members and stakeholders, etc. On 5th December 2018, the guideline was agreed by all relevant stakeholders. Guideline of Jirsar Bagherkhaleh CBET is shown in Attachment 3.6-5.



Source: JICA Expert Team

Figure 3.6-23 Photo of Final Review of Guideline of JBK CBET

6) Marketing, Promotion and Branding

6-1) Promoting the CBET activities at the Tehran International Tourism Exhibition

On 25th and 26th January 2018, two local members of CBET and JET joined the 11th International Tourism Exhibition in Tehran, supported by Iran Culture, Heritage, and Tourism Organization. Brochures and banners for the exhibition were prepared in order to promote the activities of CBET. Because of the great appearance of the members dressed in local clothes, more than 1,000 visitors visited the booth. Visitors are so appreciate the locals' challenges of protecting the Anzali Wetland and reviving traditional culture in the village through ecotourism activities.



Source: JICA Expert Team

Figure 3.6-24 Photo at the Tehran International Tourism Exhibition

6-2) Implementing promotional events and group tours in the Ecotourism Center

a) Village clean-up event in Jirsar Bagherkhaleh Village

On 8th March 2018, villagers, students, NGO, Ecotourism SC and Waste Management SC joined the event of clean-up from the village entrance to elementary school, coordinated by Dehyar and Khomam District officer. More than 100 people were participated this event and at the end of event, the officer and JET unveiled one of the signboards installed in front of the school.



Source: JICA Expert Team

Figure 3.6-25 Photo of Clean-up Even at JBK

b) Study Tour from JICA Community-Based Sustainable Development Master Plan of Qeshm Island Toward “Eco Island” Project

On 19th January 2018, JICA Qeshm project team brought 14 boat riders working in Hara mangrove area and learning CBET as study tour under the project. This tour benefits not only Qeshm group, but also CBET members of Jirsar Bagherkhaleh Village for practicing in real situation.



Source: JICA Expert Team

Figure 3.6-26 Photo of Study Tour

c) Exclusive Kayak Tours (Markopolo Tourism Group) from Tehran

2nd February 2018, 15 people from the most well-known nature tour agent from Teheran attended in kayaking activity guided by local kayak members. After kayaking, cooking group served the lunch with local organic food and joined birdwatching activities. 20th April 2018, Markopolo prepared the first kayak tour for disabled adventurers in Iran. 12 people of disabled adventurers joined kayak tours supported by professional kayak guides from Markopolo together with local kayak guides.



Source: JICA Expert Team

Figure 3.6-27 Photo of Tours for Disability People

d) Designing the promotional Tags for Local Products for Branding

To improve the sales of food products, cooking group made decision for buying good jars by themselves for better packaging and asked JET to design attractive tags. As result, all food products and crafts are with the tags together with the conservation message “Keep Nature and Traditional Culture for Next Generation!”



Source: JICA Expert Team

Figure 3.6-28 Photos of Promotional Tags for Branding

(3) JPA-3: Development of Anzali Wetland Visitor Center

As a JPA, the Anzali Wetland Visitor Center was developed as the first wetland visitor center among the Ramsar Convention wetlands in Iran.

1) Objective

Main objectives to develop an Anzali Wetland Visitor Center in Anzali City is to provide interpretive information to both tourists and locals and to share information to conserve the wetland ecosystem and the culture of surrounding areas.

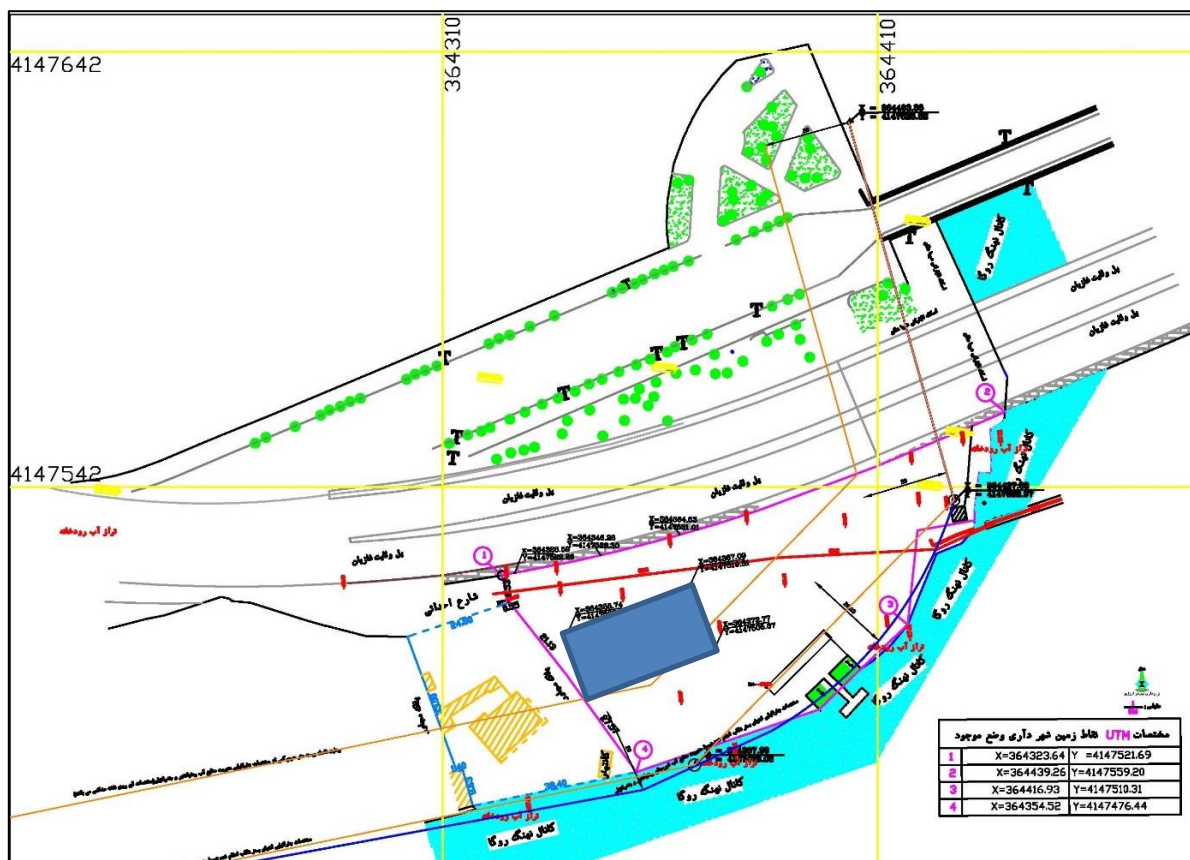
The visitor center is expected to be an information center on the Anzali Wetland to disseminate various information on the Anzali Wetland and relevant activities such as conservation activities, ecotourism, and environmental education.

Before starting the JPA, MM was agreed in June 2016 among Gilan Provincial Governor, Anzali City Mayor, DOE Gilan, GCHHTO, and JET to clarify roles and responsibility on the Anzali Wetland Visitor Center from planning period to operational period as shown in Attachment 3.6-6. In addition, before starting the construction, an amendment was also prepared and agreed among the stakeholders.

2) Selection of the site for the visitor center

After the development of Anzali Wetland Visitor Center was decided as a JPA under the Ecotourism SC in the first year of the project, several candidate sites were proposed by Anzali City Hall and DOE Gilan. Though it took for years to select an appropriate site among the

candidate sites, a site next to the Valayat Bridge, where is located at the estuary of rivers and channels flowing through the Anzali Wetland to the Caspian Sea, considering various aspects such as accessibility, land ownership, and land size, and position in the wetland. The location of the selected site is shown in the following figure. Since the selected site is located next to the Valayat Bridge, which is currently only and large bridge in Anzali City and central area, the visitor center building is easily seen by the visitors and local people.



Source: Anzali Municipal office, November 2018

Figure 3.6-29 Location of the Anzali Wetland Visitor Center

3) Construction of the center building

In the beginning, two-storied building was planned. However, due to the limitation of the construction period after several steps to decide the visitor center construction, basic design of the center building was changed into the one-story building. On the other, an observatory deck at the second floor was considered, which is accessible from inside the building, that visitors can enjoy views both inside and outside the building.

In the 4th year of the project, though the design work started by a Iranian design firm under a contract between the design firm and JICA Iran office, the contract was terminated since the design firm did not submit necessary design documents. In the late period of the 4th year of the project, bidding procedure was conducted again with design-build method for the center

building construction and the construction work at the site was commenced in middle of October 2018. Construction work was completed on 18 March after final inspection was conducted by the JICA Iran office.

4) Design and installation of the internal displays

(a) Total internal design concept

As shown below, the wall display panels and table display panels were prepared as main explanatory display to introduce different subjects on the Anzali Wetland as well as preparing other types of the displays below. For the wall display panels and table display panels, those were designed and installed to easily be updated/ revised in future.

In addition to locate the display panels based on the subjects, considering the visitors' flow, kids's space and free working/workshop space were prepared.

(b) Preparation of the wall display panels and table display panels

Explanatory wall display panels and table display panels were prepared to cover the following subjects;





Source: JICA Expert Team

Figure 3.6-30 Wall Display Panels of the Anzali Wetland Visitor Center



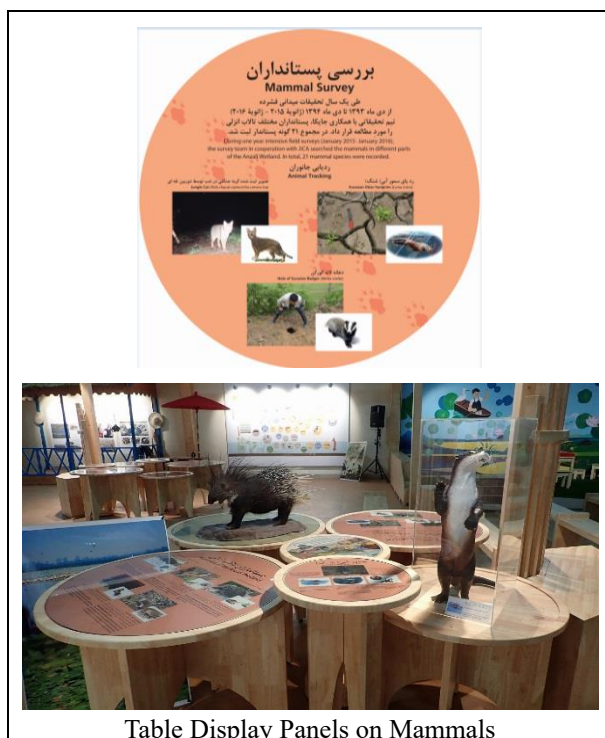


Table Display Panels on Mammals

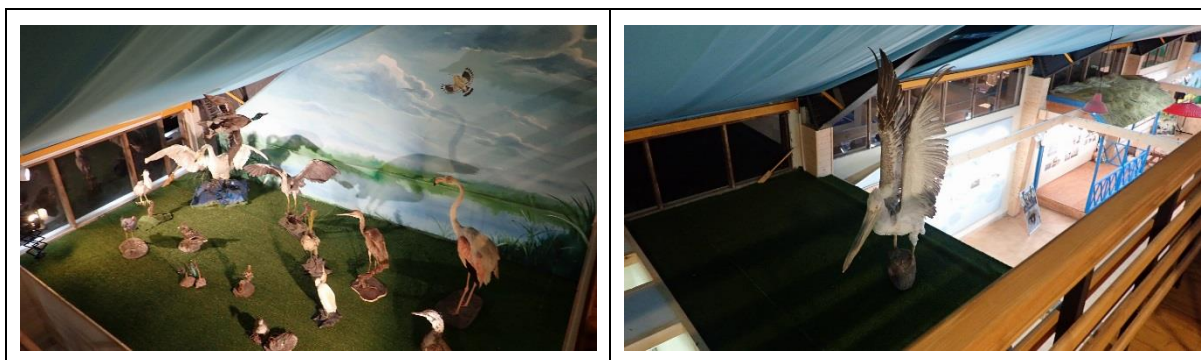
Source: JICA Expert Team

Figure 3.6-31 Table Display Panels of the Anzali Wetland Visitor Center

(c) Other displays

a) Stuffed birds

Some 30 stuffed birds were exhibited as internal display, arranged from the National Museum of Nature in Tehran.



Source: JICA Expert Team

Figure 3.6-32 Stuffed Birds in the Anzali Wetland Visitor Center

b) Bird craft

Six bird crafts including the Dalmatian Pelican and Grey Heron were prepared by local artists and exhibited as shown below.



Source: JICA Expert Team

Figure 3.6-33 Bird Crafts in the Anzali Wetland Visitor Center

c) Full-size model of otter and lotus

Full-size model of otter and lotus were prepared by two Japanese artists (Mr. Satoshi KUMAGAI and Ms. Aiko KUDO), respectively and exhibited as shown below.



Source: JICA Expert Team

Figure 3.6-34 Full-size Model of Otter and Lotus in the Anzali Wetland Visitor Center

d) Map and Videos

Three kinds of video were prepared to continuously show by using large LCD displays, which are located at the central area near the entrance, in front of the wall display panel on birds, and next to the wall display panel on JICA's cooperation. A large map on the Anzali Wetland was also prepared and exhibited near the entrance.



Map and Video next to the Entrance

Source: JICA Expert Team

Figure 3.6-35 Map and Video in the Anzali Wetland Visitor Center

5) Management and Operation

When the visitor center opens by receiving the general visitors, operational staff from the Anzali City Hall needs to

Therefore, management and operation of the visitor center are one of most important factor in operation of the center for future. From such viewpoint, provision of training program on visitor center management and operation by experienced JICA experts was planned as most important technology transfer activity under this project. However, since selection of the operational staff by the Anzali City Hall was delayed, training program for the operational staff was not able to be conducted during the project.

The completed images of the Anzali Wetland Visitor Center are shown below.





Front wall of W.C.



Internal displays



Internal displays and interior



Exhibition panel



Interior (from back entrance side view)



Internal displays and interior



Kids' corner



Free working space



Source: JICA Expert Team

Figure 3.6-36 Exterior and Interior Displays of the Anzali Wetland Visitor Center

(4) Planned schedule and actual achievement

The planned schedule of Ecotourism SC activities of the JPA from 2nd to 5th fiscal years was formulated at the end of the 1st fiscal year and its achievement was presented in Table 3.6-3 to Table 3.6-6. The activities of which performed schedule were changed from the planned schedule, were highlighted in the table.

Table 3.6-3 Plan and Achieve of Joint Pilot Activities of Ecotourism SC (2nd Year)

Activities	2015						2016					
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Joint Pilot Activity-1 Ecotourism Product Development at the First Selected Village (Jirsar Bagherkhaleh)												
i) Finalizing the village selection process for developing ecotourism activities												
ii) Conducting more detailed field visits to check the potentials of selected village												
iii) Getting the required approvals of the three head directors of related organizations (DOE Gilan, GCHHTO, and NRWGO)												
iv) Finalizing possible ecotourism activities through more discussions among SC members and based on the available capacity of the village												
v) Conducting public workshops for the villagers about the concept and goals of community based ecotourism												
vi) Conducting trainings for starting the implementation phase of developing ecotourism activities in the village such as kayak training, cooking (local market) training, and craft training by local trainers												
Ecotourism Product Development at the Second Selected Village												
i) Selecting the second village												
Joint Pilot Activity-2 Ecotourism Center Development at Jirsar Bagherkhaleh												
i) Preparing a pasture plan in order to get required permissions for developing the community center from related organizations												
ii) Developing Minutes of Meeting (MoM) of "Jirsar Bagherkhaleh Community Based Ecotourism Development" and obtaining agreement from stakeholders												
iii) Designing EC by local specialist through environmental and culturally friendly ways												
vi) Developing EC together with the local specialists and villagers												

Source: JICA Expert Team

Table 3.6-4 Plan and Achieve of Joint Pilot Activities of Ecotourism SC (3rd Year)

Activities	2016						2017					
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Joint Pilot Activity-1 Ecotourism Product Development at the first selected village (Jirsar Bagherkhaleh)												
i) Continuously conducting training courses for handicraft making, cooking (traditional markets), and kayaking assisted by local experts for local villagers												
ii) Selecting the ecotourism working group members from the local training participants of each activity and conducting the workshops about future management												
iii) Setting up signboards for safety guideline for kayak activities												
Ecotourism Product Development at the second selected village												
i) Selecting the site												
Joint Pilot Activity-2 Ecotourism Center Development at Jirsar Bagherkhaleh												
i) Continuously constructing and completing the center												
ii) Setting up wooden fences around the center (Gilan Provincial Governor Office and JICA)												
iii) Preparing 130 meters' road from the pasture entrance to the center and electric power poles and the power lines (Gilan Provincial Governor Office)												
iv) Gardening, painting fences and decorating the center (Local Villagers)												
v) Clening Event												
vi) Opening Ceremony												

Source: JICA Expert Team

Table 3.6-5 Plan and Achieve of Joint Pilot Activities of Ecotourism SC (4th Year)

Activities	2017						2018					
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June
Joint Pilot Activity-1												
Ecotourism Product Development at the first selected village (Jirsar Bagherkhaleh)												
i) Providing advanced trainings (handicraft, kayaking, cooking)												
ii) Conducting management workshops of ecotour activities (Working Group)												
iii) Developing management system of ecotour activities												
iv) Developing guideline of ecotours												
v) Developing promotional materials												
vi) Inviting tour agents (Study Tour)												
vii) Promoting the CBET activities at the Tehran International Tourism Exhibition												
viii) Implementing events and group tours in the EC												
vi) Designing the promotional tags for local products												
vii) Developing the Mid-term plan (Changed to FY 2019)												
Ecotourism Product Development at the second selected village												
i) Selecting site (CANCEL)												
ii) Searching for the second village (CANCEL)												
Joint Pilot Activity-2												
Ecotourism Center Development at Jirsar Bagherkhaleh												
i) Finalizing Ecotourism Center and maintaining												
ii) Installing toilets, fencing and septic tanks in the Ecotourism Center (JICA)												
iii) Installing gazebos (Gilan Rural Affairs Office)												
iv) Installing awareness raising signboards for waste management												
v) Installing promotional signboard of the EC at the entrance of the village (Dehyar)												
vi) Installing kayak storage												
vii) Planting trees (NRWGO)												

Source: JICA Expert Team

Table 3.6-6 Plan and Achieve of Joint Pilot Activities of Ecotourism SC (5th Year)

Activities	2018						2019			
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April
Joint Pilot Activity-1 Ecotourism Product Development at the first selected village (Jirsar Bagherkhaleh)										
i) Developing Mid-term Plan with Ecotourism SC members										
ii) Monitoring CBET activities in Jirsar Bagherkhaleh village										
iii) Finalizing the guidelines of CBET activities and getting signed by stakeholders										
v) Introducing CBET activities to Guilan nature and culture guides (CANCELED)										
vi) Providing trainings to CBET members for basic birdwatching										
vii) Coordinating birdwatching event (CANCELED)										
Joint Pilot Activity-2 Ecotourism Center Development at Jirsar Bagherkhaleh										
i) Renovating and strengthening of the EC building										
iii) Designing and installing the bird panels										

Source: JICA Expert Team

3.6.5. Achievements

(1) The Number of Visitors to the Ecotourism Center

CBET group have opened the Ecotourism Center every day with selling traditional breads, even though there are not enough visitors coming weekdays. As well as other tourist sites, more people visit weekends, Thursday and Friday and holiday times. Based on the report from the CBET leader, approximately 150 to 300 visitors visit daily every weekend from July 2017 until April 2019. The maximum number of visitors was over 2,000 during Nature Day on 2nd April 2018. About 500 visitors visit EC daily from 3rd to 5th April 2019 because of official holidays and good weather condition.

(2) The Number of Beneficially

Sixteen (16) villagers get benefit from the Ecotourism Center directly and about thirty (30) villagers get indirectly. Those who get the benefits directly, are the members of cooking, craft and kayak groups and indirect benefit belongs to those who don't work in the Ecotourism Center but prepare some foods or produce products, grow vegetables, and those who make handicrafts in the Ecotourism Center and then their products will be sold by other members.

(3) Economic Benefits through CBET Activities

The members received benefits from CBET activities selling and serving traditional foods, selling crafts and providing kayak programs. The total income for all activities is about 243,100,000 Rials from June 2018 to April 2019 for about 10 months. During the Nowruz

holiday, total income was approximately 113,300,000 Rials from 21st of March to 5th of April in 2019. Based on interview to local members who sell traditional breads, they earned more than 1,200,000 Rials per day during weekend and holiday. There was no income source except farming before starting the CBET activities, so it helps local ladies to support their families and young locals to stay in the village and keep their traditional culture. Additionally, the village council of Jirsar Bagherkhaleh Village earned 22,000,000 Rials selling entrance tickets to the pasture and parking from 29th March to 2nd April for 5 days in 2018.

Table 3.6-7 Result of Economic Benefit through CBET Activities(22 June 2017 – 20 April 2018)

Iranian Month	Official Date	Monthly Income (Rials)
Tir	22 June to 22 July 2017	8,230,000
Mordad	23 July to 22 August 2017	16,070,000
Shahrivar	23 August to 22 September 2017	17,010,000
Mehr	23 September to 22 October 2017	2,840,000
Aban	23 October to 21 November 2017	10,200,000
Azar	22 November to 21 December 2017	7,200,000
Dei	22 December 2017 to 20 January 2018	16,450,000
Bahman	21 January to 19 February 2018	7,620,000
Esfand	20 February to 20 March 2018	8,900,000
Farvardin	21 March to 20 April 2018	113,300,000
Total		207,820,000

Source: JICA Expert Team

Table 3.6-8 Result of Economic Benefit through CBET Activities(22 June 2017 – 20 April 2018)

Iranian Month	Official Date	Monthly Income (Rials)
Tir	22 June to 22 July 2018	24,700,000
Mordad	23 July to 22 August 2018	20,050,000
Shahrivar	23 August to 22 September 2018	23,550,000
Mehr	23 September to 22 October 2018	12,400,000
Aban	23 October to 21 November 2018	10,850,000
Azar	22 November to 21 December 2018	15,250,000
Dei	22 December 2017 to 20 January 2019	17,300,000
Bahman	21 January to 19 February 2019	35,100,000
Esfand	20 February to 20 March 2019	12,600,000
Farvardin	21 March to 5 April 2019	113,300,000
Total		243,100,000

Source: JICA Expert Team

(5) Achievement

1) Positive aspect

The result of CBET development under the project was more than what expected. Village CBET group manages well by themselves and continually opens the center every day. Not only they all get economically benefit through CBET, but also mentally they become proud of their village culture. Many say, “they found a purpose in their life in their village and support their family being wives and farmers.” Through this project, they also became more aware of nature and think about wetland and river conservation much more than before. They clean the Ecotourism Center and surrounding areas to attract more visitors. After the bird watching trainings, all hunters agreed not to do any illegal hunting and become local bird watching guides supported by Environmental NGO. It is pretty sure that JBK will be one of the best models of CBET in Iran and hoping to be spread out the CBET idea by ICHHTO and other organizations to the other areas of Iran.

2) Negative aspect

After the opening of JBK Ecotourism Center, there are some similar kinds of traditional houses were built at the different villages supported by Gilan Provincial Governor’s Office. It is good idea, in principle, to have more traditional kinds of houses around the Anzali Wetland; however, there is not much community involvement and no training at all for locals to manage the houses. Key to success CBET is “capacity development of local people”, not just build the building. It is hoped Rural Affairs Office, GCHHTO, DOE, and NRWGO spend more energy for the capacity development learning from the process of developing JBK CBET.

Unfortunately, the SC members just joined the SC meeting, not coming to the field activities. As result, 2nd village was not developed because of the human resource and budget issues of the counterpart. It means they could not learn the process of CBET development at all. Considering this, the project was not reach the goals satisfactorily.

(6) CBET Life in Jirsar Bagherkhaleh Village

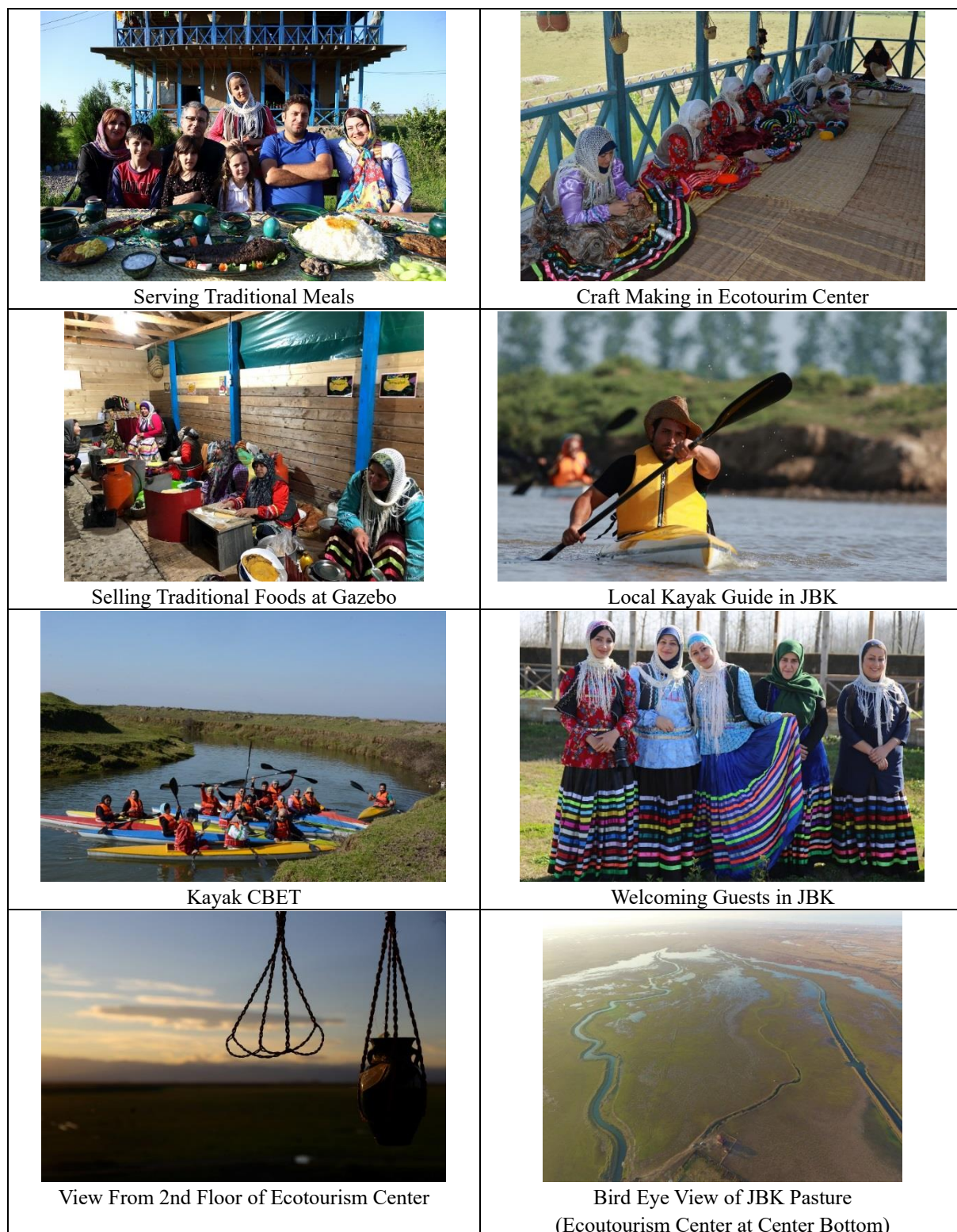
These are some photos of the life of people in JBK after CBET development.



JBK Ecotourism Center



Main Members of JBK CBET



Source: JICA Expert Team

Figure 3.5-37 Photos of Some CBET Activities after the JPA

3.6.6. Recommendations

After completion of the project, Ecotourism SC shall be responsible for implementation of the planned activities in the Mid-term Plan on Ecotourism for Anzali Wetland Conservation and assist JBK CBET continuously.

There are three main recommendations for CBET development in the Anzali Wetland.

(1) Learn from the Experience of JBK CBET Development

JBK CBET group members got involved from the beginning of CBET development. Now they really know the process of developing CBET and how to solve the issues within the community. Learn from them and make them become teachers to the other areas.

(2) Collaboration within Gilan Ecotourism Committee

One of the critical issues is collaboration among the Ecotourism SC. Continue having SC meetings and follow the Mid-term Plan.

(3) Model Ecotourism in Iran

As the ecotourism is a new concept in Iran tourism industry, there isn't a successful ecotourism case available in Iran. Because of the rich cultural and natural resources which exist in Iran and Gilan, developing CBET can promote Gilan as the first successful conservation showcase of CBET in Iran, which can be spread out to the other parts of the country.

3.7. Environmental Education

3.7.1. SC Meetings

Official meetings of the Environmental Education Sub-committee (EE SC) were held at 17 times during the 5-year project period as shown in the following table. The frequency of the SC meetings has been obviously increased after 3rd year of the project. Because the EE SC members were motivated further after some of output of JPAs became visible.

Table 3.7-1 Environmental Education SC Meeting

No	Date	Discussion
1	10 July 2014	<ul style="list-style-type: none"> ➤ The Project and the Purpose of Environmental Education SC ➤ Environmental Education in Japan ➤ Environmental Education Activities by DOE Gilan ➤ Environmental Education Activities by Kanoon ➤ Environmental Education Activities by NGOs ➤ Environmental Education Activities in Japan regarding Waste Management
2	14 Dec. 2014	<ul style="list-style-type: none"> ➤ Outline of Action Plan for the environmental education for the Anzali Wetland
3	3 Mar. 2015	<ul style="list-style-type: none"> ➤ Action Plan and Selected Pilot Project
4	7 Mar. 2016	<ul style="list-style-type: none"> ➤ Future Activity of EE SC
5	6 Dec. 2016	<ul style="list-style-type: none"> ➤ To understand the situation of the EE center and facilities. ➤ To discuss how to improve the EE center
6	1 Mar. 2017	<ul style="list-style-type: none"> ➤ To discuss how to allocate the Iranian JPA budget ➤ To discuss schedule of JPAs
7	1 Mar. 2017	<ul style="list-style-type: none"> ➤ To share current progress of JPAs by each WG member in third year ➤ To inform JPA implementation plan in 4th year ➤ To discuss operation and management of Selkeh EE center ➤ To discuss schedule of JPAs
8	6 Jun. 2017	<ul style="list-style-type: none"> ➤ To discuss how to allocate the Iranian JPA budget ➤ To discuss schedule of JPAs
9	16 Aug. 2017	<ul style="list-style-type: none"> ➤ Safety Management and Impact of Biotope
10	18 Dec. 2017	<ul style="list-style-type: none"> ➤ Plan of Project Activities in 5th Year ➤ Continuous Public Open in Post Project Phase ➤ Renovation Plan of EO's existing facility as additional EE Center ➤ Budget Arrangement by DOE for renovation and new construction in EE Center
11	29 May, 2018	<ul style="list-style-type: none"> ➤ Plan of Project Activities in the 5th Year ➤ Renovation Plan of Anzali Wetland Nature School ➤ Minute of Meeting between DOE and other Counterpart Sections ➤ Public Open
12	4 July, 2018	<ul style="list-style-type: none"> ➤ Wooden Path Construction in AWEEC ➤ Current situation of Biotope ➤ Public Open ➤ How to improve AWEEC in Selke
13	2 Sept. 2018	<ul style="list-style-type: none"> ➤ Structure of Anzali Wetland Visitor Center (Joint SC with Ecotourism SC)
14	8 Sept. 2018	<ul style="list-style-type: none"> ➤ Midterm Plan ➤ Public Open ➤ The Result of Activities by Kanoon ➤ Workshop to share the EE activity with Mazandaran and Golestan DOE ➤ How to improve Public open
15	24 Sept. 2018	<ul style="list-style-type: none"> ➤ Midterm Plan ➤ Entrance fee for Public Open and Necessity of Follow up Training ➤ Regular EE program in Selkeh and Teacher Training Program for Human and Environment ➤ WWD event plan by Kanoon ➤ EE program for School ➤ Workshop to share the EE activity with Mazandaran and Golestan DOE ➤ Internet Conference among NGOs member of SC

No	Date	Discussion
16	17 Dec. 2018	<ul style="list-style-type: none"> ➤ Midterm Plan ➤ Entrance fee for Public Open and Necessity of Follow up Training ➤ Regular EE program in Selkeh and Teacher Training Program for Human and Environment ➤ WWD event plan by Kanoon ➤ EE program for School ➤ Workshop to share the EE activity with DOE Mazandaran and Golestan ➤ Calendar 1398 ➤ Discussion
17	25 Feb. 2019	<ul style="list-style-type: none"> ➤ Renovation of Anzali Wetland Nature School ➤ Information sharing of implemented EE activity ➤ Idea for Continually Public Open ➤ Minutes of Meeting for Environmental Education Center by using Facilities and Equipment <p>Handed over from JET</p>

Source: JICA Expert Team

3.7.2. Meetings between Relevant Organizations and JET

Meetings were held between relevant organizations and JET in addition to the SC meetings as shown in the following table. The meeting were held at 77 times during the 5-year project period.

Table 3.7-2 Meeting between Relevant Organization and JET

No	Date	Content	Participant	Venue
1	14 Jun, 2014	<ul style="list-style-type: none"> ➤ Introduction of the project - Phase II ➤ Request for selection of personnel in the SC 	EO, DOE Gilan	EO Office
2	18 Jun, 2014	<ul style="list-style-type: none"> ➤ Introduction of the project - Phase II ➤ Request for selection of personnel in the SC 	Kanoon	Kanoon
3	30 Aug, 2014	➤ Planning of Environmental Education Activity	Kanoon	Kanoon
4	13 Sep, 2014	➤ Action Plan of Environmental Education	EO, DOE Gilan	EO Office
5	13 Nov, 2014	➤ Action Plan for Environmental Education	EO, DOE Gilan	EO Office
6	2 Dec, 2014	➤ Action Plan for Environmental Education	EO, DOE Gilan	EO Office
7	7 Dec, 2014	➤ EE activity for the Anzali Wetland	NGO	DOE Office
8	24 Feb, 2015	➤ Action plan and JPAs	Kanoon	Kanoon
9	26 Feb, 2015	➤ Action plan and JPAs	NGOs	NGOs
10	26 May, 2015	<ul style="list-style-type: none"> ➤ JPA in EE Action Plan in this project ➤ Cost sharing of EE program 	EO, DOE Gilan	EO Office
11	21 Jun, 2015	➤ EE action plan and discussion about EE activities by Kanoon in this term	Kanoon, DOE Gilan	Kanoon
12	27 Jun, 2015	➤ Implementation plan of Teacher's Training in this term	EO, DOE Gilan	EO Office
13	28 Jun, 2015	➤ Implementation plan of Broader EE program	NGOs, DOE Gilan	DOE Office
14	1 Jul, 2015	<ul style="list-style-type: none"> ➤ Implementation Broader EE program as JPA in the EE Action Plan ➤ Cost sharing of EE program 	Kanoon, DOE Gilan	Kanoon
15	5 Jul, 2015	➤ Teacher training program for the Anzali Wetland Conservation	EO, DOE Gilan	EO Office
16	12 Jul, 2015	➤ Principle, Deputy and Teacher Training Program for the Anzali Wetland Conservation	EO, DOE Gilan	EO Office
17	13 Jul, 2015	➤ Discussion of activity by Kanoon	Kanoon, DOE Gilan	Kanoon
18	7 Oct, 2015	➤ EE program of Principle, Deputy and Teacher Training Program	EO, DOE Gilan	EO Office
19	20 Oct, 2015	➤ Agreement among JICA, DOE Gilan and NGO of JPA-3	NGO, DOE Gilan	NGO
20	29 Oct, 2015	➤ EE program for EO Directors, deputies etc.	EO, DOE Gilan	EO Office
21	1 Nov, 2015	➤ Trial EE Activities Conducted by Kanoon in Cooperation with JICA	Kanoon, DOE Gilan	Kanoon
22	8 Nov, 2015	➤ Workshop for DOE Expert	DOE Gilan	DOE Office
23	11 Nov, 2015	➤ EE program for DOE Masal	DOE Masal, DOE Gilan	DOE Office

No	Date	Content	Participant	Venue
24	29 Nov, 2015	➤ Detailed plan of Wetland Day	Kanoon, DOE Gilan	Kanoon
25	1 Dec, 2015	➤ Progress Sheet of EE JPAs	DOE Gilan	DOE Office
26	12 Mar, 2016	➤ EE curriculum for School Class and Implementation with Teacher Training Program	EO, DOE Gilan	EO Office
27	17 Apr, 2016	➤ Progress Sheet of EE JPAs	DOE Gilan	DOE Office
28	1 May, 2016	➤ Detailed plan of EE activities by SI NGO	NGOs, DOE Gilan	DOE Office
29	30 May, 2016	➤ Detailed Plan of EE activities in the EE center (During summer vacation: August 2016) ➤ Selection of Model schools ➤ Procedure of Introduction of Curriculum in school class (Human and Environment Class) ➤ Teacher's Training Program for EE curriculum ➤ Minutes of Meeting among EO, DOE Gilan and JET	EO, DOE Gilan	EO Office
30	8 Jun, 2016	➤ Progress of EE activity	DOE Gilan,	DOE Office
31	14 Jun, 2016	➤ Progress of EE activity	EO	EO Office
32	16 Oct, 2016	➤ Progress of EE activity	DOE Gilan	DOE Office
33	21 Oct, 2016	➤ World Wetland Day Event	EO, DOE Gilan	EO Office
34	24 Oct, 2016	➤ Future Yearly Plan including coming WWD ➤ Renewal of Minute of Meeting ➤ Experiential program in Selkeh	Kanoon, DOE Gilan,	Kanoon Central branch
35	16 Nov, 2016	➤ Current Situation of the NGOs Activity ➤ Future Programs to be conducted ➤ Next Program (New EE activities in Hendekhaleh Village on the New MM) ➤ Selkeh EE center activity for visitors	NGOs, DOE Gilan	DOE office
36	10 Dec. 2016	➤ Material for EO (Secondary School Students) ➤ Environmental Education Booklet (Progress) ➤ Minutes of Meeting among EO, DOE, and JET	EO, DOE Gilan	Literacy Movement Organization
37	17 Jan, 2017	➤ Trial Skype communication with Kushiro ➤ Environmental Education Booklet (Progress) ➤ Video program (Existing statues) ➤ New year's booklet (deadline)	EO, DOE Gilan	EO Office
38	27 Jan, 2017	➤ Preparation of Skype Communication	EO, DOE Gilan	EO Office
39	30 Jan, 2017	➤ Preparation of WWD	Kanoon, DOE Gilan	Kanoon
40	21 Feb, 2017	➤ EE Booklet for Human and Environment(Progress) ➤ SC Meeting should be recently conducted about Budget Allocation from PBO (384 million Rials for JPA-2) ➤ JET recommends the budget should be to increase the number of EE booklet. ➤ Video program (Progress) ➤ New year's booklet (for Primary School) ➤ Further activity between Mirza-kuchikhan Secondary School and Shibechea High School.	EO, DOE Gilan,	EO Office
41	2 Mar, 2017	➤ Preparation of Anzali Wetland film for students	EO, DOE Gilan	EO Office
42	10 Mar, 2017	➤ Meeting with EO for preparation of New Year booklet	EO, DOE Gilan	DOE Office
43	30 Apr, 2017	➤ Progress of EE Activities	DOE Gilan	DOE Office
44	14 May, 2017	➤ Progress of EE Activities	DOE Gilan	DOE Office
45	16 May, 2017	➤ Preparation of Wetland booklet, new Skype Communication and Summer EE activity for students	EO, DOE Gilan.	Literacy Movement Organization
46	25 May, 2017	➤ Human and Environmental Booklet (Progress) ➤ Proposed another school in Anzali for second student internet conference with students in Kushiro ➤ Further activities between Mirza KuchakKhan High School and Shibechea High School ➤ Regular EE program for students in the summer 2017 ➤ Select a sample school ➤ The subcommittee meeting should be convened soon regarding the budget allocation which was received from the Gilan PBO (384 million Rials for the JPA-2)	EO, DOE Gilan	EO Office
47	24 May, 2017	➤ To discuss about Photo and Painting Contest Schedule	Kanoon	Kanoon
48	4 Nov, 2017	➤ Progress Sheet and discuss about Regular EE programs and JPA s under EE SC	DOE Gilan,	DOE Office

No	Date	Content	Participant	Venue
49	14 Nov, 2017	<ul style="list-style-type: none"> ➤ Plan of EE Program in Selkeh Center for school children ➤ Teacher's training for Human and Environment Program using new booklet ➤ Proposed girl's school in Anzali for second student internet conference with students in Kushiro ➤ EE Program in Hendehale Village 	DOE Gilan, EO	EO Office
50	16 Nov, 2017	➤ Meeting with Kanoon on Kanoon's future Plan and WWD Festival	DOE Gilan, Kanoon	Kanoon Office
51	25 Nov, 2017	➤ To discuss about Management of Selke	DOE Gilan	DOE office
52	9 Dec, 2017	➤ Teachers training course and renovation of a new EE center in Anzali by EO	DOE Gilan, EO	EO Center
53	20 Nov, 2017	➤ Kanoon on Budget arrangement for WWD Festival	DOE Gilan, Kanoon	Kanoon
54	30 Jan, 2018	➤ Education Organization in order to arrange the EE programs until March 2018	EO, DOE Gilan	EO Office
55	5 Mar, 2018	➤ Meeting with DOE for Signboards Construction	DOE Gilan	DOE Office
56	14 May, 2018	<ul style="list-style-type: none"> ➤ New EE Center in Beheshti Island ➤ Teacher's training for Human and Environment Program using new booklet ➤ Reprint of booklet "Lotus" ➤ Plan of EE Program in AWEEC for School Student 	EO, DOE Gilan	EO Office
57	21 May, 2018	<ul style="list-style-type: none"> ➤ Anzali Wetland Nature School ➤ Teacher's training for Human and Environment Program using new booklet 	EO, JET, SA	EO Office
58	24 May, 2018	➤ Field survey of the place of Anzali Wetland Nature School	EO, JET, SA	AWNS
59	13 Jun, 2018	<ul style="list-style-type: none"> ➤ Anzali Wetland Nature School in Beheshti Island ➤ Teacher's Training for Human and Environment Program using new booklet ➤ EE Program in Selke EE Center ➤ Invitation of New DG to AWEEC 	EO, DOE Gilan,	EO Office
60	11 Jul, 2018	➤ EO and Students Association for AWNS	EO, DOE Gilan	EO Office
61	12 Aug, 2018	<ul style="list-style-type: none"> ➤ Boardwalk construction (DOE portion) in AWEEC ➤ Floating observation deck in AWEEC 	DOE Gilan	DOE Office
62	13 Aug, 2018	<ul style="list-style-type: none"> ➤ Anzali Wetland Nature School in Beheshti Island ➤ Teacher's Training for Human and Environment Program using new booklet ➤ EE Program in AWEEC ➤ Invitation of New DG to AWEEC 	EO, DOE Gilan	EO Office
63	18 Aug, 2018	➤ Biotope in Selkeh Wildlife Refuge	DOE Gilan	DOE Office
64	17 Sep, 2018	➤ Entrance fee system for public open	DOE Gilan	DOE Office
65	24 Sep, 2018	<ul style="list-style-type: none"> ➤ To discuss how to continue the public open by introduction of public open. ➤ To discuss how to share the experiences of the project activities ➤ To discuss how to continue each activity after the project 	DOE Gilan	DOE Office
66	15 Oct, 2018	<ul style="list-style-type: none"> ➤ To share information of Experiential EE activities in Anzali Environmental Education Center 2014-2019 ➤ To share EE activity in each DOE branches ➤ To discuss how to educate students for Anzali Wetland Conservation by DOE Gilan 	DOE Gilan	AWEEC
67	16 Oct, 2018	<ul style="list-style-type: none"> ➤ To discuss about WWD ➤ To promote the activity to other provinces (Mazandaran and Golestan Provinces) 	Kanoon, DOE Gilan	Kanoon Office
68	6 Nov, 2018	➤ To discuss about entrance fee for the public open of AWEEC, future plan and EE program for school teachers and principals in and around Anzali Wetland	DOE Gilan,	DOE Office
69	2 Dec, 2018	➤ To discuss about future programs including the receiving the entrance fee, programs for DOE Experts of other provinces	DOE Gilan,	DOE Office
70	4 Dec, 2018	➤ To discuss about AWNS	EO	AWNS
71	13 Dec, 2018	<ul style="list-style-type: none"> ➤ Opening ceremony of AWNS ➤ Instructor training program for AWNS 	SA	AWNS

No	Date	Content	Participant	Venue
72	22 Jan, 2019	➤ Internet conference between Iranian NGO and Japanese NGO ➤ Trial of entrance fee system of public open of AWEEC	DOE Gilan	DOE office
73	23 Jan, 2019	➤ Arrangement of the venue of Internet conference between Iranian NGO and Japanese NGO ➤ Trial of donation system of public open of AWEEC	DOE Gilan,	DOE office
74	27 Jan, 2019	➤ Arrangement of Internet conference between Iranian NGO and Japanese NGO	DOE Gilan	DOE office
75	5 Feb, 2019	➤ Interprovincial EE Seminar ➤ Name of Anzali Wetland Nature School ➤ Donation system of Public Open of AWEEC	DOE Gilan	DOE office
76	14 Feb, 2019	➤ Opening ceremony of Anzali Wetland Nature School	EO, SA	EO
77	4 Mar, 2019	➤ MM of Handing over of equipment and facilities in AWEEC	DOE Gilan	DOE office

Source: JICA Expert Team

3.7.3. Preparation and Implementation of the Action Plans

(1) Outline of the Action Plan 2015-2018

EE SC discussed and reviewed the current activities of environmental education for conservation of the Anzali Wetland, and prepared an Action Plan and JPAs in 2015 to be implemented from the second (FY2015) to the fifth year (FY2018) of the project.

1) Overall strategy

The Action Plan was developed to achieve the following through environmental education and public relations activities, raise local people's awareness with respect to environmental issues, help develop their knowledge, skills, values, experiences and capacity to make decisions, and enable them to act as individuals as well as societies to conserve the Anzali Wetland.

2) Action Plan for DOE Gilan

The Action Plan for DOE Gilan consists of implementation of EE program by using the Anzali Wetland Environmental Education Center (AWEEC), preparation and implementation of EE curriculum for school class and implementation with teacher training program, implementation of broader EE program, implementation of EE program by using the Anzali Wetland Visitor Center, and public relations activities which will be implemented by DOE Gilan in cooperation with EO Gilan, Kanoon and NGOs.

3) Action Plan for EO Gilan

The Action Plan for EO Gilan consists of research study, preparation and implementation of EE curriculum for school class and implementation with teacher training program which will be implemented by EO Gilan in cooperation with DOE Gilan, Kanoon and NGOs.

4) Action Plan for Kanoon (Center for the Intellectual Development of Children and Young Adult)

The Action Plan for Kanoon consists of implementation of regular EE program in cooperation with DOE Gilan and EO Gilan.

5) Action Plan for NGOs

At the beginning of the project, the EE SC called all of NGOs, which registered to DOE Gilan, to submit proposal on EE activities under the Project. After several postpone of the deadline, only four NGOs submitted the proposals. All proposals from 4 NGOs were accepted in the EE SC. 3 NGOs of them, Gilan Women and Youths Environmentalist Society (GWYES), Gilan Women against Environmental Pollution Society (GWEPS) and Sarzamin-e -ideal ma Environmental Institute (SEI) were joined as member of the EE SC. The remaining one NGO did not attend the project activities.

The Action Plan for NGOs consists of implementation of regular EE program in cooperation with DOE Gilan and EO Gilan.

(2) Outline of the Proposed Joint Pilot Activities

1) Strategies for prioritization and selection of Joint Pilot Activities

Among the activities outlined in the Action Plan, the EE SC implements selected activities that have not been regularly implemented by the SC member organizations. These activities, which will be implemented with JET as Joint Pilot Activities (JPAs), include development of EE programs and materials. The programs that encourage experience-based learning were focused on in the JPAs.

2) Items of Proposed JPAs

- JPA-1: Implementation of EE Program by using the Anzali Wetland Environmental Education Center (AWEEC)
- JPA-2: Preparation and Implementation of EE Curriculum for School Class and Implementation with Teacher Training program
- JPA-3: Implementation of Broader EE Program
- JPA-4: Implementation of EE Program by using the Anzali Wetland Visitor Center
- JPA-5: Public Relations Activities

(3) Result of the Implementation of the Action Plan

1) General Achievement

Before the projects, Environmental Education (EE) in Gilan Province was sporadically conducted with DOE Gilan including its branch office and NGOs as a point of contact, events and visiting lectures in school and so on. These activities focused on themes such as waste management and wildlife conservation, and not include conservation of the Anzali Wetland. The importance of the Anzali Wetland is not doubt not only in Gilan Province but also whole of Iran and global level. Therefore, it is very important for a wide range of people, including residents and students, to learn the importance of the Anzali Wetland through EE program.

Many activities have been implemented under the Project as JPAs. One of the most significant outcomes of the EE activities is that the AWEEC have been enhanced very much and more than 3,000 persons including students of primary and secondary schools and university, teachers, principals, Kanoon, NGO members participated in the regular experience-based education program to feel and learn the real wetland at the AWEEC. In addition, more than 2,000 visitors to visit the public open activity of the AWEEC every Friday. Not only the AWEEC activities, the other many activities have been implemented as described in the subsequent sections.

These participants' awareness has been raised very much. Their knowledge, skills, values, experiences and capacity about the Anzali Wetland conservation were developed. As a conclusion, the purpose of the EE Action Plan has almost been achieved in this project. However, there are more than one million people in the watershed of the Anzali Wetland. Therefore, the EE activities should be continued, enhanced and expanded based on the project experiences.

2) Achievement of Action Plan for each Member of EE SC

In the EE SC, the whole EE Action Plan is almost same as plans of JPAs. Therefore, the achievement of action plans is described in the Section 3.7.4 as the achievement of JPAs.

3.7.4. Implementation of the Joint Pilot Activities

(1) JPA-1: Implementation of EE Program by using the Anzali Wetland Environmental Education Center

The Anzali Wetland Environmental Education Center (AWEEC) and its attached facilities were constructed and renovated during the M/P Study and Phase I Project. However, some facilities should be renovated due to their degradation and some of new facilities and equipment should be introduced. In addition, regular implementation of the experience-based EE program should be developed and done to promote the CEPA activities.

The implementation schedule of JPA-1 is shown in following table. Many schedules of the JPA-1 were delayed. However, almost of the activities have been completed. Improvement of AWEEC by DOE Gilan has not completed yet.

Table 3.7-3 Implementation Schedule of JPA-1

Activities		2015		2016				2017				2018				2019	Remarks
		1394		1395				1396				1397					
		2nd Year		3rd Year				4th year				5th year					
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	
a) Improvement of EE Facilities	Plan																
	Actual																
b) Preparation of new EE Materials	Plan																Preparatin of various signboards
	Actual																
c) Development of EE programs	Plan																Development of regular program and public open activities
	Actual																
d) Implementation of EE Program	Plan																Implementatin of regular program and public open activities
	Actual																
e) Maintenance of the Center and Facilities	Plan																All maintenance works should be always implemented if need
	Actual																

Source: JICA Expert Team

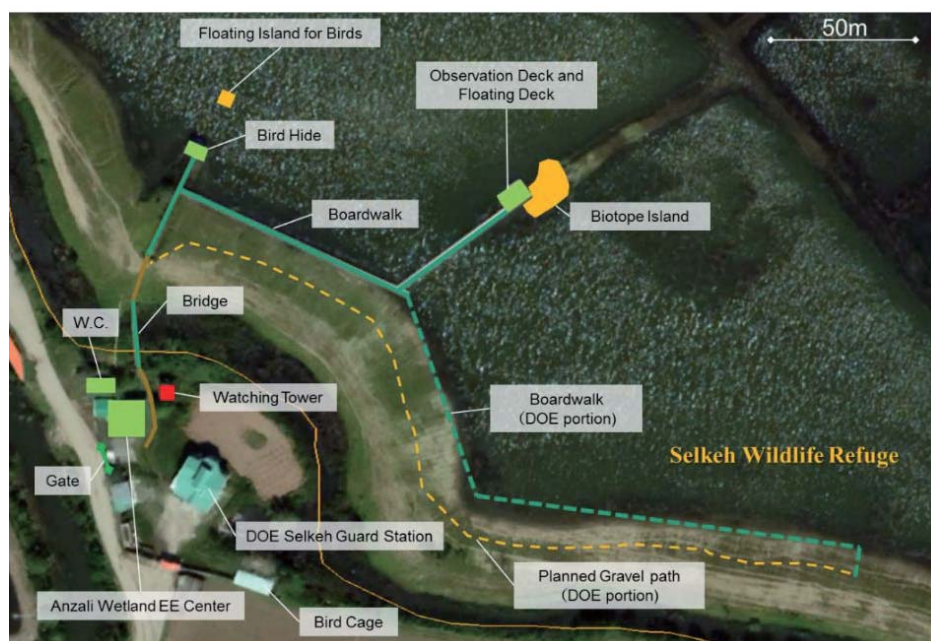
1) Improvement of EE Facilities in AWEEC

Renovation of the AWEEC is shown in the following tables. Almost of them were repaired and installed by Japanese budget. The AWEEC, located in Selkeh Wildlife Refuse, was constructed under the JICA MP Study in 2004 to promote environmental education activities to understand an importance of the wetland conservation through the experience-based EE program by its facility and equipment. The AWEEC consists of main center building, bird watching tower, bird hide, and boardwalk, during 2014-2018, these facilities were renovated under the Phase II Project. In addition, new boardwalk and biotope, observation deck with floating deck, piles, floating island for birds were constructed in the wetland. These renovation/repair works were done by Japanese budget in 2017-2019. EE experts of JET supported to plan, procure and construct. In addition, site management/safety management expert (architect) of JET supervised the construction works of new boardwalks and observation deck.

DOE Gilan also constructed additional boardwalk connect to existing boardwalk in 2018.

These facilities is effective and attractive for visitors. Facilities of the AWEEC is shown in Table 3.7-4, Table 3.7-5, Figure 3.7-1, and Figure 3.7-2. These repair/renovation works were carried out based on the renovation plan discussed under the EE SC. Repair/Renovation plan and implementation status of the AWEEC is shown in Table 3.7-5. During the JPA implementation, most of repair/renovation were implemented by Japanese budget. These facilities were well-designed in order to maximize the experience to feel real nature.

In March 2019, Mr. Taghipour was assigned as manager of the AWEEC of DOE Gilan. He is the first DOE manager of AWEEC. He started to manage the center and to educate students and visitors regularly in cooperation with EE expert of DOE Gilan and nature guides of NGOs. This was a great step to promote the experience-based EE activity by using AWEEC.



Source: JICA Expert Team
















Figure 3.7-1 Facility Map of AWEEC

























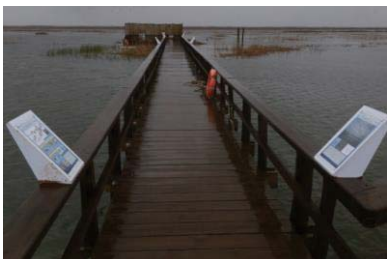


Source: JICA Expert Team
















Figure 3.7-2 Current Situation of AWEEC and its Facilities as of Feb. 2018

Table 3.7-4 Experience-based Education Facilities in AWEEC

		
Center building of AWEEC	Center building of AWEEC and tower	AWEEC building from tower
		
Inside the center building	Inside the center building	Inside the center (crafts and map)
		
Pelican craft in the center	Mallard craft in the center	Inside the center (counter and kitchen)
		
Inside the center building	Bat box installation	Map signboard
		
New gate of AWEEC (inside)	New gate of AWEEC (outside)	Bird watching tower

		
Bird watching tower	Bird watching tower	Bird watching Tower and signboard
		
Bridge and step	Bridge from AWEEC side	Bridge from Wetland side
		
W.C. building	W.C.	Pipe connected to septic tank
		
Installation of Septic Tan	Installation of Septic Tank	Installed septic tank underground
		
Signboard at entracne from main road	Signboard along roadside	Memorial plate in the center

		
Bird hide	Bird hide	Bird hide
		
Lnadscape from slit of Bird Hide	Bird hide	Bird hide
		
Bordwalk from bird hide	Bordwalk to bird hide and step	Bordwalk to bird hide and step
		
Water level gauge	Biotope island construction	Biotope island construction and installation of piles for bird
		
New boardwalk to biotope	New boardwalk	Boardwalk to biotope

		
Floating and observation deck	Floating and observation deck	Floating deck in biotope
		
Observation Deck with tentative hide	Signboard on handrail of boardwalk	Signboard on handrail of boardwalk
		
Installation of floating wooden island	Floating wooden island and piles	Coots on the floating island
		
Whiskered Terns on Piles for birds	Pygmy Cormorants on piles	Lotus community along boardwalk
		
Many Waterbirds in WR	Many Waterbirds in WR	New Boardwalk (DOE Portion)

Source: JICA Expert Team

Table 3.7-5 Facilities Renovation and Improvement f AWEEC

Location	No	Item	Existing status	
			Already Done	Not yet
EE Center Building	1	Renovation of the Center (Repainting, Repair f Ceiling, Electric Wiring, Smoothing Wall etc.)	X	
	3	Renovation of Bird Watching Tower (repainting and renewal of timbers)	X	
	4	Renovation of Bridge (repainting and renewal of timbers)	X	
	5	Renovation of Toilet	X	
	6	Renovation of Map Signboards	X	
	7	Construction of New Side Gate beside the Center	X	
	8	Installation of Septic Tank for Toilet	X	
	9	4 Guide Signboards Installation along the Road to the Center	X	
Wetland	1	Renovation the Bird Hide (renewal of roof, painting the floor)	X	
	2	Renovation the Boardwalk to the Bird Hide (repainting and renewal of timbers)	X	
	3	Construction of Small Island as Biotope	X	
	4	Construction of New Boardwalk to the Biotope	X	
	5	Construction of Observation Deck including Floating Deck	X	
	6	Signboards Installation on the Handrail of Boardwalk	X	
	7	Installation of Piles for Birds	X	
	8	Installation of Floating Wood Island for Birds	X	
	9	Construction of New Boardwalk (DOE Portion)	X	
	10	Construction of New Gravel Path (DOE Portion)		X
















Note: All items except DOE portion have been done by JICA budget

Source: JICA Expert Team

Environmental education equipment such as 40 binoculars, 5 microscopes, and 3 telescopes, 3bird crafts, etc. were installed in the AWEEC for experience-based EE program in 2017-2018. The facilities and equipment support the participant to feel 'real nature' such as watching many birds, turtles, fish, dragonfly, aquatic plants and touching water. Moreover, bird craft and the pictures/crafts related to the Anzali Wetland are exhibited inside of the AWEEC, which were prepared in the World Wetland Day events to make enjoy the visitors. The list of environmental education equipment of AWEEC is shown in Table 3.7-6 and Table3.7-7.

The equipment, facilities and fixtures have been handed over from JET to DOE Gilan. The equipment, facilities, and fixtures must strictly be utilized only for the EE activities in the AWEEC, but not for any other purpose and location. DOE Gilan should manage number and status of them carefully and permanently under the Minutes of Meeting (MM) between JET and DOE Gilan in the Project.

Table 3.7-6 Photos of Environmental Education Equipment for AWEEC

		
Binoculars	Program by using binoculars	Telescopes
		
Program by using telescope	Microscopes	Program by using microscope
		
TV monitor and laptop PC	Hydro glasses	Program by using hydro glass
		
Air conditioner	Fun	Cabinet
		
Laminator	Chairs, counter, refrigerator, fun, kitchen stove	Rescue rings

Source: JICA Expert Team

Table 3.7-7 List of Environmental Education Equipment for AWEEC

No.	Name of Equipment	Number of Equipment
1	Binocular (KOWA YF30-6)	38*
2	Telescope (KOWA TSN601) with tripod	3
3	Microscope (NIKON Nature Scope “Fabre-mini”)	5
4	TV monitor (Sony Bravia 55X8500E)	1
5	Laptop PC (ASUS X450L)	1
6	Hydro Glass	2
7	Air Conditioner	1
8	Fun	2
9	Chair	30
10	Cabinet	2
11	Laminator	1
12	Refrigerator	1
13	Kitchen Stove	1
14	Fire extinguisher	1
15	Rescue ring	2


















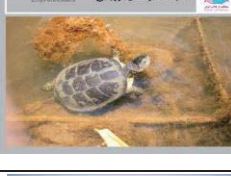


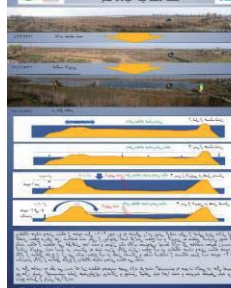

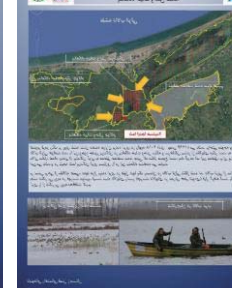

Note: * - Though JET prepared 40 binoculars in 2016, two of them have been lost in activities until 22nd Feb, 2019 during the EE Activities.

For the EE program, JET prepared education materials based on Communication, Education and Public Awareness (CEPA) philosophy for each level student (Primary and lower/higher secondary level) , teachers and local people.

Signboards are one of the most effective tools to explain the things related to the Anzali Wetland Conservation. They are categorized to three categories. 1st type is to explain the fauna and florae such as birds, mammals, reptiles etc. 2nd type is to explain the function of ecosystem, conservation and restoration activities. The last type is to deliver messages to conserve the wetland. Almost of them were prepared by JET as shown in Table 3.7-8. All electric data of signboards was handed over to the member of EE SC to update the signboards by SC members after the project. Almost of the installed signboards were simple laminated sheets. Even permanent signboards are easily degraded within some years and the information should be updated. Almost of the signboard’s information should be changed seasonally. Therefore, the laminated simple signboards are very useful and flexible tool to keep to show the latest information to visitors.


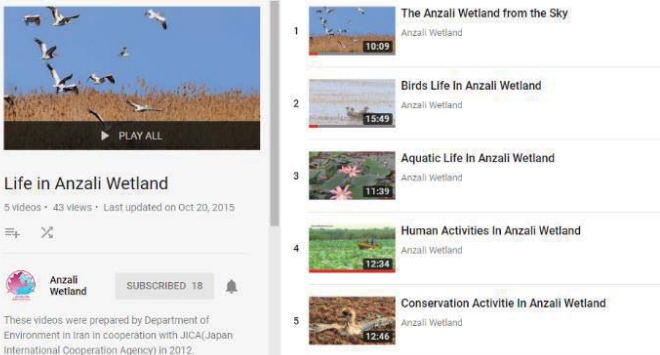



Some of the materials such as booklets, game and videos were prepared from Phase I of the project as shown in Table 3.7-9. These materials were very effective as supplemental tools for experience-based education program.

Table 3.7-8 Several Prepared Signboards in the AWEEC

<p>1. Fauna Signboard</p> <p>Residential Birds</p>				
<p>Winter Birds</p>				
<p>Summer Birds</p>				
<p>Mammals</p>				
<p>Amphibians and Reptiles</p>				
<p>2. Explanation Signboard</p>				
<p>3. Message Signboard</p>				

Source: JICA Expert Team

Table 3.7-9 Education Materials of the AWEEC

	
<p>“Life in Anzali Wetland” 5 Video programs for Anzali Wetland Conservation (prepared by Phase I Project) They are available to see in aparat www.aparat.com/anzaliwetland or youtube www.youtube.com/c/anzaliwetland</p>	
	<p>“Ecosystem of Anzali Wetland” Booklet for secondary school student prepared in phase I project. More than 3,000 copis were reprinted in the phase II Project.</p>
	<p>“Birds in Anzali Wetland” Booklet and games for primary school students prepared in phase I project. More than 3,000 copis were reprinted in the phase II Project.</p>
	<p>“Environmental Education for the Anzali Wetland Conservation” Booklet for school teachers and principals. Prepared in the phase II Project. 1,000 copies were printed.</p>

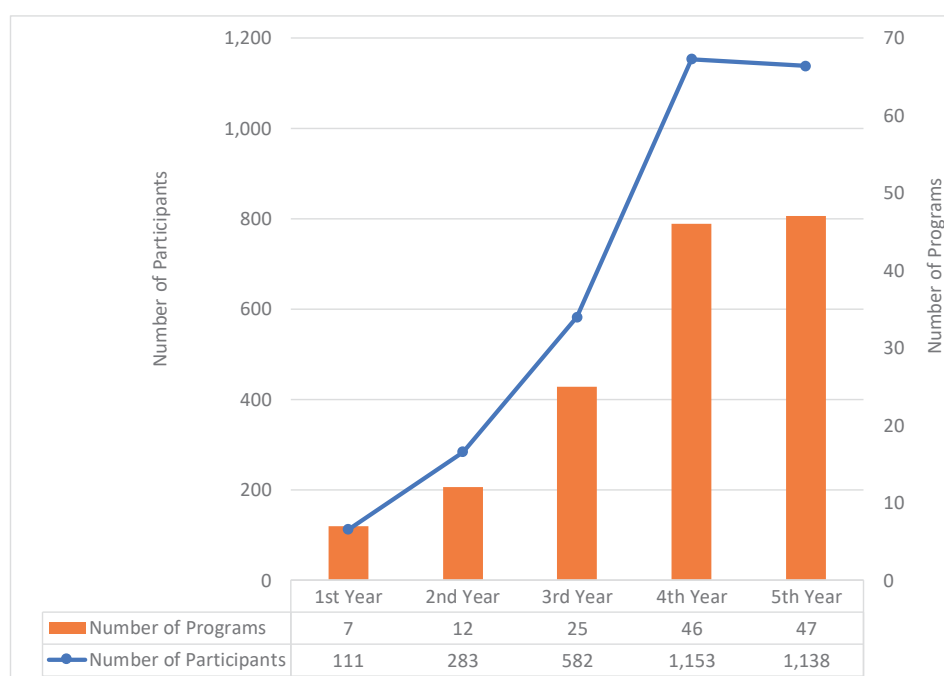
Source: JICA Expert Team

2) Regular EE program Especially for School Student by DOE Gilan, EO, and Kanoon

EO and Kanoon implemented the experience-based EE program regularly for students from Rasht City, Anzali City, and Somesara District during both of summer and winter long holiday seasons.

As the regular EE program in the AWEEC, participants took a lecture of importance of the Anzali Wetland and its ecosystem. After the lecture, they learned how to use equipment of AWEEC and experienced ‘real nature’ using the equipment in biotope and bird watching tower. Over the last 5 years, more than 3,200 students/participants participated in the EE program in AWEEC and learned about the ecosystem of Anzali Wetland and its role as shown in Tables 3.7-10 and 3.7-11.

A chart of number of regular EE programs and participants of AWEEC during the Project is shown in Figure 3.7-3. The number of the program and participant were increased by year by year. And then, the DOE manager of AWEEC was assigned as the manager of center and instructor of the project. The experience-based programs will be increased more in future. Components of Participants of AWEEC in the Project is shown in Figure 3.7-4. Almost of the participants are primary and secondary school students including Kanoon members. In addition to them, university students, teachers and principals, NGO members etc. attended the program in AWEEC.

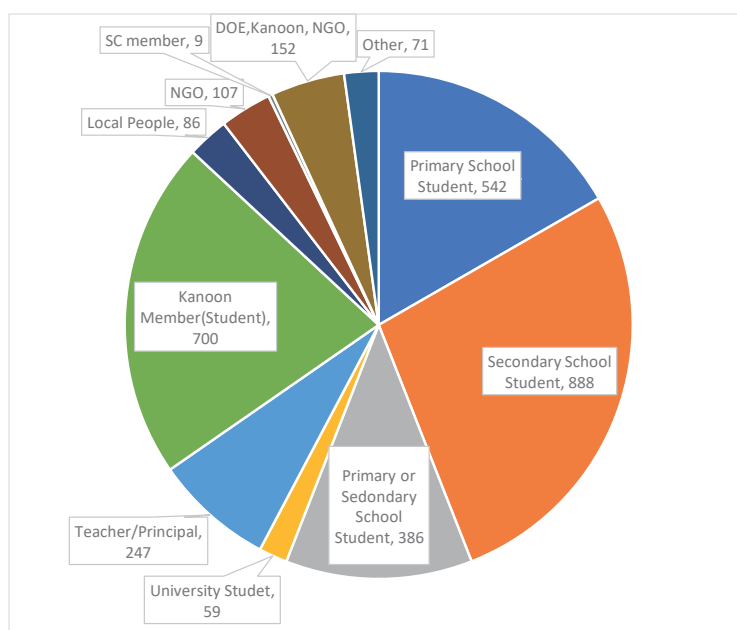


Note1: 5th year is tentative number as of After preparation of this report, additional programs are implementing in 5th year.

Note2: This chart doesn't include the number of public open activity

Source: JICA Expert Team

Figure 3.7-3 Number of Regular EE Programs and Participants of AWEEC in the Project



Source: JICA Expert Team

Figure 3.7-4 Components of Participants of AWEEC in the Project

Table 3.7-10 Regular EE Programs and Participants of AWEEC

No	Date	Contents	Participate	No of participant
1	17 Dec, 2014	Trail EE program	Members of NGOs	12
2	18 Dec, 2014	The Award Ceremony for Anzali Wetland Logo competition	Winners of logo ceremony	5
3	14 Jan, 2015	EE program for primary level	Students of Mahdiyeh primary school	26
4	29 Jan, 2015	Bird Watching workshop	Members of bird watching NGOs from Tehran	15
5	3 Mar, 2015	EE program in Wild Life Day	Girls members of Kanoon	17
6	3 Mar, 2015	Third EE SC Meeting	EE SC members	9
7	4 Mar, 2015	EE program for Kanoon's members	Members of Kanoon postal library	27
8	10 Oct, 2015	EE program for directors, deputies and training experts	Head, deputies and training experts (EO branches of Gilan) (cities around the Anzali Wetland)	28
9	19 Nov, 2015	EE program	For students grade 2 and 4 of primary school members of Kanoon's postal library	38
10	13 Dec, 2015	Interpretation Workshop	For instructors and experts of NGOs and Kanoon	31
11	10 Jan, 2016	EE program for by GWEPS NGOs	For housewife of Taskooh Village from Masal	12
12	24 Jan, 2016	EE Program for students	Students grade seven of Hazrat Masoomeh secondary school from Taskooh (Masal)	24
13	1 Feb, 2016	EE Program for DOE Masal (first)	Village headmen of Masal and Shanderman	17
14	18 Feb, 2016	EE program for DOE Masal (third)	Village headmen of Masal	17
15	2 Mar, 2016	EE program for principals, deputies and training teachers of schools around Anzali Wetland (second)	principals, deputies and training teachers of schools around Anzali Wetland	34
16	8 May, 2016	Bat House making workshop	Secondary grades students of Fouman	18
17	26 May, 2016	EE program for teachers and parents (PTM) heads from Rasht	Teachers and PTM heads from Rasht	23
18	27 May 2016	EE program for Science, Biology and Geology teachers	Science, Biology and Geology teachers from Fouman	18
19	1 June, 2016	EE for Junior Secondary schools' teachers	Geology teachers of Gilan	23
20	6 Aug, 2016	EE for students in Summer Season	Boy students of Nahi Ghanad Secondary school of Rasht	12

No	Date	Contents	Participate	No of participant
21	9 Aug, 2016	EE for students in Summer Season	Members of Hagh shenas Cultural and Training Centre of Khomam	18
22	16 Aug, 2016	EE for students in Summer Season	Boy Students of Albourz 2 SS of Rasht	31
23	20 Aug, 2016	EE for students in Summer Season	Girl students of Khayam SS, District 1 Rasht	19
24	24 Aug, 2016	EE for students in Summer Season	Girl students of Shahid Sadr Institute, Rezvanshahr	20
25	27 Aug, 2016	EE for students in Summer Season	Boy students of Shhid Rastravesh Junior high school, Rezvanshahr	18
26	30 Aug, 2016	EE for students in Summer Season	Girl Students of Shahid Chamran Cultural Centre, Anzali	21
27	6 Sep, 2016	EE for students in Summer Season	Boy Students of Shariati secondary school of Rasht	18
28	8 Oct, 2016	EE on child and Environment Day	For boys and girls member of Kanoon's postal library	36
29	6 Nov, 2016	EE program with presence of Mr. Pourshaban, DG of Kanoon	For girl students grade eight Sama Secondary School, member of Kanoon	48
30	10 Nov, 2016	EE program with presence of Mr. Hajati, DG of EO	For principals of schools in Anzali and around Anzali Wetland	23
31	17 Nov, 2016	EE program for Green School	For Green Schools principals in Gilan	18
32	1 Dec, 2016	EE Workshop for teachers	PS teachers of different cities around Anzali Wetland	34
33	4 Dec, 2016	EE workshop for University Students	Students from Farhangian University	39
34	6 Dec, 2016	Subcommittee meeting	SC members	11
35	13 Dec, 2016	EE workshop for NGO	EE workshop for members of SI NGOs	16
36	29 Jan, 2017	EE workshop for student	Lower SS boy students of Sama SS	20
37	31 Jan, 2017	EE workshop for student	EE workshop for higher SS boy students of Sama school	14
38	5 Feb, 2017	Ecosystem Symposium	Ecosystem Symposium in order to report the result of bird and mammal survey	38
39	15 Feb, 2017	EE Workshop for Students	Girl students grades 10 th and 11 th of Sama SS (Rasht)	13
40	16 Feb, 2017	EE Workshop for Kanoon	Children and young adult members of Kanoon	17
41	9 May, 2017	EE Program for student	Girl students grade sixth, Imam Hasan Asgari Primary School, Pirbazar	28
42	10 May, 2017	EE program for member of Lotus Festival Secretariat	Members of Lotus Festival Secretariat from Anzali	15
43	16 May, 2017	EE Program for student	Girl students grate 6 th Habib zadeh Primary school Rasht	20
44	23 May, 2017	EE Program by GWYES and GWEPS	Local women from Pirbazar Village and the instructor of both NGOs	35
45	18 Jul, 2017	EE by Kanoon for Photo and Painting Contest	Students member of kanoon- Rasht	14
46	24 Jul, 2017	EE by Kanoon for Photo and Painting Contest	Students member of Kanoon Anzali (Centre 1)	14
47	26 Jul, 2017	EE by Kanoon for Photo and Painting Contest	Students member of Kanoon Rasht and Siahkal	35
48	29 Jul, 2017	EE by Kanoon for Photo and Painting Contest	Students member of Talesh and Rasht (Centre 3)	27
49	31 Jul, 2017	EE by Kanoon for Photo and Painting Contest	Students member of Kanoon Fouman	15
50	1 Aug, 2017	EE by Kanoon for Photo and Painting Contest	Students member of Kanoon Somesara and Langrood	33
51	2 Aug, 2017	EE by Kanoon for Photo and Painting Contest	Students member of Kanoon Kochesfahan and Rasht (Center 2)	28
52	1 Aug, 2017	Summer EE Program by EO	Students from Khomam city	17
53	5 Aug, 2017	Summer EE Program by EO	Students from Anzali city	20
54	8 Aug, 2017	Summer EE Program by EO	Students from Somesar City	17
55	10 Aug, 2017	EE Program for Instructors (first)	Instructors of DOE, Kanoon and NGOs	17
56	12 Aug, 2017	Summer EE Program by EO	Students from Rezvanshahr City	20
57	15 Aug, 2017	Summer EE Program by EO	Students from Somesara City	17
58	19 Aug, 2017	Summer EE Program by EO	Students from Khomam City	17
59	22 Aug, 2017	Summer EE Program by EO	Students from Rasht (District 2)	22
60	24 Aug, 2017	EE for Instructors (Second)	DOE, Kanoon, NGOs Instructors	35

No	Date	Contents	Participate	No of participant
61	26 Aug, 2017	Summer EE Program by EO	Students from Rasht District 1	14
62	27 Aug, 2017	EE for Secondary Students	Students from Mirza-Kochak khan (Rasht)	13
63	29 Aug, 2017	Summer EE Program by EO	Students from Fouman (Efaf School)	20
64	1 Nov, 2017	EE Program by EO	Girl Students of Sharaf Public exemplary Secondary School from Anzali	22
65	2 Nov, 2017	EE Program for Instructors (Third)	DOE, Kanoon, NGOs Instructors	33
66	8 Nov, 2017	EE for Instructors (Fourth)	DOE, Kanoon, NGOs Instructors	35
67	15 Nov, 2017	EE Program for Students by EO	Primary Girl Students of Shahid Namjoo and Shahid Hadipour from Hendekhale Village	28
68	23 Nov, 2017	EE Program by GWEPS	Girl students of Fakoor Private Secondary School- Rasht	13
69	26 Nov, 2017	EE Program by GWYES	Girl Students of Sepas Private Primary School- Rasht	19
70	28 Nov, 2017	EE Program for Students by EO	Boy Students of Shahid Namjoo, and Shahid Hapipour of Sofiyande Village	36
71	4 Dec, 2017	EE Program by GWYES	Girl Students of Shahid Nejatollahi Primary School- Rasht	39
72	14 Dec, 2017	EE Program by EO	Principals of Schools around Anzali Wetland	42
73	18 Dec, 2017	EE SC Meeting	EE SC members about Biotope and future activities	9
74	5 Feb, 2018	EE program by Kanoon	Students member of Kanoon from Noor Private Secondary School	37
75	25 Feb, 2018	EE Program for Instructors (Fifth)	DOE, Kanoon, NGOs Instructors (Fifth)	32
76	26 Feb, 2018	EE Program for Students by EO	Students of Kosar Secondary School	30
77	27 Feb, 2018	EE Program for Students by EO	Students of Imam Jafar Sadegh Secondary School (Tolamat)	27
78	28 Feb, 2018	EE Program for Students member of Kanoon by Kanoon	Students member of Kanoon from Noor Secondary School of Rasht	24
79	4 Mar, 2018	EE Program for Students by EO	Students of Sama Secondary School	20
80	6 Mar, 2018	EE program for students by EO	Students of Hazrat Zahra Secondary School of Rasht	40
81	7 Mar, 2018	EE Program for Students by DOE Somesara	Students of Secondary school of Ziabar	18
82	11 Mar, 2018	EE program for students by EO	Students of Noor Secondary School of Rasht	26
83	13 Mar, 2018	EE Program for Students by EO	Students of Kosar Secondary School- Anzali	19
84	16 Apr, 2018	EE Program for Students by NGO	Girl Student of Nejatollahi Secondary School	37
85	16 Apr, 2018	EE Program for Students by NGO	Boy students of Kabir Primary School	31
86	22 Apr, 2018	EE Program for Students by EO	Girl students of Peyk Noor Secondary School	26
87	24 Apr, 2018	EE Program for Students by EO	Girl students of Peyk Noor (2) Secondary School	28
88	25 Apr, 2018	EE Program for Students by EO	Girl Students of Kosar Secondary School	32
89	28 Apr, 2018	EE Program for Students by EO	Boy Students of Besat Secondary School	23
90	29 Apr, 2018	EE Program for Students by EO	Girl Students of Imam Ali Secondary School	32
91	25 Jun, 2018	EE for Students by Kanoon	Students member of Kanoon, Rasht	14
92	30 Jun, 2018	EE for Students by Kanoon	Students member of Kanoon, Kochesfahan	16
93	2 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	16
94	7 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	21
95	11 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	21
96	14 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	16
97	16 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	23
98	18 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	35
99	23 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	15
100	25 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	14
101	28 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	19
102	30 Jul, 2018	EE for Students by Kanoon	Students member of Kanoon,	16
103	1 Aug, 2018	EE for Students by Kanoon	Students member of Kanoon,	23
104	4 Aug, 2018	EE for Students by Kanoon	Students member of Kanoon,	15
105	6 Aug, 2018	EE for Students by Kanoon	Students member of Kanoon,	40
106	8 Aug, 2018	EE for Students by Kanoon	Students member of Kanoon,	15
107	11 Aug, 2018	EE for Students by Kanoon	Students member of Kanoon,	20
108	18 Aug, 2018	EE for Students by Kanoon	Students member of Kanoon,	19
109	19 Aug, 2018	EE for Students by EO	Students member of Somesara Training Center	18
110	27 Aug, 2018	EE for Students by Kanoon	Students member of Kanoon,	17

No	Date	Contents	Participate	No of participant
111	28 Aug 2018	EE Program for Students by EO	Students of Somesara Training Center under EO	18
112	29 Aug 2018	EE Program for Students by EO	Students of Shahid Beheshti Training Center of Somesara under EO	13
113	2 Sep, 2018	EE Program for Students by EO	Students of Shahid Fahmide Training Center of Rezvanshahr under EO	17
114	4 Sep, 2018	EE Program for Students by EO	Students of Efaf Training Center of Fuman under EO	20
115	9 Sep, 2018	EE Program for Students by EO	Students of Shahid Motahari Training Center of Rasht under EO	21
116	11 Sep, 2018	EE Program for Students by EO	Students of Reyhaneh Training Center of Rasht under EO	20
117	10 Oct, 2018	EE Program for Students by EO	Students of Shahid Khomamizadeh SS of Rasht	23
118	17 Oct, 2018	EE Program for Students by EO	Students of Shahid Khomamizadeh SS of Rasht	25
119	21 Oct, 2018	EE Program for Students by EO	Students of Shahid Komeil SS School of Rasht	27
120	28 Nov, 2018	EE Program for Students by NGO	Students of Ata Afarin PS by GWYES NGO	18
121	30 Nov, 2018	EE Program for Students by NGO	Students of Bahar-Danesh PS by GWYES NGO	18
122	10 Dec, 2018	EE Program for Students by EO	Students of Shahid Komeil SS of Rasht	40
123	13 Dec, 2018	EE Program for Students by EO	Teachers and instructors of SA of Gilan	25
124	17 Dec, 2018	EE Program for Students by EO	Students of Ghalamchi Secondary School of Rasht	40
125	18 Dec, 2018	EE Program for Students by EO	Students of Hadaf Secondary School of Rasht	30
126	20 Dec, 2018	EE Program for Students by EO	Students of Sama Secondary School of Rasht	40
127	24 Dec, 2018	EE Program for Students by EO	Students of Anvarol-Olum SS of Rasht	40
128	24 Dec, 2018	EE Program for Students by EO	Students from University of Applied Science and Technology, Somesara	20
129	11 Dec, 2018	NGO, DOE, JET	Students of Sepas Primary School by GWYES	30
130	13 Jan, 2019	NGO, DOE, JET	Students of Parsa- Mehr Primary School (GWYES)	30
131	19 Jan, 2019	EE Program for Students by EO	Students of Fazilat Primary School	25
132	30 Jan, 2019	EE Program for Students by EO	Students of Sekhavat Private-PS of Rasht	50
133	2 Feb, 2019	EE Program for Students by EO	Students of Noor Private SS of Rasht	20
134	3 Mar, 2019	NGO, DOE, JET	Students of Allameh Jafari PS of Some Sara	30
135	5 Feb, 2019	EE Program for Students by EO	Students of Hazrat-e-Roghayeh PS of Rasht	35
136	6 Mar, 2019	EE Program for Students by EO	Students of Rad Primary School	40
137	7 Mar, 2019	EE Program for Students by EO	Teachers of Geography Union of EO	30
Total Number of the Participants				3,267

Note 1: After preparation of this report, additional programs are implementing in 5th year.

Note 2: This doesn't have the number of public open activity

Note 3: PS: primary school / SS: secondary school

Source: JICA Expert Team

Table 3.7-11 Several Photos of Regular EE Programs in AWEEC

		
15th Sep, 2014	17th Dec, 2014	4th Mar, 2015
		
19th Nov, 2015	18th Feb, 2016	6th Nov, 2016
		
1st Dec, 2016	4th Dec, 2016	16th Feb, 2017
		
9th May, 2017	15th Aug, 2017	24th Aug, 2017
		
26th Nov, 2017	28th Nov, 2017	18th Dec, 2018
		
30th Jan, 2019	9th Mar, 2019	15th Apr, 2019

Source: JICA Expert Team (Photos after 18th Dec, 2018 were taken by DOE expert)

3) Public Open of Anzali Wetland Environmental Education Center for Visitors

To conserve the wetland ecosystem, people should feel the importance of wetland at first. Because knowing beauty and value of wetland motivate people to conserve the wetland. However, there is not good site except Selkeh to see the Anzali Wetland even though the Anzali Wetland is very huge.

Environmental Education SC under AWMC decided to start “public open” in order to let people know the importance of wetland. In addition, Environmental Education SC decided to introduce a trained NGO guide system as first advanced attempt in Iran. Sometimes people say that in order to protect the ecosystem, protected area should be untouchable and let it be without any human impact. It is not correct. Because such methodology let human forget the importance of wetland. Wise-use, one of the pillars of Ramsar Convention, is important. The public open activity should balance with conservation of the wetland. Therefore, the low-impact public open should be implemented by well-trained nature guides. For appropriate public open, JET implemented training course for management of the AWEEC to members of Kanoon/ three selected NGOs and environmental experts of DOE Gilan. The contents were shown in the following tables. After attendance of basic 5 classes, trainees took a final examination related to management of the Center and got certificate. After final examination, 10 members of GWYES, 2 members of GWEPS and 16 members of SEI received license in addition to Kanoon experts and DOE experts as well-trained nature guide for public open of AWEEC. Continuous follow up training and self-improvement are also necessary to improve the management of the public open and guiding. If new NGO member join the public open, they must be trained by appropriate training programs and must be passed an examination organized by EE SC.

Table 3.7-12 Nature Guide Training Course for the Public Open of AWEEC

No	Date	Contents of Lecture	Number of Participant
1st Basic Training	10 Aug, 2017	➤ Experiential program using EE center's facilities	17
2nd Basic Training	24 Aug, 2017	➤ Anzali Wetland Ecosystem	35
3rd Basic Training	2 Nov, 2017	➤ Nature game program	33
4th Basic Training	9 Nov, 2017	➤ Safety and risk management in outdoor activities	35
5th Basic Training and Examination	25 Jan, 2018	➤ Future Utilization Plan of the EE center and Examination of 4 trainings	32
1st Follow Up	7 June, 2018	➤ Reptiles and Amphibians Seminar	30
2nd Follow Up	11 Mar, 2019	➤ Public Open Guideline ➤ Aquatic Plant Seminar	30

Source: JICA Expert Team

Table 3.7-13 Nature Guide Training Course for the Public Open of AWEEC

		
Course No.1	Course No.2	Course No.3
		
Course No.4	Course No.5	1st Follow-up (Amphibians and Reptiles Seminar)
		
1st Follow-up (Amphibians and Reptiles Seminar)	2nd Follow-up (Aquatic Plant Seminar)	2nd Follow-up (Aquatic Plant Seminar)
		
2nd Follow-up (Aquatic Plant Seminar)	Certificate ceremony	Nature Guide with certificate and ID card

Source: JICA Expert Team

The activities have been conducted by support of three NGOs; i) Gilan Women against Environmental Pollution Society (GWEPS), ii) Gilan Women and Youths Environmentalist Society (GWYES), and iii) Sarzamin-e -ideal ma Environmental Institute (SEI). After the trial public open, the activity has continued in every Friday based on discussion with EE Sub-Committee until now.

Members of three NGOs were trained very well as co-manager and nature guide of the EE Center. The EE Center has been opened every weekend since February 2018. 2,309 visitors

participated the public open programs which were guided by licensed NGO staff until Feb 1, 2019. Visitors came not only from Gilan Province but also from Tehran and neighbouring provinces.

In addition, JET supported to prepare “the guideline of public open for nature guide”. Rules for the AWEEC usage was also prepared as shown below.

Rules for the AWEEC Usage




General Prohibition

- Don't eating and no drinking outside the EE Center (Bird Watching Tower, Bird Hide, and Boardwalk). You can eat something in the EE Center, but please bring your garbage to home.
- No Smoking in reserved areas (including the EE Center).
- Do not run, sing or shout at the wood road or the bird watching tower (Birds will be surprised your action!)
- Don't take plants and animals out of permitted place (Biotope) inside protected areas or bring them from outside.
- Do not enter inside the wetland, you should walk just wooden path.

Request for Safety Use

- All children must be accompanied by parents.
- Binoculars are used by everyone. Please use it carefully and return it to the EE Center in a clean condition. If you drop or broke it accidentally, please don't hesitate to tell the staff.
- Please be careful on the wooding path and Bird Watching Tower. If your found dangerous place in these equipment, please tell the staff. Staff will inform DOE guards.

Table 3.7-14 Several Photos of Public Open of AWEEC

		
8th Feb, 2018	9th Feb, 2018	8th Jun, 2018
		
24th Aug, 2018	7th Sep, 2018	21st Sep, 2018
		
2nd Nov, 2018	9th Nov, 2018	16th Nov, 2018
		
23th Nov, 2018	7th Dec, 2018	14th Dec, 2018
		
25th Jan, 2019	15th Feb, 2019	1st Mar, 2019

Source: JICA Expert Team

4) Inter Provincial Seminar for DOE EE Officers in AWEEC

A field program was held for sharing the experiences of EE activities under the Anzali Wetland Ecological Management Project Phase II for 35 DOE EE officers from DOE HQ and the other provinces including Director General of the office for public participation and deputy head of educational and research centre of the DOE HQ on 17th Feb, 2019 as shown in Figure 3.7-5.

DOE officers visited the AWEEC and they studied the history and concept of the AWEEC and implementing experienced-based EE programs using the AWEEC including public open. They also experienced the experience-based EE program. DOE EE Officers from the other provinces were very impressed the AWEEC facilities, equipment and programs and some of them expressed to introduce similar experience-based EE facility to their provinces.

At the end of the seminar, Ms. Jila Mehdi Aghaei, Director General of the office for Public Participation of DOE HQ, and Mr. Setogi, Head of Education and Research division of DOE Gilan, sent certificate of appreciation for support of EE activity in the project to the JICA EE Experts, Mr. Watanabe and Ms. Masaki as shown in Figure 3.7-6.



Source: JICA Expert Team

Figure 3.7-5 Inter Provincial Seminar for DOE EE Officers in AWEEC



Source: DOE

Figure 3.7-6 Certificate of Appreciation to JICA Expert from DOE

(2) JPA-2: Preparation and Implementation of EE Curriculum for School Class and Implementation with Teachers' Training Program

In official school education, importance of EE has started to be recognized, as it is evident from the agreement between Ministry of Education and DOE at the central level. Nevertheless, such awareness was still slow to be fully embraced in Gilan, in particular for EE for conservation of the Anzali Wetland, and concrete activities for EE were yet to be organized at the beginning of the project. Recently a curriculum "human and environment" for secondary school student was introduced. It was very good opportunity to introduce the EE about the Anzali Wetland conservation to school curriculum in Gilan province. However, schools still lack resources to offer EE programs such as trained teachers and instructors, educational materials, facilities and the budget for EE activities. The project has supported preparation and implementation of EE curriculum for School Class and Implementation with Teachers' Training Program.

The implementation schedule of JPA-2 is shown in following table. Many schedules of the JPA-2 were on schedule. However, teacher training for EE class for Anzali Wetland conservation in the curriculum "human and environment" by using booklet "Lotus" and videos "Life in Anzali Wetland" was implemented for only 70 teachers. The further training should be continued.

Table 3.7-15 Implementation Schedule of JPA-2

Activities		2015		2016			2017			2018			2019		Remarks	
		1394		1395			1396			1397						
		2nd Year			3rd Year			4th year			5th year					
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep		Oct-Dec
a) Localizing of the Agreement between EO and DOE Gilan	Plan															Agreement between DOE gilan and EO Gilan
	Actual															
b) Preparation of EE Curriculum	Plan															"Human and environment"
	Actual															
c) Preparation of EE Materials	Plan															Development of regular program and public open activities
	Actual															
d) Development of Teacher Training Program	Plan															Development of programs by using booklet "Lotus" and videos
	Actual															
e) Implementation of Teacher Training	Plan															Teacher training is not enough. The program should be continued for long time. However, limited programs were implemented.
	Actual															
f) Implementation of EE program in Model Schools	Plan															Not only model schools, also schools around AW, programs were started by using booklet "Lotus" and videos
	Actual															
g) Preparation of Renovation plan of EO facilities in Anzali City	Plan															Anzali Wetland Nature School
	Actual															

Source: JICA Expert Team

1) Environmental Education Program for Wetland Conservation at ‘Human and Environment’ Curriculum

As described in previous chapter about JPA-1, experience-based education program is very important. However, there are many students in Gilan province including the watershed of Anzali Wetland. The capacity of AWEEC and budget are limited. Therefore, the province-wide indoor curriculum is also important to promote the Anzali Wetland conservation. From autumn in 2017, ‘Human and Environment’ curriculum was started as official curriculum in Gilan Province for 9th grade student. This curriculum is obliged to teach about the relationship between humans and environment. As a part of this curriculum, EO in cooperation with JET and DOE prepared a learning course for student about the history and relationship between the Anzali wetland and local people around the wetland. As a first step, “Environmental Education for the Anzali Wetland Conservation” booklet for teacher was prepared in 2017. And then Booklet “Lotus” for students with 28 pages was prepared in 2018 as shown in Figure 3.7-7. 25,000 copies of booklet “Lotus” were printed in total.

In addition, training program, which using the Lotus Booklet and “Life in Anzali Wetland (videos)” for Anzali wetland conservation, was implemented for secondary school teachers as shown in Table 3.7-16 and Figure 3.7-8. Around 70 teachers participated from whole Gilan Province, however, the number was very limited. EO should continue the teacher training program for all teachers in charge of ‘Human and Environment’ curriculum as well in post-project phase.



Source: JICA Expert Team

Figure 3.7-7 Material for Human and Environment “Lotus” Booklet

Table 3.7-16 Training Course of the curriculum of ‘the Human and Environment’

Date	Content	Participate	Venue	Number of Participant
14 February, 2018	EE program for Human and Environment Lesson from higher Secondary Schools around Anzali Wetland	Human and Environment teachers of Schools around Anzali Wetland	Research Center of EO Gilan	70

Source: JICA Expert Team



Source: JICA Expert Team

Figure 3.7-8 Teacher Training Course of the curriculum of ‘the Human and Environment’

2) Renovation of Anzali Wetland Nature School (AWNS)

Through JPA activities, the operating ratio of the AWEEC has been increased year by year. For future environmental education on wetland, it is desirable to establish facility with the same function as the Anzali EE Center to be able to implement EE program more flexibly/actively for student around the Anzali Wetland.

An old school owned by Student Association (SA) of Anzali which is an EO subsidiary is located in forest along the Nahang Roga river in Beheshte Island of Anzali City. It has facilities such as hall, cabins and toilets. The facilities have not been currently used due to deterioration as aging. JET, EO and DOE Gilan conducted field survey of them and discussed how to renovate and utilize the facility as experience-based environmental education facility for the Anzali Wetland conservation. Under agreement of EE Sub-Committee, EO and SA started renovation works from July 2018 for development of the Anzali Wetland Nature School (AWNS) for learning of an importance of the wetland conservation through the experience-based program.

The renovation work of AWNS includes renovation of main hall and toilet, construction of watching tower, wooden deck, work deck with desk/chair, and other facilities which are shown in following figures and table. EE experts of JET supported to plan, procure and construct. In addition, site management/safety management expert (architect) of JET supervised the construction works of new facilities except the hall renovation.



Source: JICA Expert Team

Figure 3.7-9 Facility Map of AWNS



Source: JICA Expert Team

Figure 3.7-10 Current Situation of AWNS and its Facilities as of Feb. 2018

Table 3.7-17 Experience-based Education Facilities in AWNS

		
Wood Deck and Hall	Inside Hall	Observation Tower
		
Workshop Deck	Stage for Practice Field	Observation Tower
		
Quiz Board	Map Signboard	Forest Walk
		
Covered Well	Biotope	Swing

Source: JICA Expert Team

Table 3.7-18 Renovation works for Anzali Wetland Nature School

No.	Item	Number	Remarks
1	Wooden Open Deck	1	New construction
2	Workshop Deck (with table and chair)	4	New construction
3	Stage for Practice Field	1	New construction
4	Observation Tower	1	New construction
5	Map Signboard	1	New construction
6	Quiz Board (See Figure 3.7-11)	10	New construction
7	Main Hall and Toilet	1	Renovation of existing facilities
8	Covering the Well	1	Covering Work of existing well for safety
9	Fence around the Heron's Forest	1	New construction
10	Forest Walk	1	New construction
11	Biotope (Artificial Pond)	1	New construction
12	Swing	1	New construction on the wooden open deck

Source: JICA Expert Team



Source: JICA Expert Team

Figure 3.7-11 Installed 10 Quiz Boards for Self-Guide EE Program in AWNS

The renovation works have finished by middle of February 2019. The opening ceremony of AWNS was implemented at 24th February 2019 by EO and Student Association. In the AWNS, JET and Student Association signed MM for continually management and operation of AWNS

at the ceremony and equipment such as binoculars, telescopes, and microscopes for experienced-base EE program have been handed-over from JET to student association.

JET supported a trial experience-based education program by using the facilities and equipment of AWNS in attendance with the secondary school students in Anzali City on 16th March, 2019.

Table 3.7-19 List of Environmental Education Equipment for AWNS

No.	Name of Equipment	Number of Equipment
1	Binocular (KOWA YF30-6)	50
2	Telescope (NIKON PROSTAFF3)	5
3	Microscope (NIKON Nature Scope “Fabre”)	10
4	TV monitor (Sony Bravia 55X8500E)	1
5	Chair	70
6	Cabinet	1
7	Other material (Books, Poster, Bird craft, and etc.)	-

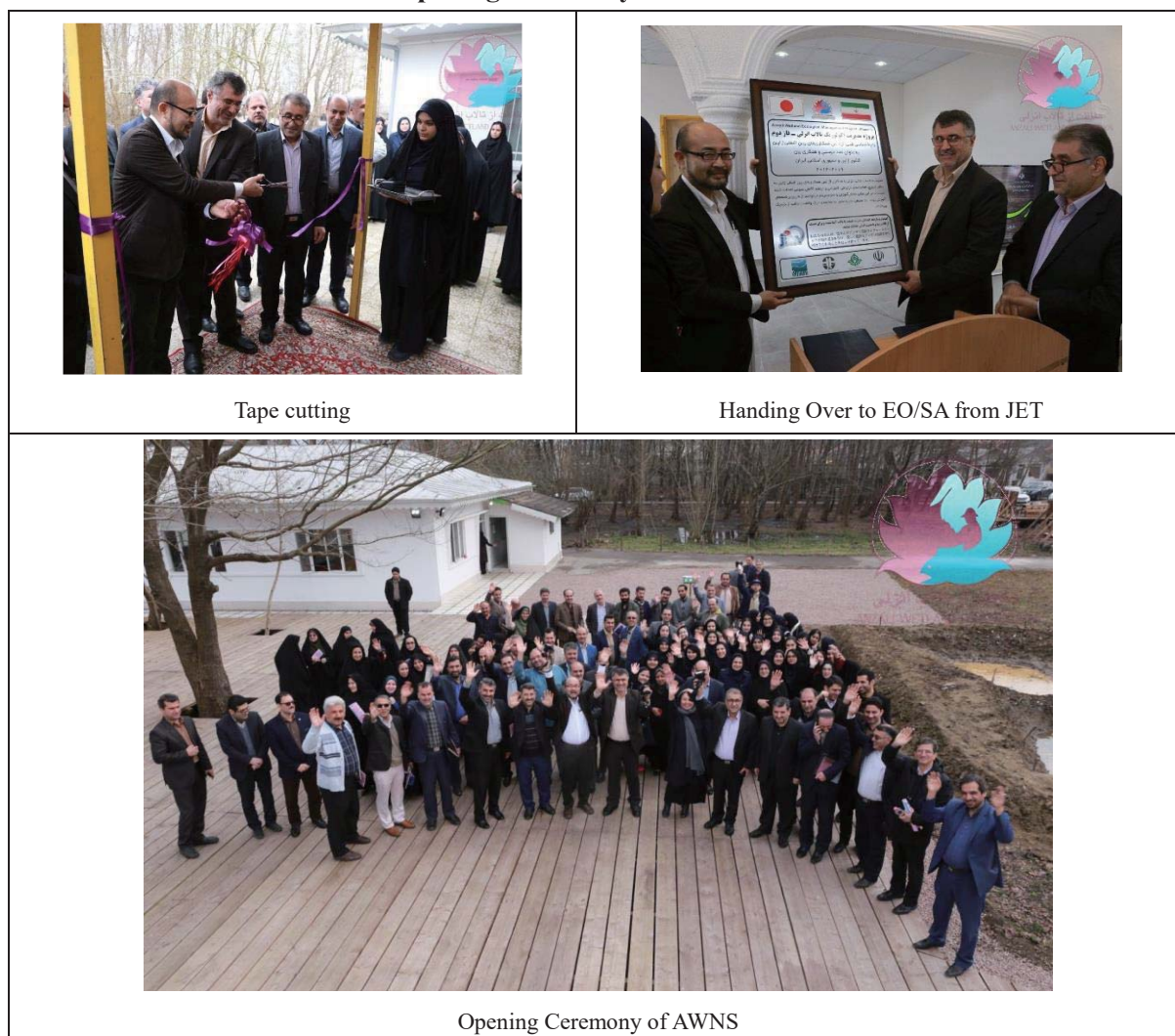
Source: JICA Expert Team

Table 3.7-20 Equipment for Educational Program in AWNS

		
Telescope with Tripod	Binocular	Pelican Craft
		
Microscope	Binoculars in Cabinet	TV monitor
		
Starter Guide for binocular	Starter Guide for telescope	Starter Guide for microscope

Source: JICA Expert Team

Table 3.7-21 Opening Ceremony of AWNS on 24th Feb. 2019



Tape cutting

Handing Over to EO/SA from JET

Opening Ceremony of AWNS

Source: JICA Expert Team

3) Internet Conference between Students of Anzali Wetland and Kushiro Wetland

In commemoration of the World Wetland Day, in February of 2017 and 2018, DOE Gilan, EO and JET conducted internet student conference between Anzali City and Kushiro City. In the student internet conferences, Iranian and Japanese students introduced each other about their school, life, culture and ecology of each wetland (Anzali and Kushiro Wetlands) using the Skype audio video internet connection. These activities made students familiar with the importance of wetland and promote the friendship between Iran and Japan. The first conference was held between Mirzakoochak Khan secondary school (Rasht, Iran) and Shibechea secondary school (Shibechea, Japan) on 2nd February 2017 to celebrate WWD as shown in Figure 3.7-12. The second conference was held between Sharaf secondary school (Anzali, Iran) and Koryo secondary school (Kushiro, Japan) on 6th February 2018 as well.



First Conference on 2nd February 2017



Second Conference on 6th February 2018




Source: JICA Expert Team

Figure 3.7-12 Internet Student Conferences between Iranian and Japanese Schools

4) Preparation and Distribution of Booklet of Messenger to Nowruz Holiday for Primary and Secondary Students

EO prepared a Nowruz Booklet for student's self-study in Nowruz holidays every year from 2016. As a preliminary step for wetland conservation before official introduction to school curriculum, JET contributed an article about the Anzali Wetland conservation, introduction of the EE center and EE activities in the AWEEC to the booklet for each level. The booklet was distributed among most students, who live in Gilan province.

Table 3.7-22 Internet Conference between Kushiro and Anzali Wetland

		2016
		2017
		2018

Source: JICA Expert Team

5) The Other Activity for Students by EO

EO implemented World Wetland Day Festival in Dehkadeh Seheli Anzali Conference Hall in Anzali City from 3rd to 9th Feb, 2018.

Around 500 students who lived in Anzali City and Rasht City attended the festival and learned meaning of WWD and importance of Anzali Wetland through Video program and short play by students.



Source: JICA Expert Team

Figure 3.7-13 Photos of World Wetland Day Festival by EO

(3) JPA-3: Implementation of Broader EE Program

Various EE programs for children, young adults, local residents and other people should be regularly implemented by different organizations such as DOE Gilan, Kanoon, and NGOs. For the project activity, three NGOs have been selected as EE SC member through proposal selection in 2014. The three NGOs were; Gilan Women against Environmental Pollution Society (GWEPS), Gilan Women and Youths Environmentalist Society (GWYES), and Sarzamin-e-ideal ma Environmental Institute (SEI). Through this project, the three NGOs and Kanoon have been keenly engaged in various EE activities related to the Anzali Wetlands. Public open of Anzali Wetland Environmental Education Center by NGO were mentioned as JPA-1.

The implementation schedule of JPA-3 is shown in following table. Many schedules of the JPA-3 were on schedule.

Table 3.7-23 Implementation Schedule of JPA-3

Activities		2015		2016				2017				2018				2019		Remarks
		1394		1395				1396				1397						
		2nd Year				3rd Year				4th year				5th year				
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar		
a) Preparation of new EE Materials (as necessary)	Plan																	
	Actual																	
b) Development of EE programs	Plan																	
	Actual																	
c) Implementatin of EE programs	Plan																	
	Actual																WWD programs, etc.	

Source: JICA Expert Team

1) EE Activities Organized by Kanoon

Kanoon(Institute for the Intellectual Development of Children and Young Adult) have held World Wetland Day's Event in the project to promote education activities to understand an importance of the wetland conservation for students in February 2016-2019 continually in facilities belong of the Kanoon with cooperation with DOE Gilan EE section and other NGOs. At the WWD event, Kanoon and environmental NGOs exhibited booths related EE activities and a lot of painting, photos and crafts related to the Anzali wetland were displayed. Students and the public could learn about the environment of the Wetland conservation by experiencing nature games and their exhibits. In parallel with the exhibition, a skit and ceremony by students, a site visit of Anzali Wetland, exhibition of contest of paintings and photographs were held by Kanoon. In total, more than 5,000 students participated in the EE events organized by Kanoon during the project. In addition, Kanoon was very interested in Japanese Origami-craft. JET

supported to develop the wetland education program by using origami craft and provided many Japanese origami papers for EE programs by Kanoon.

Table 3.7-24 EE Activities Organized by Kanoon

No	Date	Content	Participate	Num. of Participate	Venue
1	7 to 14 Feb 2016	Exhibition of World Wetland Day	Primary and Secondary Students in Rasht, Local people	Over 1,000	Kanoon Center No.3
2	1 to 9 Feb, 2017	Exhibition of World Wetland Day	Primary and Secondary Students in Rasht, Local people	Over 1,000	Kanoon Center No.3
3	7 Feb. 2017	World Wetland Day	Boy and Girl Students of Hafte Tir Primary School	60	Hafte Tir Primary School
4	2 Sep, 2017	Photo and Painting Contest Ceremony	Primary and Secondary Students in Rasht, Local people	200	Kanoon Main Center in Rasht
5	3 to 9 Feb, 2018	Exhibition of World Wetland Day	Primary and Secondary Students in Anzali, Local people	Over 700	Kanoon Anzali Center
6	2 to 17 Feb, 2019	Exhibition of World Wetland Day	Primary and Secondary Students in Rasht, Local people	Over 1,000	Kanoon Center No.3

Source: JICA Expert Team

Table 3.7-25 EE Events Organized by Kanoon





Source: JICA Expert Team

As other activity managed by Kanoon, Photo and painting contest related to the Anzali Wetland as shown in Figure 3.7-14 and World Wetland Day's Event were implemented. About 200 works were entered in the photo and painting contests during July to August 2017, and an award ceremony was held in 2nd September 2017. Excellent works were brought to Japan, and these were exhibited at the Kushiro City Hall from 21st October 2017 for the public in Kushiro City. The opening ceremony were held with mayor of Kushiro City and the trainees of training in Japan as shown in Figure 3.7-15.



Source: JICA Expert Team

Figure 3.7-14 Photo and Painting Contest for Wetland Conservation by Kanoon



Source: JICA Expert Team

Figure 3.7-15 Iranian Student's Photo and Painting Exhibition in Kushiro City Hall in Japan

2) EE Activities with NGOs

As mentioned above, three NGOs (GWEPS, GWYES, and SEI) worked deeply in cooperation with this project. GWEPS and GWYES educated local farmers and students about the importance of wetlands through games and lectures in the AWEEC even though these two NGOs sometimes faced difficulties to operate smoothly depending on local conditions.

SEI similarly supported public open activity. In addition, in 2017, SEI worked on the challenge of Water Hyacinth as alien species and carried out removal work and public awareness program for local communities in 2017 are located around the Anzali wetland.

Table 3.7-26 NGOs Activities

 <p>EE Program by GWEPS and GWYES</p>	 <p>EE Program by GWEPS and GWYES</p>
 <p>Public awareness program for Water Hyacinth removal by SEI in Chekovar Village on 22nd Aug. 2016</p>	 <p>EE Workshop for NGOs at AWEEC on 13th Dec. 2016</p>

Source: JICA Expert Team

Internet NGO conference was held between the peoples from NGOs working in Anzali Wetland and Kushiro Wetland at Healthy City Forum near the Eynak Wetland On 2nd Feb, 2019; the World Wetland Day. The purposes of the conference were to share the learning of guide activities of both NGOs. From the Anzali side, more than 30 members from 3 NGOs (GWYES, GWEPS and SEI) were participated. From the Kushiro side, KIWC and around 20members from Association of Kushiro Wetland “Yachi-no-kai” were participated. In the conference, each

NGOs introduced their activities and learning from the experience. In the discussion time, one of the NGO members confirmed the future relationship and continuous learning from each other.



Source: JICA Expert Team

Figure 3.7-16 Internet NGO Conference between Iran and Japan on WWD 2019

(4) JPA-4: Implementation of EE Program by using the Anzali Wetland Visitor Center

There was no activity for the JPA-4 during the 5 years because the Anzali Wetland Visitor Center was opened on 20th Apr, 2019 just before the end of the Project. It has very effective and attractive exhibitions to introduce the importance of the Anzali Wetland.

Anzali City council in cooperation with EE SC should develop the EE programs as soon as possible. Education program can become more effective by combination with experience-based education program in AWNS and AWEEC.



Source: JICA Expert Team

Figure 3.7-17 Exhibitions in Anzali Wetland Visitor Center

(5) JPA-5: Public Relations Activities

Various public relations activities are regularly implemented using mass media and other measures as environmental education for public. Local residents around the wetland and many people in Gilan Province come to understand the importance of wetland conservation through the activity.

The implementation schedule of JPA-5 is shown in following table. Many schedules of the JPA-5 were on schedule.

Table 3.7-27 Implementation schedule of JPA-5

Activities		2015		2016				2017				2018				2019	Remarks
		1394		1395				1396				1397					
		2nd Year		3rd Year				4th year				5th year					
		Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	
a) Implementation of Events	Plan																
	Actual																
b) PR by Mass-media (TV, Radio, Newspaper)	Plan																
	Actual																
c) Preparation and Distribution of Calendars	Plan																From 1st year
	Actual																
d) Preparation and Distribution of Posters and Leaflets	Plan																Guidebooks and posters
	Actual																

Source: JICA Expert Team

1) Competition of Logo for the Anzali Wetland Conservation

A competition event for selection of the logo for the Anzali Wetland conservation was held in order to take people's interest in the Anzali Wetland from 8th July to 31st August 2014. As a result, 54 logos were submitted from the public. Among them, DOE Gilan and JET selected one first prize and 5 second prizes. The logo design was finalized by professional designer based on designs of the winners. The logo consists of lotus blossom, pelican, fish and fisherman as a symbol for the Anzali Wetland. The design symbolizes a coexistence of human and nature in the wetland. The logo was used for public relation goods and all deliverables through the project period. Anybody, not only DOE Gilan but also all relevant authorities, NGOs, and other organizations, people can use the logo for their activities related to the Anzali Wetland conservation.



Source: JICA Expert Team

Figure 3.7-18 Ceremony of Logo Competition on 18th Dec. 2014



Color Version



Black & White Version

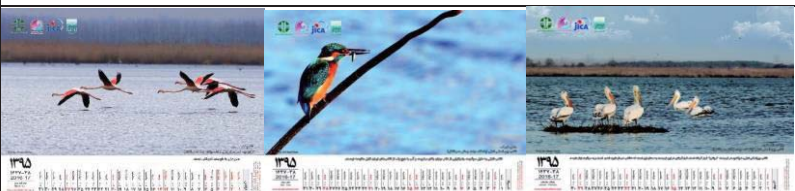



Source: JICA Expert Team

Figure 3.7-19 Logo for Anzali Wetland Conservation

2) Preparation and Distribution of Calendars

A wetland-themed calendar has been produced for the New Year to promote ecological values of the wetland from Iranian 1394-1398 year. The calendars were delivered among schools around the Anzali Wetland, Kanoon's 35 branch offices, and organizations belong to AWMC and SCs including NGOs. These calendars were asked to be shown in the place ,where many people can see, such as lobby in the school.

Table 3.7-28 Calendars for PR Activities

Iranian Year	Photo	Copy
1394 (2015-2016)	No photo	10,000 (1 sheet)
1395 (2016-2017)		500 (13 sheets)
1396 (2017-2018)		1,000 (12 sheets)
1397 (2018-2019)		1,000 (6 sheets)
1398 (2019-2020)		1,000 (6 sheets)

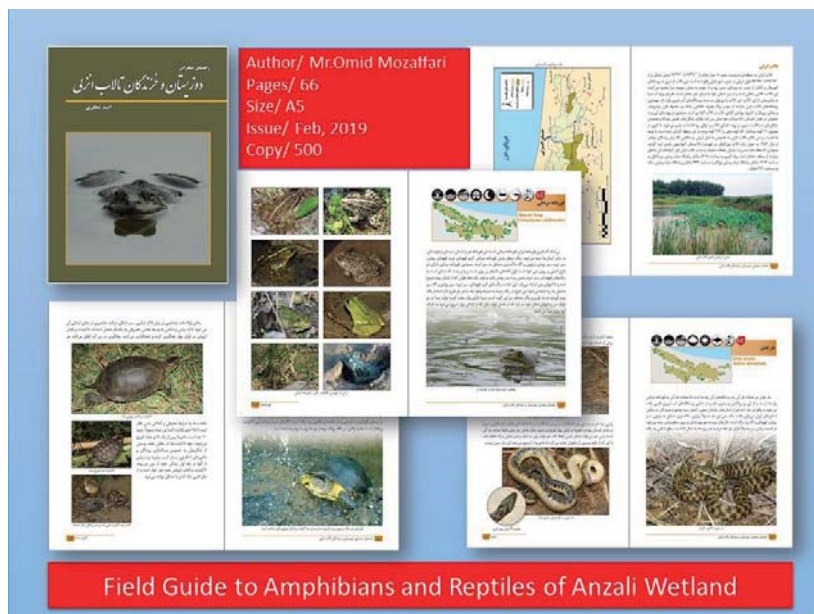
Source: JICA Expert Team

3) Preparation and Distribution of Guidebook

Several guidebooks have been published to raise the awareness about the fauna and flora of the wetland based on the result of JPA-1 Comprehensive Ecosystem Survey under Wetland Ecosystem Conservation SC.

a) Amphibians and Reptiles

The Field Guide to Amphibian and Reptiles of Anzali Wetland described about the all of species of amphibians and reptiles there with many photos as shown in Figure 3.7-20. This booklet was distributed to DOE, the other relevant organizations, Kanoon, NGOs, and schools around the Anzali Wetland.



Source: JICA Expert Team

Figure 3.7-20 Field Guide to Amphibians and Reptiles of Anzali Wetland

b) Fishes

The guidebook “Anzali Wetland Basin Fishes” described about the all of species of fishes in Anzali Wetland and it’s basin with many photos as shown in Figure3.7-21. This booklet was distributed to NIWAI, DOE, the other relevant organizations, Kanoon, NGOs, and schools around the Anzali Wetland.



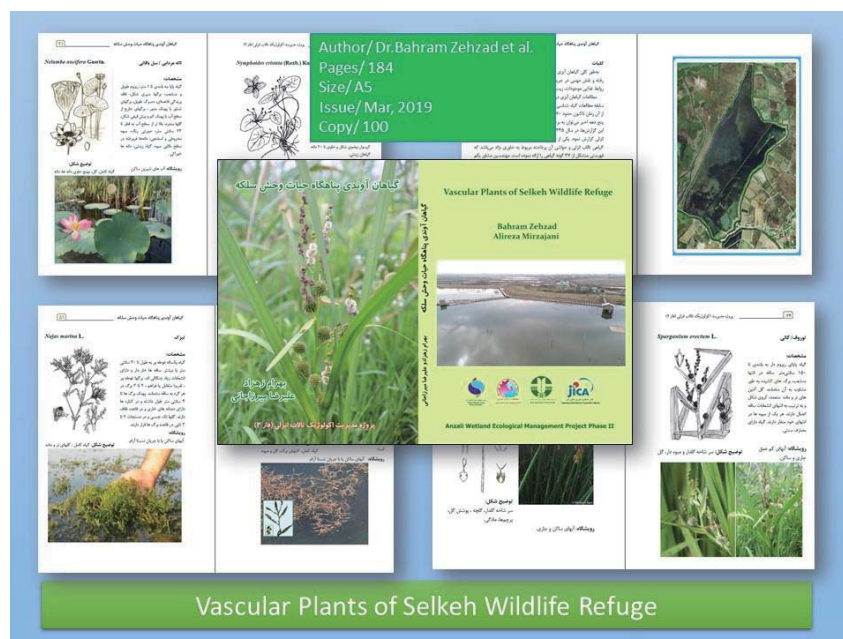
Source: JICA Expert Team

Figure 3.7-21 Guidebook “Anzali Wetland Basin Fishes”

c) Aquatic Vascular Plant

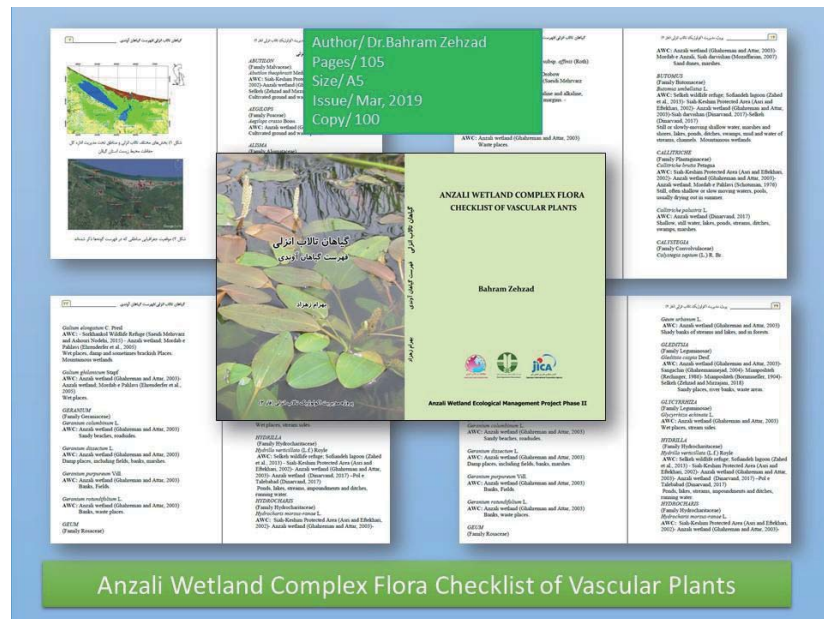
Aquatic plant survey of the Anzali Wetland has not been implemented yet as JPA-1 Comprehensive Ecosystem Survey under WEC SC. However, aquatic plant is very important creatures for experience-based education program in AWEEC. Therefore, a limited survey of aquatic vascular plant survey was implemented in Autumn, 2018 in Selkeh Wildlife Refuge. The guidebook “Vascular Plants of Selkeh Wildlife Refuge” described about the part of species of aquatic vascular plants in Selkeh Wildlife Refuge around AWEEC with many photos as shown in Figure 3.7-22.

In addition, Anzali Wetland Complex Flora Checklist of Vascular Plants was published as shown in Figure 3.7-23. This checklist was prepared based on the literature research by Dr.Zehzad. This checklist is not perfect because of no field survey. However, this is very much better than nothing because it is very useful to understand the wetland flora and ecosystem. Further survey should be implemented about aquatic plants in near futures and the booklets should be updated based on the result of the field survey. These booklets were distributed to DOE, the other relevant organizations, NGOs, Kanoon and schools around the Anzali Wetland.



Source: JICA Expert Team

Figure 3.7-22 Guidebook “Vascular Plants of Selkeh Wildlife Refuge”



Source: JICA Expert Team

Figure 3.7-23 Anzali Wetland Complex Flora Checklist of Vascular Plants

4) Preparation and Distribution of Posters

10 kinds of posters of Fauna and Flora have been published to raise the awareness about the fauna and flora of the wetland based on the result of JPA-1 Comprehensive Ecosystem Survey under WEC SC as shown in Table 3.7-29. These posters were distributed to DOE, the other relevant organizations, NGOs, Kanoon and schools around the Anzali Wetland.

Table 3.7-29 Posters to Introduce Fauna and Flora in Anzali Wetland

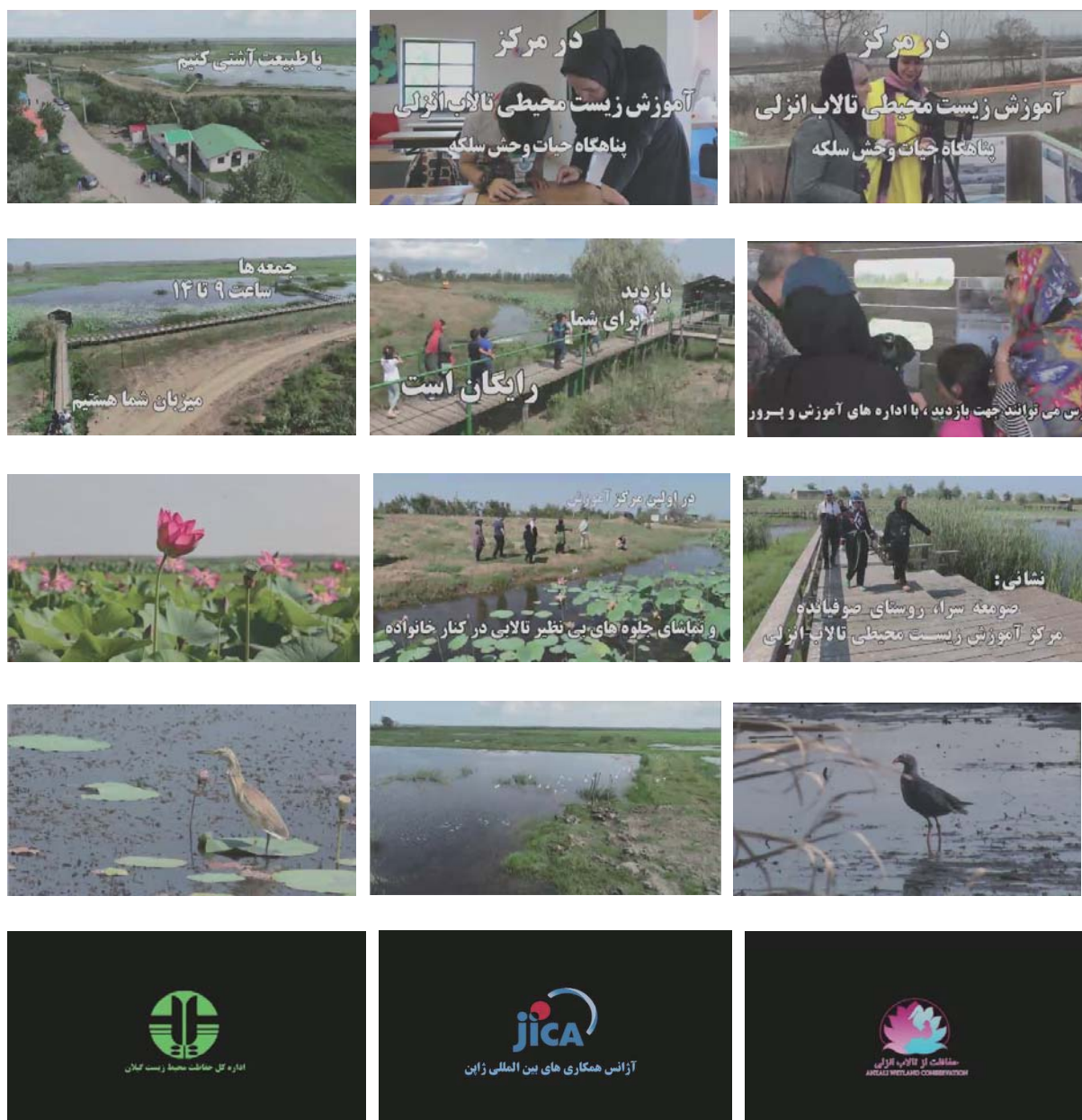
 <p>Mammals in Anzali Wetland 500 copies</p>	 <p>Amphibians and Reptiles in AW 500 copies</p>	 <p>Life cycle and Color Variation in Marsh Frog 500 copies</p>
 <p>Resident Birds in Anzali Wetland 500 copies</p>	 <p>Winter Birds in Anzali Wetland 500 copies</p>	 <p>Summer Birds and Passage Migrant in AW 500 copies</p>
 <p>Fishes in AW and Its Basin 1,000 copies</p>	 <p>Anadromous Fishes/ Important Commercial Fishes in AW and Its Basin 1,000 copies</p>	 <p>Aquatic Plant in Selkeh Wildlife Refuge 100 copies</p>

Source: JICA Expert Team

5) Public Relation by Using Mass Media

As a public relation activity under EE SC, commercial film was broadcasted in Baran TV which is a public broadcast station of Gilan Province to advertise the public open of AWEEC. The

film was 90 seconds long and broadcasted at least 12 times on Thursday and Friday morning in November, 2018. The film was taken by JET and DOE expert and edited by expert of DOE Gilan PR section. The broadcasting the film was very effective not only for advertising the public open of AWEEC but also to introduce the EE activity under the project and beauty of the Anzali Wetland.



Source: JICA Expert Team and DOE Gilan

Figure 3.7-24 Broadcasted Commercial Film for AWEEC Public Open

3.7.5. Achievements

(1) General Achievement

Before JICA Projects, Environmental Education (EE) in Gilan Province had been sporadically conducted with DOE Gilan including its branch office and NGOs as a point of contact, events and visiting lectures in school and so on. These activities had been focused on themes such as waste management and wildlife conservation, and not include conservation of the Anzali Wetland. As described in Section 3.7.4, many activities have been implemented under the Project as JPAs (except JPA-4), with the aim of incorporating environmental education focused on the conservation of the Anzali Wetland into regional education with more experience-based programs. Many people including students participated many programs and events. These participants' awareness has been raised very much. Their knowledge, skills, values, experiences and capacity about the Anzali Wetland conservation were developed. As a conclusion, the purpose of the EE Action Plan has almost achieved in this project. Roughly estimated, at least 10,000 people including students were positively affected by these programs and events of JPAs. If including distribution of Nowruz booklet for student in JPA-2 and PR activities of JPA-5, it can be thought that more than 500,000 people including students in Gilan Province has been positively affected. Furthermore, it can be expected as achievement that the positive impacts appears by many people enlightened and motivated by the JPAs in future.

(2) Achievement of JPA-1

One of the most significant outcomes of the EE activities is that the AWEEC have been enhanced its function as experience-based EE facility very much. More than 3,000 participants including students of primary, secondary school and university, teachers, principals, Kanoon, NGO members participated the regular experience-based education program to feel the real wetland at AWEEC. In addition, more than 2,000 visitors to visit the public open activity of AWEEC on every Friday.

The AWEEC is the first wetland education center in Iran based on the concept of Ramsar Convention. experience-based education facilities and programs are very advanced and effective. Also, these facilities and programs are facilitated by trained nature guide including NGOs. The total package of AWEEC is extremely advanced experience-based education system.

These participants' awareness has been raised very much. Their knowledge, skills, values, experiences and capacity about the Anzali Wetland conservation were developed. This is one of the highest achievements of the project.

(3) Achievement of JPA-2

EO established continual EE activity system for students in the AWEEC together with DOE. EO introduced the 'Human and Environment' curriculum for secondary school student. Booklet "lotus" about the Anzali Wetland conservation was developed and printed 25,000 copies for the curriculum 'Human and Environment. In addition, "Life in Anzali Wetland" including 5 educative videos which prepared in the phase I project are still available to use the curriculum. This booklet has been distributed to students and used for the class.

In order to maximize the effectiveness of the class by using these materials, teacher training was started. Unfortunately, during the project period, it was not possible to implement many times enough for all the teachers. It is hoped to continue the teacher training program in the post-project phase.

EO understood the effectiveness experience-based EE program in AWEEC. Therefore, EO became to send students to AWEEC regularly in cooperation with DOE under JPA1.

Because of the limited capacity of AWEEC, EO and SA established the AWNS as second experience-based EE facility in Anzali City along the wetland in cooperation with JET in February 2019. It has high potential experience-based EE facility; however, the development of the experience-based EE program and instructor training was not enough because of the project period. These activities should be implemented and started the experience-based education program for many students in post-project phase.

EO is responsible organization of education for students, thus EO has advantage of scales to arrange the activities and programs for students. Many activities were arranged by EO with attendance of many students. However, teachers and students around the Anzali Wetland were too numerous to cover perfectly. Some of materials such as self-study booklet for Nowruz holiday s were distributed to about 400,000 students of all pre-primary, primary and secondary students around in Gilan province. JPA-2 achieved very much, even though there was still room to expand and improve the activities.

(4) Achievement of JPA-3

Kanoon has held WWD events for four years and the other programs. In total, at least 10,000 students participated the events and programs for the Anzali Wetland conservation. Kanoon has advantage to educate students by indirect education methodology such as artistic program. Qualities of exhibited works such as paintings and crafts related to Anzali Wetland made by Kanoon members improved year by year. specially the works made by students, who participated the experience-based program in AWEEC, showed the beautiful, valuable or tragic scene of the Anzali Wetland with accuracy. The Kanoon members of students gained their knowledge and experiences about the wetlands.

Three NGOs GWYES, GWPES and SEI implemented many EE programs including the public open activities under JPA-1. Each NGO had originality of their activity. GWYES and GWPES had tolerance, abundance of knowledge and good relationship with local villager including house wives. On the other hand, SEI had young energy and passion to proceed. As a result of synergy effect among the Kanoon and NGOs, broader EE program became diverse and could cover wide range of the EE activities for Anzali Wetland conservation.

As above mentioned, JPA-3 could achieved proposed goals.

(5) Achievement of JPA-5

Various public relations activities were regularly implemented using mass media and other methodologies as environmental education for public. Logo for Anzali Wetland conservation was prepared and utilized very much for many items about the project activities and various product of PR materials. Many PR materials such as calendars, posters and guidebooks were prepared and distributed. In addition, the commercial films of public open of AWEEC was broadcasted in Baran TV. It was very difficult to measure how much is these achievement through these many PR activities. However, it is obvious that the number of opportunities to see the information about the Anzali Wetland was significantly increased by JPA-5.

(6) The other Achievement: Impact of the Project to the other Wetlands

In the last phase of the project, a field program was held for sharing the experiences of EE activities under the Project for 35 DOE EE officers from DOE HQ and the other provinces including Directors of DOE HQ. DOE EE Officers from the other provinces were very impressed the AWEEC facilities, equipment and programs and some of them expressed to introduce similar experience-based EE facility to their provinces. The impact can be expected based on the project outcome.

In addition, DOE Gilan opened similar facilities such as bird hide, boardwalk and tower in Amirkelayeh Lake in World Wetland Day, 2019 as shown in Figure 3.7-25. These facilities in Amirkelayeh Lake are based on the know-how of AWEEC. That can be identified as an impact of the AWEEC. In addition, similar facilities were/will be constructed in the Bouja National Park, the Estil Wetland in Astara and so on. These are good ripple effects of the AWEEC as well.



Source: IRNA <http://www.irna.ir/gilan/fa/News/83210177>

Figure 3.7-25 Constructed Boardwalk, Bird Hides and Tower in Amirkelayeh Lake (RamsarSite)

Furthermore, Dr. Dehdar, a professor of Lahijan University, started its original project of Development of Eynak Lagoon EE center which lent a part of Kushyar Gilani Center of the Observatory of Rasht City, where is located in the west of Rasht City. According to him, he was inspired by AWEEC and his facilities such as signboards referred the AWEEC. He was very cooperative for the project and the theater in the Eynak Lagoon EE center could be used for some events of the Project.



Source: JICA Expert Team

Figure 3.7-26 Eynak Lagoon Environmental Education Center in Rasht City

3.7.6. Recommendations

Recommendations including detailed implementation plans of EE are described in the Mid-term Plan for the Anzali Wetland Conservation 2020-2030.

Through the experiences of the five years project, relevant organizations such as DOE Gilan, EO, Kanoon and NGOs are recommended to proceed continually environmental education program, especially experience-based EE activities in the AWEEC, AWNS, and Anzali Wetland Visitor Center based on proposed Mid-term Plan. For implement these activities smoothly, it is desirable to understand and eliminate the following issues;

(1) Change Mind of People Including Decision Makers

Many people including decision makers often said that EE is not important because EE is indirect activities to restore or conserve the wetland. It is not correct idea. Issues of wetland cannot be solved instantly even by direct restoration activity. Wetland management and conservation needs a long-time effort through several generations. Thus, the people including decision makers need to change their mind to that CEPA including EE for next generation is one of the most important activity for the wetland conservation.

(2) Budget Allocation for AWEEC

EE activities strongly requires continuous budget allocation such as maintenance cost of the AWEEC, transportation cost to the AWEEC for student EE program, payment of overhead expenses to three NGOs. However, currently, Gilan Province did not arrange any budget for the EE program for Wetland conservation. For ongoing EE activities, AWMC and other related authorities should discuss and continue budget allocation should be done.

(3) Further Cooperation between DOE and EO

DOE and EO did cooperate for JPAs in the project under EE SC. However, cooperation between them was not enough. Further cooperation is needed for enhancement of EE activities. DOE is responsible organization to manage and conserve the Anzali Wetland and it has many experiences, information and experts for it. EO has responsibility to educate many school students about many subjects including EE including curriculum "Human and Environment". Further cooperation and synergy effect between DOE and EO are expected for effective promotion of EE for Anzali Wetland conservation.

Sharing the facilities such as venue of EE and equipment between DOE and EO should be promoted. DOE experts should be dispatched as instructor for EE program for students and teachers. Detailed joint implementation plan of EE between EO and DOE should be determined and implemented to promote and accelerate the EE activities.

(4) Cooperation with the other NGOs to Expand EE Activities

1) Public Open of AWEEC

At the beginning of the project, SC called all of NGOs, which registered to DOE, to submit proposal of EE activities, under the Project. 3 NGOs of them, GWYES, GWEPS and SEI, were selected as members of EE Sub Committer. Three NGOs were very active and contributed the JPAs. Three NGOs are supporting the Public Open activities in AWEEC regularly. They have been very cooperative to DOE Gilan and have given good impression to the visitors with proper correspondence. As mentioned above, the nature guides of these NGOs have already trained by

JET and passed the examination. About the activity, MM or agreement about the cooperation between DOE Gilan and NGOs should to be signed as soon as possible.

If new members of the three NGOs and members of new NGOs want to join the Public Open activity as nature guide, the candidates of nature guides should be trained by licensed nature guide and should be passed the examination as the previous procedure.

2) Expansion of EE Activity

Cooperation with the other new NGOs is necessary in addition to selected three NGOs to expand the broader EE activities. Regarding a selection of new NGOs, EE SC should be fair and careful.

DOE and EO have strong power compare with NGOs. Thus, regarding all of cooperation with NGOs, DOE and EO should make clear the responsibility and demarcation of activities and make MM or agreement document should have signed each other.

(5) Capacity Development of Environmental Education Experts

From the March of 2019, DOE Gilan assigned Mr. Taghipour as a first manager of AWEEC for management and regular implementation of experience-based education program. It was very effective for the continuous implementation of the EE activity. His ability was highly appreciated. In addition to him, the other DOE EE expert joined regularly the EE programs. However, they are not enough due to increasing number of students. Therefore, it was necessary to limit the number of the EE program during 2018-2019 despite many schools waited the EE program. Under such situation, it is difficult to receive all of waiting school students. As solution, all EE experts in EE section of DOE Gilan should learn how to facilitate the experience-based EE program in AWEEC in order to support to implement the programs for increased students.

(6) Focusing on Local Student and People

Many students and people live in villages around the Anzali Wetland. They may affect directly the ecosystem of wetland by their daily life due to lack of knowledge. Thus, it is better to focus on local student and people to be educated. AWEEC is located in Hende Khaleh Village and near the Sofiandeh Village. AWEEC should have good relationship with these villages to promote community-based EE activity. The AWNS should have good relationship with the Behshte Island as well.

(7) Development of Experience Education Program for the other Facilities in Wetland in Gilan Province

JET did not survey the facilities such as bird hides, boardwalk, tower of Amirkelayeh Lake and the other wetland. Thus, according to limited information, the photos of them look to promote the ordinal tourism (not ecotourism). The facilities as hardware looks very good. However, the development and operation of experienced EE programs and management of protected area as

software is very important for the balance with protection of wetland ecosystem. Good practice of AWEEC in Selkeh Wildlife Refuge can be a good example to be learned for the other wetlands in Gilan Province. The nature guide of local NGO should be trained for wise use of the wetland.

4. ACTIVITIES OF OUTPUT 3

4.1. Introduction

The purpose of Output 3 is that knowledge and experience are shared domestically and internationally. To achieve the purpose above, the following activities were implemented in the project.

- 1) Publish and promote the activities of the project aiming at the general public for enhancing awareness of protecting wetlands in Gilan and Iran.
- 2) Disseminate knowledge and experiences through seminars, workshop, etc. derived from the activities for sharing with stakeholders of other protected areas in Iran.
- 3) Participate conventions or organize seminars, etc. for sharing lessons learned from the project with other countries.
- 4) Communicate with the Ramsar Secretariat to identify the strategy for lifting the Montreux Record status of Anzali wetland.

4.2. Outline of Activities

The Outline of the activities of Output 3 is shown in the following tables. Public relation activities are described in Chapter 7.1 to publish and promote the activities of the project aiming at the general public for enhancing awareness.

Table 4.2-1 List of the International Events of Output 3

No	Event	Date	Content
1	Ramsar Convention COP12 in Uruguay	3 Jun 2015	Presentations about the project in the side event "Introducing Integrated Management for the Anzali Wetland Conservation with JICA's Technical Cooperation."
2	Convention on Biological Diversity (CBD) COP13 in Mexico	12 Dec 2016	Presentations about the project in the side event "National, Regional & Global Challenges of Biodiversity Conservation in Iran."
3	17th World Lake Conference in Japan	15 to 19 Oct 2018	A Poster was presented in the poster session under the technical Session 6 : Monitoring based on Scientific Knowledge."
4	Ramsar Convention COP13 in UAE	26 Oct 2018	Presentations about the project in the side event "Enrichment of Urban Life through Wetland Conservation."
		27 Oct 2018	Presentations about the project in the side event "Networking of Littoral Wetlands of the Caspian Sea to Conserve Unique Ecosystem through International Transboundary Cooperation."

Source: JICA Expert Team

Table 4.2-2 List of the Domestic Events of Output 3

No	Event	Date	Content
1	DOE HQ Workshop on Introducing the Project	4 Sep 2017	Presentations about overall progress, ongoing and completed activities of comprehensive ecosystem survey and land use management.
2	Joint Seminar and Study Tour between AWEMP2 and CIWP2	26-27 Feb 2019	Presentations about the experiences of CIWP2 and AWEMP2. Study tour to show the field of the AWEMP2.
3	Seminar on Reporting Some Activities under the Project at PBO Gilan	28 Feb 2019	Seminar on reporting some activities of watershed management, sewage management and under the Project
4	Seminar on Reporting Some Activities under the Project at JICA HQ	13 Mar 2019	Seminar on reporting some activities under the Project
5	Workshops held in each SC	-	Many workshops to share the experiences in each SC were held. They were described in Sections 3.2 to 3.7.

Source: JICA Expert Team

4.3. Activities

4.3.1. International Events

(1) Ramsar Convention COP12 in Uruguay 2015

Dr. Masoud Bagherzadeh Karimi from DOE HQ as deputy project director and Mr. Tomoo Aoki, team leader of JET, attended the Ramsar Convention COP12 in Uruguay in early June 2015. In a side event of the COP12, which was co-organized by JICA and Ramsar Convention Secretariat on 3 June 2015, Dr. Karimi made a presentation of “Introducing Integrated Management for the Anzali Wetland Conservation with JICA’s Technical Cooperation.” Also, project newsletters were distributed to the participants of the COP12.



Source: JICA Expert Team

Figure 4.3-1 Joint Side Event in Ramsar COP12

(2) Convention on Biological Diversity (CBD) COP13 in Mexico 2016

“National, Regional & Global Challenges of Biodiversity Conservation in Iran” was held as a side event of the CBD COP13 in Cancun, Mexico on 12 December 2016 to illustrate the role that Iran and neighbouring countries can play for cooperative Biodiversity Conservation in the region and create the basis for the dissemination of the Iranian experience around the region and globe. As a part of the side event program, Mr. Aoki made a presentation on biodiversity conservation activities under the project such as satellite tracking survey of Dalmatian Pelican. Presentation material. In the panel discussion, national and regional importance of biodiversity conservation in Iran and some necessary actions to be taken were spoken from the panellists.



Source: JICA Expert Team

Figure 4.3-2 Side Event in the CBD COP13

Table 4.3-1 Program for the Side Event in the CBD COP13

Program	Speakers
Opening Remarks	Mr. Barmaki, Deputy Director, Division for International Environmental & Energy Affairs, MoFA Ms. Adachi: Director of JICA HQ
Iran's Biodiversity in the global context	Mr. Fazel: President of the ECO Institute of Environmental Science & Technology
Iran's updated NBSAP	Ms. Mehrdadi: International Affairs Advisor of Deputy for Natural Environment & Biodiversity, DoE
Iran's Biodiversity & the necessity of conservation cooperation with neighboring countries	Mr. Mobaraki: Director General of Natural History Museum & Genetic Resources, DoE
Case Study: DoE/JICA Anzali Wetland Project	Mr. Aoki: Project Leader of Anzali Wetland Ecological Management Project, JICA
Biodiversity conservation projects in Iran: strengths & weaknesses	Mr. Radjahi: Persian Wildlife Heritage Foundation
Panel discussion	Dr. Sakaguchi, Mr. Aoki: JICA Mr. Fazel, Mr. Barmaki, Mr. Mobaraki: I. R. Iran Ms Yashiro: UNEP ROAP
Wrap Up & Closing remarks	Mr. Nishimiya

Source: JICA Expert Team

(3) 17th World Lake Conference in Japan 2018

The 17th World Lake Conference (WLC) was held from 15th to 19th October in Tsukuba International Congress Center in Ibaraki prefecture, Japan. The theme of the conference is “Harmonious Coexistence of Human and Lake -Toward Sustainable Ecosystem Service.” About 5,500 people such as governmental staff, scientist, consultant, engineer, and NGO staff, participated in the conference from about 50 countries.

Mr. Watanabe, the JICA Expert, presented “Control of Illegal Hunting by Using Drones in Anzali Wetland in Iran” in the poster session under “Technical Session 6: Monitoring based on Scientific Knowledge.”



Source: JICA Expert Team

Figure 4.3-3 Poster Session in the 17th WLC in Japan

(4) Ramsar Convention COP13 in UAE 2018

The 13th Meeting of the Conference of the Contracting Parties to the Ramsar Convention on Wetlands (COP13) was held at the Festival Arena in Dubai, United Arab Emirates, from 21 to 29 October 2018. The theme for COP13 was “Wetlands for a Sustainable Urban Future.”

JICA HQ hosted a side event “Enrichment of Urban Life through Wetland Conservation” with the Ramsar Secretariat and the Ministry of the Environment Japan (MoEJ) to discuss how to facilitate the wise use of urban and peri-urban wetlands on 26th Oct as shown in Table 4.3-2. Principle for the Planning and Management of Urban and Peri-Urban Wetland. Mr.Aoki, chief advisor of the JET (JET), had a presentation about “The raising awareness on (1) functions of the Anzali wetland (biological and cultural importance) and (2) significance of the river basin approach (e.g. sediment, water treatment, waste management) to remove the wetland from Montreux Record” in the side event.

The other side event “Networking of Littoral Wetlands of the Caspian Sea to Conserve Unique Ecosystem through International Transboundary Cooperation” was conducted by the JET on 27th Oct as shown in Table 4.3-3. Mr.Aoki explained the outline of the Anzali Wetland

Ecological Management Project Phase II. Mr. Watanabe, wetland ecosystem conservation expert of JET, explained the result of satellite tracking survey of migratory birds and urged that networking of littoral wetlands of the Caspian Sea is very important. Also, project newsletters and postcards were distributed to the participants of the COP13.

Table 4.3-2 Program for the Side Event “Enrichment of Urban Life through Wetland Conservation” in the COP13

Item	Presenter
1. Introduction to the Ramsar-JICA-MoEJ joint side event: Key issues to be addressed	Mr. Motohiro Hasegawa, Senior Advisor, JICA
2. Raising awareness on the function of the wetland and significance of river basin approach	Mr. Tomoo Aoki, JICA Chief Advisor, AWEMP2
3. Enhancing ecological functions of the wetland and surrounding areas by promoting Eco-DRR -from the case of MARN-JICA Wetland Project in El Salvador.	Ms. Georgina Mariona, Country Focal Person, Ministry of Environment and Natural Resources (MARN), El Salvador
4. Promoting awareness and enrichment of urban life through wetland ecosystem conservation –CEPA-JICA Biodiversity Project in Papua New Guinea (PNG)	Mr. Koji Asano, JICA Chief Advisor, CEPA-JICA Biodiversity Project in PNG
5. Yatsu-higata Ramsar site’s experiences in collaboration with local stakeholders	Ms. Tomoko Ichikawa, Ministry of the Environment of Japan
6. Panel discussion on how we can enrich urban life through wetland conservation	Chair/Facilitator: JICA Panel members: All speakers and Ms. Maria Rivera, the Ramsar Secretariat

Source: JICA Expert Team

Table 4.3-3 Program for the Side Event “Networking of Littoral Wetlands of the Caspian Sea to Conserve Unique Ecosystem through International Transboundary Cooperation” in the COP13

Contents	Presenter
1. Introduction to the side event: Key issues to be addressed in the side event.	Mr. Tomoo Aoki/ JET
2. Current situation and conservation activity in littoral Ramsar Wetlands in Iran	Dr. Bagherzadeh Karimi, DOE HQ
3. Current situation and conservation activity in littoral wetland By attendant from Azerbaijan, Kazakhstan, Russian Federation, and Turkmenistan	The person in charge of in each country
4. Conservation activities of Anzali Wetland by DOE, Iran in cooperation with Japan International Cooperation Agency (JICA) and necessity of networking for migratory bird conservation	Mr. Hitoshi Watanabe/ JET
Panel discussion on how to cooperate to conserve littoral	All passengers

Source: JICA Expert Team



Source: JICA Expert Team

Figure 4.3-4 Side Event in Ramsar COP13 in UAE

4.3.2. Domestic Events

(1) DOE HQ Workshop on Introducing the Project

A workshop was held in the presence of Dr. Hamid Zohrabi, (Project Director, Deputy Head of Natural Environment and Biodiversity of DOE Headquarter), Dr. Parvin Farshchi (Deputy of Marine Environmental, DOE Headquarter), Dr. Hamid Goshtasb (Director General of Habitat and Environmental Affairs, DOE Headquarter), Dr. Bagherzadeh Karimi, (Deputy head of the Habitat and Environmental Affairs, DOE Headquarter), Dr. Mr. Ghorban Ali Mohammadpour (Director General of DOE Gilan Office), Mr. Hiroyuki Tanaka (Chief Senior Representative of JICA Iran Office), and a number of other DOE experts and NGO at the Pardisan Hall of DOE Headquarter on 4th September, 2017.

Mr. Tomoo Aoki, Chief Advisor of JET, presented a report on the overall progress of the project, and then Mr. Watanabe provided some explanations on some of the ongoing and completed activities in the project which included parts of activities two working groups of wetland conservation and restoration and zoning and land use management. Also, Dr. Naderi, Professor of Gilan University, presented results of the mammal survey as JPA.



Source: JICA Expert Team

Figure 4.3-5 Workshop at DOE HQ

(2) Joint Seminar and Study Tour between AWEMP2 and CIWP2

Joint seminar and exhibition between Anzali Wetland Ecological Management Project Phase II (AWEMP2) and Conservation of Iranian Wetlands Project Phase II (CIWP2) was held to share both experiences on 26th Feb 2019 at the Kadus Hotel in Rasht. 30 CIWP members from 16 provincial DOE, DOE HQ, and Ramsar Regional Center attended. Also, 27 AWEMP2 members from Gilan province participated.

CIWP2 is a UNDP project to enhance the sustainability of Iran's wetland protected areas and conserve its globally-significant biodiversity. It will do so by establishing ecosystem-based wetland management plans and inter-sectoral coordination structures for 15 important Iranian wetlands. The project is granted Japan government.

Also, CIWP2 and AWEMP2 exhibited many panels, posters and published materials of the activities and showed videos in front of the seminar room.

Table 4.3-4 Joint Seminar between AWEMP2 and CIWP2 (1st Day)

Contents	Presenter
1. Opening Remarks	Dr. Bagherzadeh Karimi, Manager of Wetland Ecosystems Office, DOE HQ
2. Purpose of Program	Mr. Aoki, Chief Advisor, JET
3. CIWP Session	
(1) Introduction of applying ecosystem approach in developing wetland's integrated management plans	Mr. Abesht National Project Manager
(2) Sharing CIWP experiences on "Lake Urmia restoration via local community participation in establishment of sustainable agriculture and biodiversity conservation" project	Mrs. Falsafi CIWP Coordinator
(3) Sharing CIWP experiences on installation of wetlands online monitoring stations	Mr. Ahmadi CIWP Coordinator
(4) Sharing CIWP experiences on payment for ecosystem services	Mrs. Falsafi CIWP Coordinator
4. Question and Answer/ Discussion	All participants
5. AWEMP Session	
(1) Introduction of AWEMP	Mr. Aoki Chief Advisor
(2) Challenges on Wetland Ecosystem Management in Anzali Wetland	Mr. Watanabe Wetland Ecosystem Expert
(3) Development of Community-based Ecotourism	Mr. Amooei Ecotourism Coordinator
(4) Experienced-based Environmental Education in Anzali Wetland Environmental Education Center	Mr. Roshani, DOE Gilan
6. Question and Answer/ Discussion	All participants
7. Closing Remarks	

Source: JICA Expert Team



Source: JICA Expert Team

Figure 4.3-6 Joint Seminar with CIWP2

A study tour was implemented on the second day, 27th Feb. At first, participants went to AWEEC in Selkeh Wildlife Refuge. They experienced the experience-based education facilities and equipment. Secondly they went to Anzali Wetland Ecotourism Center in JBK village to study about community-based ecotourism activity.

At last, they went to the waste station and study about village-based waste management activity in the DSS village. There are many good practices and experiences for wetland conservation of both projects.

Table 4.3-5 Joint Study Tour between AWEMP2 and CIWP2 (2nd Day)

	Contents	Instructor
1.	Experience-based Education in Anzali Wetland EE Center ➤ Explanation of equipment, facilities, and programs ➤ Bird Watching Program	DOE Gilan and NGOs, JET
2.	Community-based Ecotourism by villagers in JBK ➤ Craft program ➤ Explanation of Kayak tour	JBK Villagers
3.	Lunch (Local food of JBK) with explanation of cooking program	JBK Villagers
4.	Move to DSS (Dahare Sare Shijan) Village	
5.	Waste Management in Dahare Sare Shijan Village ➤ Waste Collection Station ➤ River net	DSS Villagers

Source: JICA Expert Team



Source: JICA Expert Team

Figure 4.3-7 Study Tour between WEMP2 and CIWP2

(3) Seminar on Reporting Some Activities under the Project at PBO Gilan

Seminar on reporting some activities under the Anzali Wetland Ecological Management Project - Phase II was held on 28th Feb 2019 at PBO Gilan Seminar Room. Around 100 people from relevant organizations attended the seminar.

Mr. Tomoo AOKI, chief advisor of JET (JET) said that the project includes transporting the technology of environmental conservation to the Iranian side as shown in Table 4.3-6. Also, JET exhibited many panels and posters of the activities and showed videos in front of the seminar room.

Table 4.3-6 Seminar on Reporting Some Activities under the Project at PBO Gilan

No.	Contents	Name
1	Opening remarks by chairperson of the seminar	Dr. Keivan Mohammadi Head of PBO Gilan
2.	JICA's Project and Some Clarification on the Anzali Wetland conservation	Mr. Tomoo Aoki Chief Advisor, JET (JET)
3.	Project Activities and Mid-term Plan on Watershed Management	Mr. Hideki Imai Watershed Management Expert, JET
4.	Project Activities and Mid-term Plan on Sewerage Management	Mr. Takeki Kajiura Sewerage Management Expert, JET
5.	Project Activities and Mid-term Plan on Waste Management	Mr. Tomoyuki Hosono Waste Management Expert, JET
6.	Q&A and Closing	Dr. Keivan Mohammadi Head of PBO Gilan

Source: JICA Expert Team



Source: JICA Expert Team

Figure 4.3-8 Seminar on Reporting Some Activities under the Project at PBO Gilan

(4) Seminar on Reporting Some Activities under the Project at JICA HQ

Seminar on reporting some activities under the Anzali Wetland Ecological Management Project - Phase II was held on 13th Mar 2019 at DOE HQ Conference Hall. The seminar was organized by Wetland Ecosystems Office, Natural Environment Division, DOE HQ. This seminar was actually the final seminar of the project. Around 200 people from DOE HQ, MOFA, PBO HQ, FRWO, universities and NGOs were participated. Dr. Zohrabi ,Project Director of the project, Dr. Karimi , Deputy Project Director of the project from Iranian side and Mr.Tanaka, Senior

Representative of JICA Iran Office, Ms.Sadria, Project Formulation Advisor, Mr.Seino, Policy Advisor, Mr. Tomoo Aoki, Chief Advisor of the Project and Mr. Watanabe, Wetland Ecosystem Conservation and Environmental Education Expert of the project from Japan side attended. The program is shown in the following table. Also, JET exhibited many panels and posters of the activities and showed videos in front of the conference hall.

Table 4.3-7 Seminar on Reporting Some Activities under the Project at DOE HQ

No.	Contents	Presenter
1.	Opening remarks by Deputy Project Director	Dr. Masoud Bagherzadeh Karimi Deputy Project Director Director, Wetland Ecosystems Office, Natural Environment Division, DOE
2.	Remarks by JICA Iran Office	JICA Iran Office
3.	JICA's technical cooperation for the Anzali Wetland conservation and the project activities under the project	Mr. Tomoo Aoki Chief Advisor, JET (JET)
4.	Project Activities and Mid-term Plan on Wetland Ecosystem Conservation	Mr. Hitoshi Watanabe Expert on Wetland Ecosystem and Environmental Education, JET
5.	Project Activities and Mid-term Plan on Environmental Education and Public Awareness Raising	ditto
6.	Q&A Session	Chaired by Dr. Zohrabi (Project Director), Dr. Karimi, Mr. Tomoo Aoki and Mr. Hitoshi Watanabe
7.	Exhibition and refreshment	DOE's Seminar Hall

Source: JICA Expert Team



Exhibition at the entrance



Presentation



Question and Answer session

Source: JICA Expert Team

Figure 4.3-9 Seminar on Reporting Some Activities under the Project at DOE HQ

(5) Other Workshops Held in each SC

Many workshops to share the experiences in each SC were held. They were described in Sections 3.2 to 3.7 in detail.

4.3.3. Communication with Ramsar Convention Secretariat

As mentioned in the Mid-term Plan, the evaluation based on the issues related to Montreux Record by JET is followings. After listing the Montreux Record, the situation of the ecosystem such as the Caspian Sea Level Fluctuation trend was changed. Also, many ameliorative and

restoration measures by DOE and Iranian relevant organizations have been implemented in cooperation with JICA. These measures and restorations were not perfect in fact; however, several measures were very effective. Considering the situation of the ecological character based on the Ramsar Site Criteria, the ecological character of the Anzali Wetland can be thought of as a significant situation. Comparing the situation of the other Ramsar Sites in other countries, it can be evaluated that Anzali Wetland is not bad as listed in the Montreux Record. However, it is also the fact that there are many things to be solved in the Mid-term Plan. It is necessary to continue to conserve and restore the Anzali Wetland based on this Mid-term Plan even after removal the Anzali Wetland from the Montreux Record.

Based on the situation mentioned above, DOE HQ has already motivated to remove the Anzali Wetland from the Montreux Record. JET has communicated with the Senior Advisors for Asia-Oceania (Ms. Reiko Iitsuka and former advisor Dr. Lew Young.) mainly in email or discussed in COP13. DOE HQ can start the procedure of the removal from Montreux Record with the Ramsar Convention Secretariat based on the material prepared by JET.

4.4. Achievements

The promotion activities of the wetland conservation and management have been successful, widely sharing the project's experiences and good practices domestically and internationally.

In addition to above-mentioned international events and domestic seminars, the Project utilizes a variety of media for promotion as mentioned in chapter 7.1. The knowledge and experiences gained through the project activities widely disseminated.

Also, the communication with the Ramsar Convention Secretariat has already started about the removal of the Anzali Wetland from the Montreux Record. It has already identified the strategy for lifting the Montreux Record status of Anzali Wetland.

4.5. Recommendations

There are many good experiences of the project to be shared. The Mid-term Plan for Anzali Wetland Conservation 2020 – 2030 was prepared by the project. It includes the many recommendation and experiences of the project. Also, many facilities were constructed by the project such as AWEEC, JBK Ecotourism Center, Anzali Wetland Visitor Center, the waste collection station, etc. Most of them are the first experience in Iran. They can be hubs to share the experiences of the project. It is strongly recommended to utilize these facilities for a study tour to the other provincial officer of relevant organization and NGOs.

DOE HQ should start the procedure of the removal the Anzali Wetland from the Montreux Record with the Ramsar Convention Secretariat based on the material prepared by JET as soon as possible.

5. INPUT TO THE PROJECT

5.1. Inputs by the Japanese Side

5.1.1. Dispatch of the JET

The assignment of JET originally planned was 204.75 Man/Month (M/M) and will be actually accounted for 217.02 M/M (in total of 13 experts working in Iran and 12 experts in Japan). The amount of assignment up to June 2018 is based on the actual assignment and those after July 2018 until May 2019 is based on the planned assignment. As shown in the table below, the experts in various fields necessary to pursue the project activities have been assigned.

Table 5.1-1 Assignment of JET

	Expertise	Total M/M
	Work in Iran	
(1)	Chief adviser/Integrated Wetland Management	30.44
(2)	Deputy Chief Advisor/Wetland conservation and monitoring (1)	16.80
(3)	Watershed Management (1)	20.06
(4)	Watershed Management (2)	14.80
(5)	Waste Management	16.16
(6)	Sewage Management	15.07
(7)	Sewage Management (2)	2.53
(8)	Ecotourism	19.27
(9)	Environmental Education/Wetland Ecosystem/Public Relations	30.73
(10)	(1st year) Project coordinator/Wetland Conservation and monitoring (2) (2nd year -) Wetland Conservation and Monitoring(2)/Environmental Education(2)	18.50
(11)	Procurement and Site Management/Safety Management	7.51
(12)	Fishway Planning	1.00
(13)	Project Coordinator/Land-use Management	13.60
	Sub-total	206.47
	Work in Japan	
(1)	Chief adviser/Integrated Wetland Management	1.05
(2)	Deputy Chief Advisor/Wetland conservation and monitoring (1)	0.60
(3)	Ecotourism	0.75
(4)	Exhibit Planning for Visitor Center	1.55
(5)	Coordinator for Training Program in Japan (1)	2.40
(6)	Coordinator for Training Program in Japan (1-2)	0.70
(7)	Coordinator for Training Program in Japan (2)	1.40
(8)	Coordinator for Training Program in Japan (3-1)	0.10
(9)	Coordinator for Training Program in Japan (3-2)	0.40
(10)	Coordinator for Training Program in Japan (3-3)	0.20
(11)	Coordinator for Training Program in Japan (4)	0.70
(12)	Coordinator for Training Program in Japan (5)	0.70
	Sub-total	10.55
	Grand Total	217.02

Note: Since the above figure was counted in the terminal evaluation in November 2018, the final number might slightly be changed in the end of the project, counting the actual assignment.

Source: JICA Expert Team

5.1.2. Training in Japan

The trainings in Japan were carried out 4 times receiving 38 participants (25.50 M/M in total). The training was conducted with the aims of understanding activities and exercise on wetland conservation with collaboration of various stakeholders in Japan and gaining better understanding on the measures for wetland ecological management, watershed management, sewage management, waste management, ecotourism, and environmental education, which are required for the wetland conservation.

Table 5.1-2 Training in Japan

Year	Main Participant	No. of participants	Day	M/M
2014	DOE Gilan, NRWGO, GRWC, GWWC, Gilan WMO, GCHHTO, and EO Gilan	12	19	7.60
2015	Provincial Governor's Office, DOE HQs, DOE Gilan, GRWC, RWWC, MO, and EO Gilan	12	22	8.80
2016	Gilan Judiciary, Gilan Provincial Governor's Office, DOE HQs, PBO, DOE Gilan, Rasht City and EO Gilan	7	15	3.50
2017	DOE HQs, PBO Gilan, DOE Gilan, DOE Anzali, NRWGO Gilan, sand Gilan Provincial Governor's Office	7	24	5.60
Total		38	80	25.50

Source: JICA Expert Team

5.1.3. Procurement of Equipment

Through the project period, some equipment were procured and utilised for the project activities. In the end of the project, some equipment have been handed over to the counterpart organizations to continuously and effectively used after completion of the project. Lists of the equipment handed over are shown in the following tables. Among the equipment handed over, which are supposed to be utilized for specific purposes for conservation of the Anzali Wetland, the minutes of the meetings (MM) have been agreed between/among counterpart organization(s) and JICA Expert Team as shown in Attachment 5.1-1.

Table 5.1-3 List of Project Office Equipment and Water Level Measurement Gauges, handed-over to DOE Gilan

No	Item	Quantity
1	Projector	2
2	Desktop PC with LCD monitor, keyboard, and mouse	6 sets
3	Desktop PC with LCD monitor, keyboard, and mouse	1
4	Laptop PC	1
5	Multi-function copier (1)	1
6	Multi- function copier (2)	1

No	Item	Quantity
7	Multi- function copier (3)	2
8	LCD Display	1
9	LCD Display	3
10	Digital Video Camera (1)	1
11	Digital Video Camera (2)	1
12	Water Level gauge	4
13	Giga Pixel Panoramic Camera Mount	1 set
14	Tripod	1
15	Satellite Image	1 set
16	Camera Trap	1
17	Camera Trap	10
18	Box for camera trap	10
19	Roof for camera trap	9
20	Lock for camera trap	9
21	Belt for camera trap	18
22	USB cable for camera trap	14
23	Digital camera	4
24	Stabilizer for printer	1
25	Projector screen	1

Source: JICA Expert Team

Table 5.1-4 List of Equipment for Anzali Wetland Visitor Center, handed-over to Anzali City Hall

No.	Item	Quantity
1	Desktop PC with LCD monitor, keyboard, and mouse	1 set
2	Laptop PC	1
3	Multi-copier	1
4	LCD display	4
5	Telescope	2
6	Tripod	2
7	Digital camera	1
8	Wireless speaker	2
9	Transmission system for the wireless speaker	1
10	Microwave	1

Source: JICA Expert Team

Table 5.1-5 List of Equipment for Community-Based Ecotourism Activity, handed-over to Jirsar Bagherkhaleh Village

No.	Item	Quantity
1	Guide ropes	4
2	Guide belts	4
3	Dry bags	5
4	Kayaks	12
5	Kayak trailer	1
6	Kayak platform	2
7	Kayak carbon paddles	20
8	Shelf for kayak	1

No.	Item	Quantity
9	Folding chair	16
10	Life jacket	20
11	Whistle	20
12	Water proof camera (RICOH WG-40 with SD card (Kodak 32GB))	3
13	Binocular (Kowa Prominar TSN-663M)	10
14	Telescope (DAIWA VT551)	1
15	Tripod	1
16	Refrigerator	1
17	Gas cooking stove	1
18	Oven	1
19	Freezer	1
20	Book about birds in Iran	3
21	Cabinet	4
22	Wooden chair	8
23	Wooden table	2
24	Shoe box	1
25	Plastic table	8
26	Plastic chair	32
27	Gas heater	2
28	Electronic fan	1
29	Rechargeable emergency light	2
30	Vegetable crasher	1
31	Meat grinder	1
32	Blender	1
33	Fishing rod	10
34	Speaker	2
35	Cabinet	1
36	Electric saw	1
37	Tabletop electric saw	1
38	Electric driver (small)	1
39	Electric driver (large)	1
40	Electric grinder	1
41	DIY tool set (consumption goods)	1
42	Dram code	1
43	TV and TV stand	1
44	Ladder (6 steps)	1
45	External light and extension cord	2

Source: JICA Expert Team

Table 5.1-6 List of Equipment for Anzali Wetland Environmental Education Center, handed-over to DOE Gilan

No.	Items	Quantity
1	Binocular	38
2	Telescope with tripod	3
3	Microscope	5
4	TV monitor	1
5	Hydro Glass	2
6	Air Conditioner	1
7	Chair	20
8	Cabinet	2
9	Laminator	1
10	Refrigerator	1

11	Kitchen Stove	1
12	Laptop PC	1
13	Fire extinguisher	1

Source: JICA Expert Team

Table 5.1-7 List of Equipment for DOE Guard Stations, handed-over to DOE Gilan

No	Item	Quantity
1	Handy GPS Receiver	5
2	Binocular	10
3	Telescope	5
4	Tripod	5
5	Digital Camera	5
6	Multicopter	3 sets
7	Tablet	3
8	Carrying case	3
9	Landing pad	3
10	Monitor hood	3
11	Additional battery	5
12	Propeller Guard	3
13	Charging Hub	3
14	LCD Display	2
15	Laptop	2
16	Differential GPS receiver and pole	1 set

Source: JICA Expert Team

Table 5.1-8 List of Equipment for Anzali Wetland Nature School, handed-over to Student Association

No.	Name of Equipment	Quantity
1	Binocular	50
2	Telescope	5
3	Microscope	10
4	TV monitor	1
5	Chair	70
6	Cabinet	1
7	The other materials (Books, Posters Craft, etc)	-

Source: JICA Expert Team

5.1.4. Operational Expenses borne by the Japanese Side

Approximate actual expenses for the Joint Pilot Activities (JPAs) under the JICA's budget is shown in the following table. Though some of the JPAs were delayed and have not been implemented due to difficulties and limitations with different reasons, it can be concluded that the JICA's budget has been disbursed and spent smoothly and effectively throughout the project period.

Table 5.1-9 Approximate Actual Expenses for the Joint Pilot Activities under the JICA's Budget

(Unit: US Dollars)

Name of JPA	1st Year	2nd Year	3rd Year	4th Year	5th Year	Total
1. Wetland Ecosystem Conservation SC						
(1) Comprehensive ecosystem survey	49,909	43,636	20,495	10,973	10,253	135,266
(2) Wetland conservation and restoration activity	0	6,364	359	1,409	36	8,168
(3) Monitoring of water and sediment qualities in the Anzali Wetland and its watershed	3,636	0	4,847	11,809	6,436	26,729
(4) Monitoring of natural environment in the Anzali Wetland	4,545	0	128	0	0	4,673
(5) Environmental zoning and land use management	72,487	47,273	6,473	65,673	4,418	196,324
Sub-total	130,578	97,273	32,302	89,864	21,144	371,160
2. Watershed Management SC						
(1) Integrated Planning Survey for Preparation of Countermeasures to Control the Sediment flow into Wetland	213,927	74,048	0	0	0	287,975
(2) Installation of water level measurement equipment	0	0	6	0	0	6
(3) Construction work for mountainous erosion control at Alenze Sub-Basin of Masal River Basin	0	0	0	138,679	0	138,679
(4) Monitoring and study on the effects of constructed structure	0	0	0	7,909	4,573	12,482
Sub-total	213,927	74,048	6	146,588	4,573	439,142
3. Sewage Management SC						
(1) Construction work of the vacuum sewage collection system in Koliver Area of Anzali City	0	0	62,328	0	60,000	122,328
(2) Development and operation of the on-site sewage treatment system in Mobarak Abad Village	0	18,078	0	0	0	18,078
Sub-total	0	18,078	62,328	0	60,000	140,406
4. Waste Management SC						
(1) Efficient collection of recyclable waste and promotion of compost	909	909	40,760	1,891	2,082	46,551
(2) Monitoring waste discharged in river	0	0	0	0	0	0
(3) Introduction of waste bring back system in the Anzali Wetland	0	0	1,414	9,191	582	11,187
Sub-total	909	909	42,173	11,082	2,664	57,737
5. Ecotourism SC						
(1) Development of ecotourism product in Jirsar Bagherkhaleh Village	20,000	21,818	23,466	27,164	445	92,894
(2) Development of Ecotourism Center in Jirsar Bagherkhaleh Village	0	0	40,550	28,745	2,173	71,468
(3) Development of Anzali Wetland Visitor Center	0	0	10,976	24,427	357,623	393,027
Sub-total	20,000	21,818	74,992	80,336	360,242	557,388
6. Environmental Education SC						
(1) Improvement of the Anzali Wetland EE Center	8,182	9,091	18,156	37,573	8,445	81,447
(2) Preparation and implementation of EE curriculum for school class and implementation with teachers' training program	11,818	12,727	14,493	23,545	35,773	98,356
(3) Implementation of broader EE program	0	0	3,400	5,873	373	9,646
(4) Public relations activities	0	0	3,364	0	16,309	19,673
Sub-total	20,000	21,818	39,413	66,991	60,900	209,122
Total	385,414	233,944	251,215	394,860	509,522	1,774,955

Note: The following exchange rates were applied for the above table; USD 1 = JPY 110 = IRR 42,000

Source: JICA Expert Team

5.2. Inputs by the Iranian Side

5.2.1. Counterpart Personnel

Counterpart personnel of the Project were assigned as follows and worked together with the JICA Expert Team.

Table 5.2-1 Main Structure of the Iranian Counterpart for the Project

Position in the Project	Position and Organization
Project Director:	Deputy Head of Natural Environment, DOE HQs
Deputy Project Director:	Director Manager, Wetland Ecosystems Bureau, DOE HQs
Project Manager:	General Director of DOE Gilan
Anzali Wetland Management Committee (AWMC)	Representatives from relevant organizations
Technical Sub-committee (SC) under the AWMC	Assigned members from SC's member institutions

Source: JICA Expert Team

Table 5.2-2 SCs and Member Organizations

Sub-committee	Member Institutions
Wetland Ecosystem Conservation SC	<u>DOE Gilan</u> MOJA Gilan Shilat (Fishery Organization) National Inland Water and Aquaculture Institute (NIWAI) Port and Maritime Organization (PMO) Gilan Water and Wastewater Company (GWWC) Rural Water and Wastewater Company (RWWC) Natural Resources and Watershed Management Office (NRWGO) Housing Foundation Documents and Property Registry Office Road and Urban Planning Organization Gilan Cultural Heritage, Handicraft, and Tourism (GCHHTO) Municipalities Ab-bandan Owner Union Scientists related to wetland ecosystem NGOs
Watershed Management SC	DOE Gilan <u>NRWGO</u> Gilan Regional Water Company (GRWC) MOJA Gilan Metrological Organization (MO) Geology Center of Gilan
Sewage Management SC	DOE Gilan <u>GWWC</u> RWWC
Waste Management SC	DOE Gilan <u>Gilan WMO</u> Rural Affair Office (RAO)

Sub-committee	Member Institutions
Ecotourism SC	<u>DOE Gilan</u> GCHHTO
Environmental Education SC	<u>DOE Gilan</u> Educational Organization (EO) Kanoon (Institute for the Intellectual Development of Children and Young Adults) NGOs

Note: The organization underlined is responsible for the respective SCs.

Source: JICA Expert Team

5.2.2. Office space for JICA Expert Team

- The office space for JET and national staff was provided in DOE Gilan in Rasht City. The utilities cost is borne by Iranian counterparts.
- Although NRWGO and GWWC offered the office spaces for SC activities at their respective offices, these spaces could not be utilized due to difficulties in coordination among relevant organizations.

5.2.3. Operational Expenses borne by the Iranian Side

The Iranian side has provided USD 177,690 for Joint Pilot Activities (JPAs) from the beginning of the project term to June 2017. The budget for JPAs was also disbursed through sectorial ministries (other than that from the provincial budget) and the actual amount allocated by Iranian side will be much larger). However, the specific amount is not be available.

6. PROJECT MANAGEMENT ACTIVITIES

6.1. Joint Coordination Committee Meetings

(1) 1st Meeting of the Joint Coordinating Committee

The first meeting of the JCC was held on May 15 2014 in the meeting room of the Gilan Provincial Governor's office, attended by the Provincial Governor, representative of central DOE, General Director of the DOE Gilan, chief representative of JICA Iran office and representatives of main relevant organizations in Gilan Province. In the meeting, JICA Expert Team explained the outline of the project, which is a summary of the Inception Report, and received comments from the participants. At the end of the meeting, the minutes of the meeting (MM) were signed by the Provincial Governor, representative of central DOE, General Director of the DOE Gilan, JICA Iran Office, and JICA Expert Team.

(2) Joint meeting of the AWMC and JCC on 8 March, 2015

Joint meeting of the Anzali Wetland Management Committee (AWMC) and Joint Coordination Committee (JCC) for the project was held on March 8, 2015. Due to lack of the coordination by DOE Gilan, chairpersons for both JCC and AWMC, project manager and their deputies did not attend the meeting. In the meeting, progress of the project activities were presented by representatives of six SCs. Agenda of the meeting is shown in the following table. The draft minutes of the meeting for the meeting and presentation material are shown in Attachment-1.

Table 6.1-1 Agenda of the Joint Meeting of the AWMC and JCC on 8 March, 2015

No.	Program	Name
1.	Koran and national anthem	-
2.	Opening remarks and explanation on agenda	Mr. Mahmoud Farajpour Secretary of Research Council and Expert of Legal Dept, Guilan Provincial Directorates, DOE,.
3.	Outline of the project activities in the 1st year of the project.	Mr. Hossein Shokri Technical Deputy, DOE Gilan
4.	Presentation on draft action plan and proposed Joint Pilot Activities (JPAs) by SC	
(1)	Wetland Ecosystem Conservation SC	Mr. Fallah Firouzikouhi Seyed Farshid Expert of Monitoring , Maritime Environment, DOE Gilan
(2)	Watershed Management SC	Mr. Bagherzadeh Asan Director, Environment and Water Quality Section, GRWC
(3)	Sewage Management SC	Mr. Lotfi, General Director, GWWC Mr. Mohammadali Fareamini, General Director, RWWC
(4)	Waste Management SC	Mr. Abdol Azim Ahadifar Human Environment, DOE Gilan
(5)	Ecotourism SC	Mr. Farzad Rashidi Specialist in charge of Monitoring Gilan Tour Agencies and Tour Guides, GCHHTO
(6)	Environmental Education SC	Mr. Mohammadreza Goli Deputy of Primary Education, Gilan EO
5.	Necessary arrangement and actions for the implementation in further stage of the project	Mr. Tomoo Aoki Chief Advisor, JICA Expert Team (JET)
7.	Remarks by JICA	Mr. Kohei Sato, Chief Representative of JICA Iran Office

Source: JET

(3) Joint meeting of the AWMC and JCC on 20 May, 2015

Since the previous meeting was held inappropriate manner without chairpersons for both JCC and AWMC and project manager, joint meeting of the Anzali Wetland Management Committee (AWMC) and Joint Coordination Committee (JCC) for the project was held on 20 May, 2015, chaired by Dr. Mohammad Ali Najafi, Governor of Gilan Province. In the meeting, action plans and proposed plans of JPAs, which were prepared by six SCs in the 1st year of the project, were approved for their implementation. Agenda of the meeting is shown in the following table. Due to lack of the coordination by DOE and DOE Gilan, the minutes of the meeting has not been signed yet. The draft minutes of the meeting for the meeting and presentation material are shown in Attachment-2.

Table 6.1-2 Agenda of the Joint Meeting of the AWMC and JCC on 20 May, 2015

No.	Program	Name
1.	Koran and national anthem	-
2.	Opening remarks	Mr. Mohammad Reza Borji, Secretary of the AWMC and Project Manager of the JICA Project, Director General, DOE Gilan
3.	Necessary arrangement, actions, and work plan in further stage of the project	Mr. Tomoo Aoki Chief Advisor, JICA Expert Team (JET)
4.	Presentation on draft action plan and proposed Joint Pilot Activities (JPAs) by SC	
(1)	Wetland Ecosystem Conservation SC	Mr. Fallah Firouzikouhi Seyed Farshid Expert of Monitoring , Maritime Environment, DOE Gilan
(2)	Watershed Management SC	Dr. Mohen Yousefpour Deputy of Watershed Management Dept., NRWGO
(3)	Sewage Management SC	Mr. Hadi Neizebaz, Deputy Manager of Engineering & Development Dept, GWWC Mr. Farre Aminy, Managing Director, RWWC
(4)	Waste Management SC	Mr. Abdol Azim Ahadifar Human Environment, DOE Gilan
(5)	Ecotourism SC	Mr. Farzad Rashidi Specialist in charge of Monitoring Gilan Tour Agencies and Tour Guides, GCHHTO
(6)	Environmental Education SC	Mr. Nourolah Akbari Executive Advisor of Director General, Gilan EO
5.	Questions and comments from the participants, and conclusion	(chairperson): Mr. Mohammad Reza Borji
6.	Remarks by JICA	Mr. Kohei Sato Chief Representative of JICA Iran Office
7.	Remarks by chairperson of JCC	Dr. Hamid Gashtasb Director General of Habitats and protected Area, DOE
8.	Remarks by chairperson of AWMC	Dr. Mohammad Ali Najafi Governor of Gilan Province
9.	Signing ceremony for the M/M of the meeting	(postponed)

Source: JET

(4) 4th JCC Meeting on 6 June, 2016

Fourth Joint Coordination Committee (JCC) meeting for the project was held on 6 June, 2016. In addition to report the project progress in the end of the 2nd year of the project, results of the Mid-term Review of the Project were presented by the JICA Mid-term Review Team. Agenda

of the meeting is shown in the following table. The minutes of the meeting for the meeting and presentation material are shown in Attachment-2.1-1.

Table 6.1-3 Agenda of the 4th JCC Meeting on 6 June, 2016

No.	Program	Name
1.	Koran and national anthem	-
2.	Opening remarks	Mr. Ghorban Ali Mohammadpour Project Manager of the JICA Project and Secretary of the AWMC Director General, DOE Gilan
3.	Progress of the Project in the 2nd Year	Mr. Tomoo Aoki Chief Advisor, JICA Expert Team (JET)
4.	Results of the Mid-term Review	Mr. Akihiro Mochizuki Evaluation and Analysis, the Mid-term Review Team Senior Consultant, ICONS Inc.
5.	Recommendations in the Mid-term Review	Ms. Kanako Adachi Team Leader, the Mid-term Review Team
6.	Wetland Conservation and Management in Japan	Dr. Noriaki Sakaguchi Nature Conservation, the Mid-term Review Team Senior Advisor for Nature Conservation, JICA
7.	Questions and comments from the participants, and conclusion	(chairperson): Dr. Hamid Gashtasb Director General of Habitats and Protected Area, DOE
8.	Remarks by JICA	Mr. Kohei Sato Chief Representative of JICA Iran Office
9.	Remarks by chairperson of JCC	Dr. Hamid Gashtasb Director General of Habitats and Protected Area, DOE
10.	Remarks by provincial governor	Dr. Mohammad Ali Najafi Governor of Gilan Province
11.	Signing ceremony for the M/M of the meeting	(Signers) Dr. Mohammad Ali Najafi, Dr. Hamid Gashtasb, Mr. Ghorban Ali Mohammadpour, Mr. Tomoo Aoki, and Mr. Kohei Sato (as witness)

Note: Due to time limitation, the presentation of Mr. Sakaguchi was cancelled in the meeting. In addition, the signing ceremony for the M/M was not held due to lack of the prior arrangement. Therefore, the M/M was signed by signers after the meeting.

Source: JICA Expert Team

(5) Fifth JCC Meeting on 7 December, 2016

Since the JCC meeting in the beginning of the 3rd year of the project has not been held due to several reasons such as availability of main participants, fifth JCC meeting was held on 7 December 2016 to confirm the work plan of the project activities for the 3rd year of the project and report the latest progress of the project activities. The minutes of the meeting for the meeting and presentation material are shown in Attachment-2.1-2.

Table 6.1-4 Agenda of the 5th JCC Meeting on 7 December, 2016

No.	Program	Name
1.	Koran and national anthem	-
2.	Opening remarks	Mr. Ghorban Ali Mohammadpour Project Manager of the JICA Project and Secretary of the AWMC, Director General, DOE Gilan
3.	Work Plan in the 3rd Year and Progress of the JPAs for Wetland Ecosystem Conservation SC	Mr. Farshid Fallah Representative of the WEC SC
4.	Work Plan in the 3rd Year and Progress of the JPAs for Watershed Management SC	Mr. Keivan Asadi Representative of the WSM SC
5.	Work Plan in the 3rd Year and Progress of the JPAs for Sewage Management SC	Mr. Farshid Fallah Representative of the SGM SC
6.	Work Plan in the 3rd Year and Progress of the JPAs for Waste Management SC	Mr. Azim Ahadifar Representative of the WTM SC
7.	Work Plan in the 3rd Year and Progress of the JPAs for Ecotourism SC	Mr. Shahin Javadi Representative of the ECT SC
8.	Work Plan in the 3rd Year and Progress of the JPAs for Environmental Education SC	Mr. Amir Ghezel Hosseini Representative of the EE SC
9.	Revision of the Project Design Matrix based on JICA Mid-term Review and Preparation of Mid-term Plan for the Anzali Wetland conservation	Mr. Tomoo Aoki Chief Advisor, JICA Expert Team (JET)
10.	Questions and comments	(chairperson): Dr. Masoud Bagherzadeh Karimi Deputy Director General of Habitats and Protected Areas, DOE
11.	Remarks by deputy provincial governor	Mr. Hojat Shabanpoor Deputy Governor for Development of Gilan Province
12.	Remarks and conclusion by chairperson of JCC	(chairperson): Dr. Masoud Bagherzadeh Karimi Deputy Director General of Habitats and Protected Area, DOE
13.	Signing ceremony for the M/M of the meeting	(Signers) Mr. Hojat Shabanpoor, Dr. Masoud Bagherzadeh Karimi, Mr. Ghorban Ali Mohammadpour, and Mr. Tomoo Aoki

Source: JICA Expert Team

(6) Sixth JCC Meeting on 1 June, 2017

Sixth JCC meeting was held on 1 June, 2017. JCC members confirmed that the project progress in the end of the 3rd year of the project and plan of project activities in the 4th year of the project, which were reported by representatives of all the SCs.

Table 6.1-5 Agenda of the 6th JCC Meeting on 1 June, 2017

No.	Program	Name
1.	Koran and national anthem	-
2.	Opening remarks	Mr. Ghorban Ali Mohammadpour Project Manager of the JICA Project and Secretary of the AWMC Director General, DOE Gilan
3.	Overall progress of the project activities	Mr. Tomoo Aoki Chief Advisor, JICA Expert Team (JET)
4.	Progress of the JPAs for Wetland Ecosystem Conservation SC	Representative of the WEC SC
5.	Progress of the JPAs for Watershed Management SC	Representative of the WSM SC
6.	Progress of the JPAs for Sewage Management SC	Representative of the SM SC (GWWC) Representative of the SM SC (RWWC)
7.	Progress of the JPAs for Waste Management SC	Representative of the WTM SC
8.	Progress of the JPAs for Ecotourism SC	Representative of the ECT SC
9.	Progress of the JPAs for Environmental Education SC	Representative of the EE SC
10.	Questions and comments	(chairperson): Dr. Masoud Bagherzadeh Karimi, Deputy Director General for Wetlands and National Parks, Habitats and Protected Areas Bureau, DOE
11.	Remarks by provincial governor	Dr. Mohammad Ali Najafi Governor of Gilan Province
12.	Remarks by JICA Iran office	Mr. Yukiharu Kobayashi Chief Representative, JICA Iran Office
13.	Remarks and conclusion by chairperson of JCC	(chairperson): Dr. Masoud Bagherzadeh Karimi

Source: JICA Expert Team

(7) 7th JCC Meeting on 8 August 2018

Since the JCC meeting in the end of the 4th year of the project has not been held due to several reasons such as availability of main participants and lack of capacity of DOE Gilan. The JCC should be held in the beginning of the 5th year of the project. Agenda of the meeting is shown in the following table.

Table 6.1-7 Agenda of the 7th JCC Meeting

No.	Program	Name
1.	Koran and national anthem	-
2.	Opening remarks	Dr. Ghorbanali Mohammadpour Director General, DOE Gilan JICA Project Manager Dr. Masoud Bagherzadeh Karimi Chairperson of the JCC Deputy Project Director of the JICA Project Director, Wetland Ecosystems Bureau, Natural Environment Division, Dept. of Environment (DOE)
3.	<ul style="list-style-type: none"> Overall progress of the project activities in 4th year of the project Plan of the project activities in the 5th year of the project 	Mr. Tomoo Aoki Chief Advisor, JICA Expert Team (JET)
4.	Remarks by JICA Iran office	Mr. Yukiharu Kobayashi Chief Representative, JICA Iran Office Governor of Gilan Province
5.	Remarks by provincial governor	Dr. Mostafa Salari Gilan Provincial Governor

Source: JICA Expert Team

(8) 8th JCC Meeting on 2 December 2018

Eighth JCC meeting was held on 2 December, 2018 in the occasion of the terminal evaluation of the project. Agenda of the meeting is shown in the following table.

Table 6.1-8 Agenda of the 8th JCC Meeting

No.	Program	Name
1.	Koran and national anthem	-
2.	Opening remarks	Dr. Ghorbanali Mohammadpour Director General, DOE Gilan Project Manager of the JICA Project
		Dr. Masoud Bagherzadeh Karimi Chairperson of the JCC Deputy Project Director of the JICA Project Director, Wetland Ecosystems Office, Natural Environment Division, Dept. of Environment (DOE)
		Mr. Hiroyuki TANAKA Senior Representative JICA Iran Office
3.	Results of the terminal evaluation of the project	Mr. Shinji Abe Technical Advisor, Natural Environment Team 1, Forestry an Nature Conservation Group, Global Environment Department, JICA Ms. Ayako NAMURA JICA consultant for project evaluation
4.	Recommendations based on results of the terminal evaluation	Mr. Takahiro Morita Senior Deputy Director General, Global Environment Department, JICA
5.	General comments from Iranian team leader of the terminal evaluation	Dr. Masoud Bagherzadeh Karimi
6.	Remarks by JICA team leader of the terminal evaluation	Mr. Takahiro Morita

Source: JICA Expert Team

6.2. Regular Meeting between the Counterpart Personnel and JET

(1) 1st Year of the Project

Regular meetings among the Project Manager, all counterpart personnel from all the SCs, and JET have been held every Tuesday morning at the DOE Gilan office since 3rd June 2014. The main purpose of the meetings is to share information and issues on progress of the project activities among different SC members. So far, 29 meetings have been held as of 24th February 2015.

In addition to the regular meetings, preliminary meetings between DOE counterpart personnel and JET were held on every Sunday morning between 15 June and 30 November 2014, prior to the regular meeting of the week. These meetings have been organized at suggestion of DOE counterpart personnel. The purpose of the meeting was to discuss the project progress and any issues for mutual understanding on the project and smooth implementation of the regular

meeting. As the project activities became more active and concentrated under each SC, the preliminary meeting was terminated on 30th November 2014 after the discussion and mutual consent among the participants.

(2) 2nd Year of the Project

Regular meetings among the Project Manager, all counterpart personnel from all the SCs, and JET have been held every Tuesday morning at the DOE Gilan office since 3rd June 2014. In the 2nd year of the project, though the regular meetings were held at 8 times between March and July, 2015, attendance of the Project Manager have become less gradually. Then, after new DG of the DOE Gilan was appointed and became new project manager in July 2015, though the regular meeting has not been held for a while, the regular meeting re-started from 8 February, 2016 at biweekly basis. However, the meeting has not been held at regularly and only 3 times in total so far (8 Feb, 28 Feb, and 10 May, 2016).

(3) 3rd Year of the Project

Regular meetings among the Project Manager, all counterpart personnel from all the SCs, and JET were supposed to be held once two weeks at the DOE Gilan office. However, the regular meetings were held only three times on 30 Aug. 2016, 21 Nov. 2016, and 1 Feb. 2017 during the 3rd year of the project. While the regular meeting has rarely been held, meetings have been held between relevant counterpart and JET more frequently than before.

(4) 4th Year of the Project

Regular meetings among the Project Manager, all counterpart personnel from all the SCs, and JET were supposed to be held once two weeks at the DOE Gilan office. However, the regular meetings were not during the 4th year of the project. While the regular meeting has rarely been held, meetings have been held between relevant counterpart and JET more frequently than before.

(5) 5th Year of the Project

Same as the 4th year of the project.

7. Other Project Activities

7.1. Public Relations

Public relations activities related to the project were implemented to inform the project purpose and progress for many people, especially local people, students and other stakeholders. JET utilized many medias such as the project website, SNS, exhibition of public screen and panels. Many times, the project activities were published by TV and newspapers. JET has also continued to exhibit the information banners in front of DOE Gilan office building and published newsletters.

7.1.1. Project Website





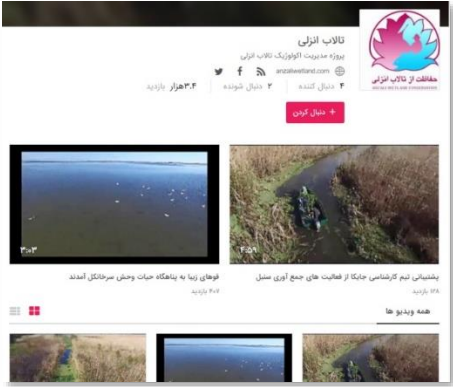
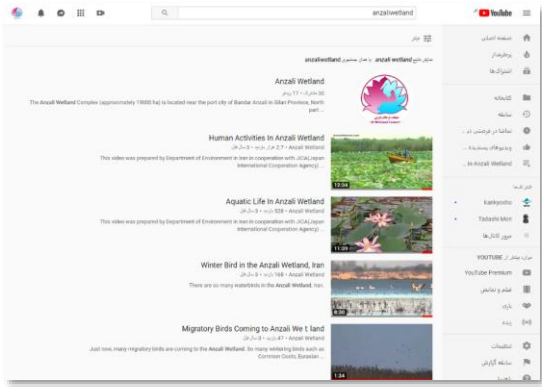
The website for “Anzali Wetland Ecological Management Project - Phase II” (<https://anzaliwetland.com/>), which was opened on 20th May, 2015, is continued to be updated both in Farsi and English. The website provides information on project outline and ecosystem of the Anzali Wetland by uploading 217 articles of news on project activities. These kinds of information are linked with SNS including Facebook, Instagram and Telegram. Also, EE videos prepared in the Phase I Project and videos which were taken by the multi-copter were uploaded to video sharing sites such as YouTube and Apparat. Access number and number of posts in the website, the Facebook and video sharing sites are shown in Table 7.1-1.

Table 7.1-1 Number of Access and Post of Project Website

	Website		Video (From October 2015)	
	Page View	News Post	YouTube (Access Number)	Apparat (Access Number)
Number (20 May 2015 - 8 May 2019)	78,480	217	5,484	7,967

Source: Google Analytics Dashboard ,YouTube, 2018, Apparat as of 9 May, 2019

Table 7.1-2 Project Website and SNS Sites

	
<p>Anzali Wetland Project Website</p>	<p>Project Page in Facebook</p>
	
<p>Telegram (SNS)</p>	<p>Instagram (SNS)</p>
	
<p>Project Page in Apparat</p>	<p>Project Page in YouTube</p>

Source: JICA Expert Team

7.1.2. Publicity Information Banner on the Project

JET has been maintaining the project's publicity information banner in the premise of DOE Gilan office from 2014 with the latest topics of the project in timely manner as shown in the following table. In total, 22 kinds of banners have been displayed as shown in the following table.

Table 7.1-3 Summary of Publicity Information Banner on the Project

Photo	Date	No	Photo	Date	No	Photo	Date	No
	21 Aug 2017	17		28 Oct 2015	9		May 2014	1
	21 Nov 2017	18		16 Dec 2015	10		Jul 2014	2
	9 Mar 2018	19		20 Mar 2016	11		Oct 2014	3
	Sep 2018	20		20 Apr 2016	12		Dec 2014	4
	Mar 2019	21		17 Sep 2016	13		Feb 2015	5
	Apr 2019	22		19 Nov 2016	14		21 Jun 2015	6
-	-	-		09 Mar 2017	15		15 Jul 2015	7
-	-	-		21 Mar 2017	16		23 Aug 2015	8

Source: JICA Expert Team

7.1.3. Issue of the Project Newsletter

In order to publicize updated information on the project activities, JET published the project newsletters No. 1 to No. 10 and distributed to the project stakeholders and public peoples. The newsletters are summarized in the following table. Newsletters No. 10 will be prepared by the end of the project.

Table 7.1-4 Summary of the Newsletters

No.	Month Issued	Number of Issues	Contents	Photo
1	Jul 2014	1,000 copies (12 pages) (bilingual)	<ul style="list-style-type: none"> Message from the Project, outline of the Project, project members, project activities, etc. 	
2	Feb 2015	1,000 copies (12 pages) (bilingual)	<ul style="list-style-type: none"> Training in Japan Logo and photo competitions Summary of project activities 	
3	Aug 2015	1,300 copies (12 pages) (bilingual)	<ul style="list-style-type: none"> Introduction of the Project for COP12. 	
4	Mar 2016	1,000 copies (12 pages) (bilingual)	<ul style="list-style-type: none"> Training in Japan Outline of the Progress of the project Topics (Ramsar Convention COP12, migrated birds, invasion of water hyacinth, and website) 	
5	Jun 2016	1,000 copies (12 pages) (bilingual)	<ul style="list-style-type: none"> Outline of the Progress of the project Topics 	
6	Dec 2016	300 copies (English) 1,000 copies (Farsi) (16 pages)	<ul style="list-style-type: none"> Introduction of the Project for Convention on Biodiversity COP13 Introduction of the Anzali Wetland Joint Pilot Activities How the Anzali Wetland supports achievement of Aichi target 	
7	Jul 2017	1,500 copies (24 pages) (Farsi)	<ul style="list-style-type: none"> Do you know about the Anzali Wetland? Outline of the Project Joint Pilot Activities Partnership with Kushiro Wetland of Japan 	
8	Oct 2018	200 copies (24 pages) (English)	<ul style="list-style-type: none"> Introduction of the Project for Ramsar Convention COP13 How the AW supports achievement of SDGs Do you know about the Anzali Wetland? Outline of the Project Joint Pilot Activities Partnership with Kushiro Wetland of Japan 	
9	Mar 2019	500 copies (24 pages) (Farsi)	<ul style="list-style-type: none"> How the Anzali Wetland supports achievement of SDGs Do you know about the Anzali Wetland? Outline of the Project Joint Pilot Activities Partnership with Kushiro Wetland of Japan 	
10	May 2019	10,000 copies (28 pages) (Farsi)	<ul style="list-style-type: none"> How the Anzali Wetland supports achievement of SDGs Explanation of the Anzali Wetland Outline of the Project Joint Pilot Activities Introduction of CEPA facilities Partnership with Kushiro Wetland of Japan 	

(under printing)

Source: JICA Expert Team

7.1.4. Public Screen and Public Exhibition in DOE office

Short videos and slide shows of Anzali Wetland and project activities are continued to be updated and shown through the public screen, which were installed in the entrance hall of DOE Gilan office by JET from 21 November 2015. Panels and posters which shows the project activities are also exhibited in front of JET office.



Source: JICA Expert Team

Figure 7.1-1 Public Screen and Public Exhibition

7.1.5. Distribution of PR Goods

In terms of public relations specifically to students, PR goods were prepared by JET and distributed as follows.

Table 7.1-5 Number of Distribution of PR Goods

No.	Item	Number of Production number of goods (After 2nd Progress Report)	Event Type	Photo
1	Eco Bag	1,000	Environmental Education Event	
2	Logo Cap	1,500	Ditto	
3	Pen with Slogan	5,000	All events related to the Project	

Source: JICA Expert Team

7.1.6. TV Program

Project Activities have been introduced in Video news and TV program as follows.

Mr. Aoki, chief adviser of the JET of Anzali Wetland Ecological Management Project- phase II, appeared in a variety program “Mahtab Shaban” in Baran TV on 6th Mar 2017. Project outline was introduced in talks with program host Mr. Mohammad Reza Mohebi and Mr.Nazokbin the Puppet. The program was about 30 minutes.



Source: JICA Expert Team

Figure 7.1-2 Project Introduction in TV program “Mahtab Shaban on 6th Mar 2017

Table 7.1-6 Video News Introducing the Project Activity

No.	Date	TV Station	Introduced Activity
1	19 Sep 2017	Baran TV	Completion ceremony of erosion control structure construction
2	End of Jan 2018	Baran TV	Introduction of Waste collection station in DSS
3	6 Feb 2018	IRNA website	Internet student conference between Anzali and Kushiro wetland
4	6 Feb 2018	Seyedshamsoddin	WWD Event by Kanoon
5	12 Feb 2018	Channel 1	Introduction of Waste collection station in DSS

Source: JICA Expert Team

7.1.7. Newspapers

From 2015 to 2018, the forty-six (46) articles of project activities appear in the Farsi and English newspapers.

Medias in Fars are : ISNA, Jam-e-jam, Marine Times, GI Negah, Shoa Mashregh, Jamhoori Eslami, Mehr News Agency, Zist News Agency, Mana, Pena NN, Ghatreh, Salamt NN, Iran Online, Behdasht News, Tsenim News Agency of Rasht, Young Journalist Club, Farda News Agency, IRNA and Baran NN.

Medias in English are Financial Tribune and Tehran Times.

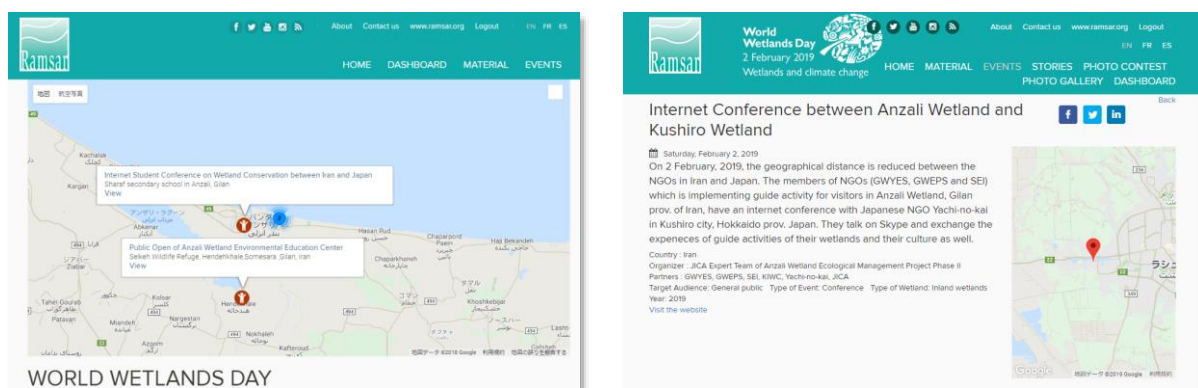
Table 7.1-7 The Number of Articles on Newspapers

Year	Farsi	English	Total
2014	5	1	6
2015	8	0	8
2016	12	4	16
2017	9	3	12
2018	4	0	4
Total	38	8	46

Source: JICA Expert Team

7.1.8. Ramsar World Wetland Day Website

Totally nine environmental education programs for the World Wetland Day (WWD) of 2017,2018 and 2019 were registered and published on the official WWD website of Ramsar Convention as shown in the following figure.

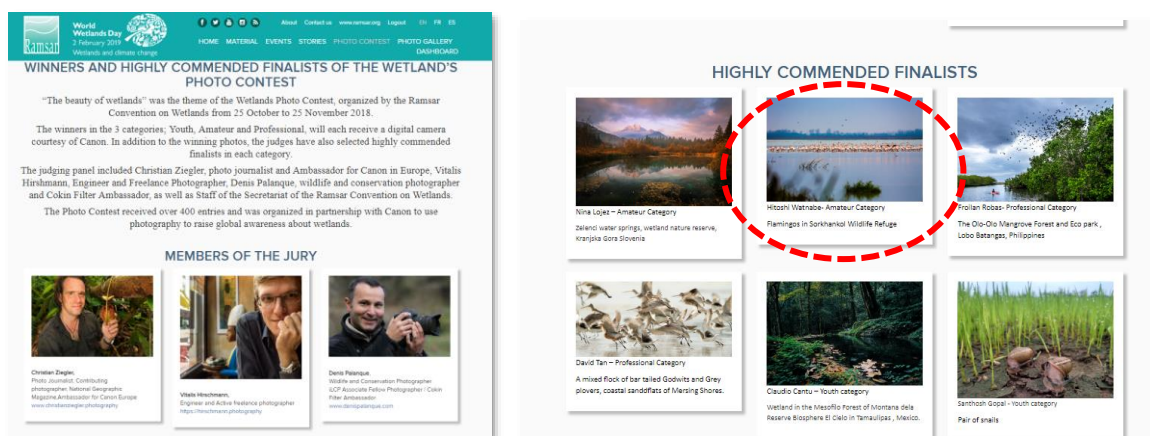


Source: World Wetland Day website: <http://www.worldwetlandsday.org/>

Figure 7.1-3 Ramsar World Wetland Day Website

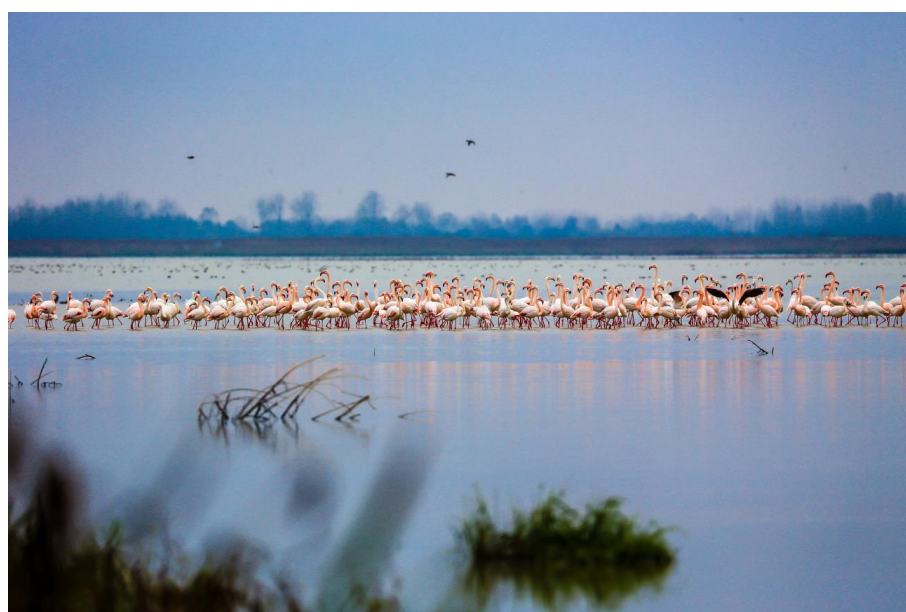
“The beauty of wetlands” was the theme of the Wetlands Photo Contest, organized by the Ramsar Convention on Wetlands from 25 Oct to 25 Nov 2018. The winners in the 3categories; Youth, Amateur and Professional, were selected. In addition to the winning photos, the judges have also selected highly commended finalists in each category

JET applied the Anzali Wetland Photo to Amateur category. The photo of Flamingos in Sorkhankol WR was selected as highly commended finalists as shown in the following figures.



Source: World Wetland Day website: <http://www.worldwetlandsday.org/photos>

Figure 7.1-4 Anzali Photo Selected on Ramsar WWD Photo Contest 2019



Grater Flamingos in Sorkhankol Wildlife Refuge on 17th Nov 2018

Source: JICA Expert Team

Figure 7.1-5 Photo Selected as Highly Commended Finalists on WWD Photo Contest 2019

7.2. Training Programs in Japan

(1) Training Program in the 1st Year of the Project

1) Visit to Japan by the Gilan Provincial Governor and Project Executives

Gilan Provincial Governor and project executives visited Japan under arrangement by JICA between 31st July and 8th August 2014. The participants are shown in the following table. Purpose of the visit was to have better mutual understanding of the environmental conservation

and the project by seeing current activities and facilities on environmental conservation and improvement in Japan. Biwa Lake is the largest lake in Japan and many efforts and actions have been taken for long time to solve various environmental issues which are common to the Anzali Wetland such as wastewater and waste management. The program of the visit is shown in the following Tables 7.2-1 and 7.2-2.

Table 7.2-1 List of Participants for Visit to Japan by Gilan Provincial Governor

Name	Title
(1) Mr. Mohammadali Ali NAJAFI	Gilan Provincial Governor (Chairperson of AWMC)
(2) Dr. Ahmad Ali KEIKHA	Deputy Head of Natural Environment, DOE (Project director for the project)
(3) Dr. Masoud Bagherzadeh KARIMI	Deputy Director General on Wetlands and National Parks (Deputy project director)
(4) Mr. Mohammadreza BORJI	General Director, DOE Gilan (Project manager)
(5) Mr. Mousa AMINI	Head of Natural Environment, DOE Gilan

Source: JICA Expert Team

Table 7.2-2 Program of the Visit to Japan by Gilan Provincial Governor

Date (2014)	Activities	Speakers/Contact Persons	
		Names	Positions and Organizations
Jul 31 (Thu.)	Depart from Iran		
Aug 1 (Fri.)	Arrive in Osaka		
Aug 2 (Sat.)	Move to Kusatsu, Shiga Prefecture		
	Briefing		
	Visit to Lake Biwa Museum	Mr. Mitsutaka Yamamoto	Assistant Section Chief, Lake Biwa Museum
Aug 3 (Sun.)	Introduction to Integrated Lake Basin Management (ILBM)	Dr. Masahisa Nakamura	Professor, Shiga University/Chairperson, Scientific Committee, ILEC
	Visit to Harie District, Takashima City		The Committee of Harie Shozu Village
Aug 4 (Mon.)	Shiga's Environmental Policies and Comprehensive Conservation of Lake Biwa	Mr. Nobuhiko Miwa and Mr. Takayuki Mochizuki	Lake Biwa Policy Division, Shiga Prefectural Government (SPG)
	Visit to Lake Biwa Environmental Research Institute	Dr. Takuya Okubo	Lake Biwa Environmental Research Institute
	Visit to Clean Center Shiga (Final Treatment Site for Industrial Waste)		Shiga Environmental Enterprises Public Corporation
Aug 5 (Tue.)	Visit to Konan-Chubu Water Reclamation Plant	Mr. Kazunori Miyagawa	Konan-Chubu Water Reclamation Plant
	Visit to Hiyoshi Corporation		Hiyoshi Corporation Note: Commerce and Industry Policies Division, SPG, is to join the meeting.
	Visit to Environmental Management Center (Waste Incinerator Plant)		Koka Administrative Association
Aug 6 (Wed.)	Move to Tokyo (from Kyoto)		
	Welcome Lunch		
	Courtesy Visit to JICA Headquarters		
	Courtesy Visit to Ministry of the Environment		
Aug 7 (Thu.)	Reception		
	Depart from Tokyo		
Aug 8 (Fri.)	Arrive in Iran		

Source: JICA Expert Team

2) Training in Japan for Iranian Counterpart Personnel

The aim of this training was to learn experiences and current activities of wetland environmental management in Japan. The training established three goals as shown below and aimed at capacity development through site visits, lectures, and discussion with Japanese experts.

- a) To improve understanding of wetland conservation measures in cooperation with many stakeholders such as relevant authorities, the public, NGOs, and others;
- b) To improve understanding of necessary respective policies and measures related to wetland ecosystem conservation, watershed management, sewage management, waste management, ecotourism, and environmental education for wetland conservation; and
- c) To understand importance of wetland and wise-use experientially.

Twelve trainees were selected from DOE Gilan, NRWGO, GRWC, GWWC, Gilan WMO, GCHHTO, and EO Gilan, who are counterpart personnel of the six (6) SCs for the project. Knowledge and experiences obtained through this training were expected to be utilized in the project activities. In preparation of the draft training program, JET discussed with the Iranian side to confirm training needs. JET prepared five (5) training program courses in accordance with specialization and concerns of each SC. The training period was between 6th and 26th October 2014 and its program is shown in Table 7.2-3(1) –(3).

Table 7.2-3(1) Schedule of Training in Japan

Date (October)		1. Watershed management	2. Sewage Management	3. Waste Management	4. Ecotourism and Environmental Education	5. Wetland Ecological Management
6-7		Arrival in Japan				
8 (Wed)	AM	JICA(Hatsudai) Briefing				
	PM	JICA (Hatsudai) Orientation, JICA (Niban-cho) Familiarization visit, Welcome Party in Nippon Koei in evening				
9 (Thu)	AM	Lecture: Ministry of Land, Infrastructure, Transport and Tourism(MLIT) (Lecture: Mechanism of erosion control skills and public administration in Japan)	Lecture: Sewerage and wastewater management department, City and Regional Department Bureau, MLIT (Vicissitude and challenges of public administration of sewerage in Japan)	Lecture: Waste Management and Recycling Department, Ministry of Environment(MoE) (Approach of waste and recycle in Japan)	Lecture: Nature Conservation Bureau, MoE (Ecotourism in Japan/ Public administration of contact with nature)	Lecture :River Environment Division, City and Regional Department Bureau, MLIT (Nature restoration project in Japan)
	PM	Lecture: Forestry Agency (Mechanism of afforestation skills and public administration in Japan)	Lecture: Environmental Management Bureau, Ministry of Environment (Public administration of water management in Japan)	Lecture: Tokyo Environmental Public Service Corporation (Existing status of municipality waste management, environmental education and 3R activities in Japan)	Lecture: Nature Conservation Bureau, Ministry of Environment 【Joint Team: Eco tour/Environmental education and Wetland ecological management】 (Public administration of wetland conservation in Japan)	
10 (Fri)	AM	Site visit: Forestry Agency (Sendai Coastal Forest(during adjustment))	Yokohama City (North Sludge Recycle Center)	Tokyo Environmental Public Service Corporation (Site visit: Waste incineration plant)	Lecture: Ramsar center Japan (Kodomo Ramsar Relationship)	Lecture: Tonegawa Upper Stream Office of River, Kanto Regional Development Bureau, MLIT (Natural environment and Land use management and Watarase flood control basin)
	PM		Ditto (Site Visit)	Tokyo Environmental Public Service Corporation (Site visit: Futatsutsuka disposal field, Yatozawa disposal field)	Lecture: Japan Ecotourism Society (Ecotourism in Japan)	Ditto (Site visit)
11 (Sat)		Holiday				
12 (Sun)		Move to Sapporo	Move to Kushiro			
13 (Mon)		Site visit: Erosion control and afforestation facilities in Usu Mountain	【Joint Team: Sewage management, Waste management, Ecotourism and Environmental Education and Wetland ecological management】 Site Visit to Kushiro Wetland (Support by KIWC) Kushiro Sightseeing Tower → Onnenai Visitor Center → Stroll in Onnenai Boardwalk → Tsurui Ito Sanctuary			
14 (Tue)	AM	Site visit: Tarumae Mountain (Supervision and monitoring system for volcanic sediment control and Countermeasures for hillside dilapidation, ravin, and volcanic ash)	Familiarization visit to Kushiro Load Mayor → Lecture in Kushiro Wetland (Support by KIWC) @Kushiro Wetland convention center)			
	PM		Site Visit to Kushiro Wetland (Support by KIWC) Takkobu Trailer Site → Canoe Experience in Touro Lake → Hosooka Daikanbo → Hosooka Visitors Lounge			

Source: JICA Expert Team

Table 7.2-3 (2) Schedule of Training in Japan

Date (October)		1. Watershed management	2. Sewage Management	3. Waste Management	4. Ecotourism and Environmental Education	5. Wetland Ecological Management
15 (Wed)	AM	Move to Kushiro	Lecture: Sewerage work division, Water department, Shibecha- Town (Sewerage works within Kushiro Wetland basin)	Lecture: Department of Environment, Kushiro City (9:00~11:00 Outline and vicissitude of waste management in Kushiro City)	Lakeside Touro (Canoe experience in Wetland)	Lecture & Site Visit: Kushiro Nature Conservation Office, MoE, Lecture: 「Function of MoE in Rural area」, 「Approach by MoE for natural restoration in Kushiro Wetland」 Site visit: Nature restoration project in Takkobu area
	PM		Site visit: (Sewage Treatment Plant in Shibecha Town, and Small scale sewage treatment plant in Touro area)	Site visit : Department of environment, Kushiro City Kushiro City extended association sewage disposal facility, Kushiro City final disposal site, Bulk waste treatment center)	Ditto	Site Visit: Kushiro Wetland Wildlife Protection Center, MoE Approach of Treatment & Breeding for Blakiston's Fish Owl (Endangered species in Japan)
16 (Thu)	AM	Lecture: Flood control division, Kushiro Development and Construction Department, Hokkaido Regional Development Bureau, MLIT (Nature restoration project in Kushiro Wetland, Natural environmental monitoring) 【Joint Team: Watershed management, Sewage management and Wetland ecological management】		Site visit: Department of environment, Kushiro City (Status of collection and transport, Resource recycle center, Hazard waste Treatment Plant)	Move to Kiritappu Wetland	Lecture & Site visit: Flood control division, Kushiro Development and Construction Department, Hokkaido Regional Development Bureau, MLIT (Nature restoration project in Kushiro Wetland, Natural environmental monitoring) 【Joint Team: Watershed management, Sewage management and Wetland ecological management】
	PM	Ditto Site Visit (Nature restoration project in Kushiro Wetland)		Site Visit : Department of environment, Kushiro City (3R・environmental education)	NPO Kiritappu Wetland National Trust (Environmental education experience)	Ditto Site Visit (Nature restoration project in Kushiro Wetland)
17 (Fri)	AM	【Associated Session】 Preparation for Afternoon Workshop				
	PM	【Associated Session】 Networking Event with Kushiro Wetland and Anzali Wetland Training (Support by KIWC) Approach of Kushiro Wetland Nature Restoration Committee (Academic expert :Mr.Shinsho) Exchange of Opinion and Other Activities				
18 (Sat)		Move to Tokyo				
19 (Sun)		Holiday				

Source: JICA Expert Team

Table 7.2-3 (3) Schedule of Training in Japan

Date (October)		1.Watershed management	2. Sewage Management	3. Waste Management	4. Ecotourism and Environmental Education	5. Wetland Ecological Management
20 (Mon)	AM	Move to Ashio	Move to Nasu	Move to Kamikatsu, Tokushima	Move to Fujinomiya	Move to Toyooka
	PM	Site Visit: Forestry Agency Ashiro Afforestation construction work: Vegetative restoration and construction methods for denuded land)	Factory Tour : FUJI CLEAN Co.,Ltd Nasu Shibara factory (13:00-15:00)	Lecture: Kamikatsu Town (Activities for Zero Waste (Segregation of 34 types and environmental education activity, etc)	Whole Earth Nature School (Eco tour/Environmental education) Lectures and experiences	Toyooka City
21 (Tue)	AM	Site Visit: Forestry Agency Nantai-san Afforestation construction work : Hillside work, facility plan, design and construction methods)	Lecture: Kodaira Fureai Sewer Center (10:00-)	Kamikatsu Town (Site visit :Hibiya station、Kamikatsu station)		Lecture: Toyooka City Reintroduction program for White Stork in Maruyama River
	PM	Move to Tokyo	Move to Mishima	Move to Hayama Town		Site visit: Toyooka City (Restoration Project in Tayui Wetland)
22 (Wed)	AM	Move to Suwa	Site visit : Kakitagawa Spring	Lecture: Hayama Town (Public administration of waste management and Site visit: Separate collection、3R facility)	General incorporated association (Eco tour/Environmental education) Lectures and experiences	Site visit: Toyooka City (White Stork Cultural Center and Nature restoration project in Hachigoro Toshima Wetland)
	PM	Site visit : Suwa Lake Suwa construction office, Nagano- Prefecture (Approach for water purification in Suwa Lake)	Site visit : Wastewater treatment facility by drinking water company (Yakult Fuji-susono factory) Move to Tokyo	Site visit :Hayama Town (Waste treatment facility)		Lecture: Toyooka office of River and National Highway, Kinki Regional Development Bureau,MLIT (Nature restoration project of Maruyama River)
		Site visit : Tenryu office of Upper Stream River, Chubu Regional Development Bureau, MLIT (Sand control measures in sand erosion area, countermeasure for accretion of sand in Dam area, and etc)				
23 (Thu)	AM	Site visit (Ditto) (Erosion control technique and Monitoring facility for sand management)	Lecture: Tokyo Sewerage Technical Practical Training Center (Sunamachi Water Reclamation Center)	Site visit :Hayama Town (Site visit: Separate collection、3R facility)	Move to Tokyo	Move to Tokyo
	PM	Move to Tokyo	〃	Move to Tokyo		
24 (Fri)		Workshop・Evaluation Meeting /JICA				

Source: JICA Expert Team

In the training program in Kushiro, a workshop (WS) was held jointly with the Kushiro International Wetland Center (KIWC). A representative of Iranian trainees introduced the Anzali Wetland and reported what they had learning from training program of the Kushiro Wetland. After the presentation and lectures, trainees and members of KIWC discussed wetland conservation measures. The agenda of the WS is shown in Table 7.2-4.

Table 7.2-4 Agenda of Workshop with KIWC

Time	Program
13:00	Opening speech
13:10	Purpose of the training and Introduction of trainees and Japanese experts
13:20	Self-introduction of related to Kushiro wetland
14:00	Lecture of Kushiro wetland - Approach of Kushiro Wetland Nature Restoration Committee -
14:50	Introduction of the Anzali Wetland
15:10	Learning from Kushiro wetland training program
15:30	Question& Answer and Exchange of Opinion
16:15	Comments from KWIC
16:25	Closing speech

Source: JICA Expert Team

(2) Training Program in the 2nd Year of the Project

Training in Japan for the Iranian counterpart personnel was conducted between 29th August and 19th September, 2015. Purpose and targets of the training are shown below.

Purpose: To understand activities and exercise on wetland conservation with collaboration of various stakeholders in Japan and to get better understanding on the measures for wetland ecological management, watershed management, wastewater management, waste management, ecotourism, and environmental education, which are required for the wetland conservation.

Training Target No. 1: Better understanding on wetland conservation measures with collaboration among stakeholders such as relevant administrative bodies, local residents, and NGOs.

Training Target: No. 2: Individual measures for wetland ecological management, watershed management, wastewater management, waste management, ecotourism, and environmental education, which are required for the wetland conservation.

Training Target No. 3: Importance of the wetland and what is the wise-use are understood.

Twelve trainees were selected from Provincial Governor's Office, DOE HQ, DOE Gilan, GRWC, RWWC, MO, and EO Gilan, who are counterpart personnel for the project. Knowledge and experiences obtained through this training were expected to be utilized in the project activities. In preparation of the draft training program, JET discussed with the Iranian side to

confirm training needs. JET prepared two (2) training program courses in accordance with specialization and concerns of each SC. The training program is shown in Table 7.2-5.

Table 7.2-5 Program of Training in Japan, 2015

Date (Aug-Sep)		< Group 1 > Watershed Management, Sewage Management, and Waste Management	< Group 2 > Wetland Ecosystem Management, Ecotourism, and Environmental Education
29 (Sat)		Departure from Tehran	
30 (Sun)		Arrival in Japan	
31 (Mon)	AM	Briefing in Tokyo International Center (TIC) of JICA	
	PM	Orientation in TIC Welcome party in Nippon Koei in the evening	
1 (Tue)	AM	Lecture: Forestry Agency - Subject: Mechanism of afforestation skills and administrative system in Japan	Lecture: Nature Conservation Bureau, Ministry of Environment (MoE) - Subject: Environmental education, ecotourism, and administrative system of promotion of communication with nature in Japan
	PM	Site visit: Ochiai Water Reclamation Center, Tokyo Metropolitan Government	Lecture: Nature Conservation Bureau, MoE - Subject: Administrative system of wetland conservation in Japan
		Courtesy visit in Embassy of the Islamic Republic of Iran in Japan (evening)	
2 (Wed)	AM	Lecture: Waste Management and Recycling Department, MoE - Subject: Waste and recycle management in Japan	Lecture: Ministry of Education - Subject: Environmental Education (ESD) in Japan
	PM	Lecture: Environmental Management Bureau, MoE - Subject: Administrative system of water quality management in Japan	Lecture: Japan Ecotourism Society - Subject: Ecotourism in Japan
3 (Thu)	AM	Move to Sendai City, Miyagi Prefecture	Site visit: Yatsu-higata (RAMSAR site)
	PM	Site visit: Sendai coastal forest, Forestry Agency	Lecture: NPO Center for Ecological Education - Subject: Environmental education in Yatsu-higata
4 (Fri)	AM	Lecture: Shinjuku Recycle Center in Tokyo - Subject: Current status of municipal waste management, environmental education and 3R activities in Japan	Move to Watarase, Tochigi Prefecture
	PM	Site visit: Hachioji City, Tokyo - Site: Tobuki Clean Center, Plastic Recycling Center, Incombustible Pulverizing Facility and Sport Park	Lecture & Site visit: Tonegawa River Upper Stream Office, Kanto Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism (MLIT) - Subject: Natural environment and land use management - Site: Watarase flood control basin
5 (Sat)		Holiday	
6 (Sun)		Move to Kushiro City, Hokkaido	
7 (Mon)		Site visit: - Site: Kushiro Wetland (Tsurui Dosanko Ranch => Kushiro Tancho Natural Park => Canoe Experience in Touro Lake (to Takkobu Lake) => Hosooka Daikanbo and Hosooka Visitors Lounge)	
8 (Tue)	AM	Courtesy visit of Kushiro City Mayor in Kushiro City Hall	
		Lecture: Kushiro International Wetland Center (KIWC) - Subject: Nature Conservation and Activities of Local Residents in Kushiro Area	
9 (Wed)	PM	Lecture & Site visit: Kushiro Wetland Kushiro Sightseeing Tower => Stroll in Onnenai Boardwalk	
	AM	Lecture & Site visit: Hokkaido Regional Development Bureau, MLIT - Subject: Nature restoration project in Kushiro Wetland - Site: Kayanuma site, Kuchoro River, and Touro site	
10 (Thu)	AM	Site visit: Department of Environment, Kushiro City - Site: Composting Facility of Kushiro City	Lecture: NPO Kiritappu Wetland National Trust - Subject: National trust action in Kiritappu Wetland

Date (Aug-Sep)		< Group 1 > Watershed Management, Sewage Management, and Waste Management	< Group 2 > Wetland Ecosystem Management, Ecotourism, and Environmental Education
	PM	Site visit: Department of Waterworks, Shibechea Town - Site: Sewage treatment plant in Shibechea Town, and Small scale sewage treatment plant in Touro/Isobun area, Shibechea Town	Experience: NPO Kiritappu Wetland National Trust - Subject: Eco-tour and environmental education
11 (Fri)		< Joint Program > Workshop for networking between Kushiro Wetland and Anzali Wetland	
12 (Sat)		Move to Tokyo	
13 (Sun)		Holiday	
14 (Mon)	AM	Move to Suwa Lake, Nagano Prefecture	Move to Fuji Yoshida Lecture: Biodiversity Center of Japan, MoE - Subject: Biodiversity monitoring by MoE
	PM	Site visit: Suwa Construction Office, Nagano Prefecture - Subject: Water purification measures - Site: Suwa Lake	Experience: Konno Pottery Class - Subject: Pottery making
		Site visit: Tenryugawa River Upper Stream Office, Chubu Regional Development Bureau, MLIT - Subject: Erosion control technique and monitoring facility for sand management - Site: Yotagiri River and Tenryu River	
	AM	Site visit: Tenryugawa River Upper Stream Office, Chubu Regional Development Bureau, MLIT - Subject: Erosion control technique and monitoring facility for sand management - Site: Onishi Park, By-pass for flood, Miwa Dam and other work sites	Lecture: Yuno junior high school & ECO-LOGIC - Subject: Actual situation of environmental education for junior high school in Japan - Yuno junior high school, Fuji Yoshida City, Shizuoka Prefecture
	PM	Move to Tokyo	Experience: Izumi processing place - Subject: Soba making Lecture: ECO-LOGIC - Subject: Effect of visitor center Move to Tokyo
16 (Wed)		Preparation of workshop and evaluation meeting at TIC	
17 (Thu)		Workshop and Evaluation Meeting at TIC	
18 (Fri)		(to be fixed)	
19 (Sat)		Departure for Iran	
Number of Trainees		6 persons	6 persons
		Total: 12 persons	

In the training program in Kushiro, “2nd Workshop for Networking between Kushiro Wetland and Anzali Wetland” (WS) was held jointly with the Kushiro International Wetland Center (KIWC). A representative of Iranian trainees introduced the Anzali Wetland and reported what they had learning from training program of the Kushiro Wetland. After the presentation and lectures, trainees and members of KIWC discussed wetland conservation measures. The agenda of the WS is shown in Table 7.2-6.

Table 7.2-6 Agenda of Workshop with KIWC

Time	Program
13:00	Opening remarks: History of communication between Kushiro Wetland and Anzali Wetland Introduction of the Iranian participants (Mr. Aoki, JET)
13:20	Introduction of the Japanese participants from Kushiro (Mr. Kikuchi, KIWC)
13:30	Introduction of the Anzali Wetland and project activities (by an Iranian trainee)
13:50	Lesson learnt from visit of the Kushiro Wetland (by an Iranian trainee)
14:10	Q&A and comments (all participants)
15:00	Exchanging opinions for further collaborations
16:00	Closing remarks (Mr. Kikuchi, KIWC)

Source: JICA Expert Team



Source: JICA Expert Team

Figure 7.2-1 Some Photos in the Training in Japan

(3) Training Program in the 3rd Year of the Project

1) Training Program for Higher Rank Officers

Training in Japan for the Iranian counterpart personnel was conducted between 8 and 22 October, 2016. Purpose and targets of the training are shown below.

Purposes: To understand activities and exercise on wetland conservation with collaboration of various stakeholders in Japan and to get better understanding on the measures for wetland ecological management, watershed management, wastewater management, waste management, ecotourism, and environmental education, which are required for the wetland conservation.

Training Target No. 1: Better understanding on wetland conservation measures with collaboration among stakeholders such as relevant administrative bodies, local residents, and NGOs.

Training Target: No. 2: Individual measures for wetland ecological management, watershed management, wastewater management, waste management, ecotourism, and environmental education, which are required for the wetland conservation.

Training Target No. 3: Importance of the wetland and what is the wise-use are understood.

Seven trainees from Gilan Judiciary, Gilan Provincial Governor's office, DOE headquarter, PBO, DOE Gilan, Rasht City and EO participated in the training program. The members are shown in Table 7.2-7. The trainees have high position in related authorities of the project. Knowledge and experiences obtained through this training were expected to be utilized in the project activities and future wetland conservation. In preparation of the draft training program, JET discussed with the Iranian side to confirm training needs.

Table 7.2-7 Trainees of Training in Japan in 2016

No	Name	Present Occupation
1	Mr. Ahmad Siavashpour	Chief, Gilan Judiciary, Judicial System
2	Mr. Hojiat Shabanpour	Deputy Provincial Governor for Development, Civil and Development Affairs, Gilan Provincial Governor's Office
3	Dr. Hamid Goshtaseb	General Director, Habitats and Protected Areas Bureau, Deputy Office for Natural Environment, Department of Environment (DOE)
4	Mr. Mohammadali Mohammadi Molasaraei	Director General, Gilan Planning and Budget Organization (PBO)
5	Mr. Ghorban Ali Mohammadpour Roudboshte	Director General, Gilan Department of Environment, Department of Environment (DOE)
6	Mr. Seyed Eisa Mahdavi Bahadormahalleh	Governor of Rasht City, Political Basin, Governor of Gilan
7	Mr. Mehdi Hajati Pishvari	Director General, Gilan Education Head Office (EO)

Source: JICA Expert Team

Mainly two places were visited to see environmental conservation activities for the wetlands; Kushiro Wetland and Lake Biwa. The Kushiro Wetland is the first Ramsar Wetland in Japan with similar size and characteristics with the Anzali Wetland and has continued partnership between Kushiro and Anzali Wetlands since the Phase I project. Lake Biwa is the largest lake in Japan which has tackled various kinds of issues such as water pollution and have taken countermeasures to improve the environment with long time efforts.

Table 7.2-8 Program of Training in Japan, 2016

Day (October)	Program
9th (Sun)	Departure from Tehran airport, Iran
10th (Mon)	Arrival at Narita and Haneda airports, Japan
11th (Tue)	Basic orientation on the training in JICA Tokyo International Center Courtesy visit to JICA HQ Courtesy visit to Ministry of Environment of Japan Welcome dinner by Nippon Koei
12th (Wed)	Move to Kushiro City Visit the Kushiro City Marsh Observatory Visit the boardwalk facility in the Onnenai Visitor Center Visit the Kushiro Zoo
13th (Thu)	Courtesy visit to Kushiro city mayor and visit Kushiro City office Visit the Hosooka observatory Visit Shibechea high school Toro Lake Visitor Center
14th (Fri)	Visit the Kushiro Wetland Wildlife Protection Center under Ministry of Environment Workshop for Networking between Kushiro Wetland and Anzali Wetland
15th (Sat)	Canoe tour in the Kushiro River Move to Tokyo (afternoon)
16th (Sun)	Holiday in Tokyo
17th (Mon)	Move to Shiga Prefecture Visit the Lake Biwa Environmental Research Institute
18th (Tue)	Courtesy visit to the deputy governor of Shiga Prefecture Lecture on rules and regulation on water quality Visit measure for aquatic plant control Visit the Lake Biwa Museum
19th (Wed)	Visit the Konan-Chubu wastewater treatment plant Visit the final landfill site "Clean Center Shiga" Move to Kyoto City
20th (Thu)	Visit the Kyoto Museum for World Peace in Ritsumeikan University Visit several historical spots in Kyoto City Visit the Kyoto City district court
21st (Fri)	Visit the Kyoto Municipal Center for Promotion of Environment Protection Leaving from Kansai International airport, Japan
22nd (Sat)	Arrival at Tehran airport, Iran









Source: JICA Expert Team

In the training program in Kushiro, "3rd Workshop for Networking between Kushiro Wetland and Anzali Wetland" was held jointly with the Kushiro International Wetland Center (KIWC). Mr. Mohammadpour, who is head of DOE Gilan, introduced the Anzali Wetland and their activities in the wetland. After the presentation and lectures, trainees and members of KIWC discussed wetland conservation measures. The agenda of the WS is shown in Table 7.2-9.

Table 7.2-9 Agenda of 3rd Workshop with KIWC

Time	Program
14:00	Opening remarks: History of communication between Kushiro Wetland and Anzali Wetland
14:10	Introduction of the Japanese participants from JET (Mr. Aoki, JET)
14:15	Explanation of the purpose of training and introduction of the Iranian participants (Mr. Aoki, JET)
14:20	Introduction of the Japanese participants from Kushiro (Mr. Kikuchi, KIWC)
14:30	Introduction of relationship history between Kushiro and Anzali wetlands (Mr. Aoki, JET)
14:30	Introduction of the Anzali Wetland and project activities (Mr. Mohammadpour, DOE Gilan)
15:00	Exchanging opinions for further collaborations
15:50	Closing remarks (Mr. Kikuchi, KIWC)

Source: JICA Expert Team

		
Visit the Hosooka observatory on 12 October, 2016	Courtesy visit to Kushiro City Mayor on 12 October, 2016	Visit the Shibecha High School on 12 October, 2016
		
Visit Kushiro Wetland Wildlife Protection Center on 14 October, 2016	Workshop for Networking between Kushiro Wetland and Anzali Wetland on 14 Oct. 2016	Canoe tour in the Kushiro River on 15 October, 2016
		
Visit the Lake Biwa Environmental Research Institute on 17 October, 2016	Courtesy visit to the deputy governor of Shiga Prefecture on 18 October, 2016	Visit the Lake Biwa Museum on 18 October, 2016

		
Visit the Konan-Chubu wastewater treatment plant on 19 October, 2016	Visit the final landfill site "Clean Center Shiga" on 19 October, 2016	Award ceremony of certificate on 21 October, 2016

Source: JICA Expert Team

Figure 7.2-2 Photos in the Training in Japan



Source: Kushiro's Newspaper on 14 October 2016

Figure 7.2-3 Newspaper Article on Courtesy Visit to Kushiro City Mayor

2) Presentations by Participants of the Training in Iran

On 17 November, 2016 at the PBO Gilan office, results of the training were presented by the participants of the training to share experiences and lessons learnt during the training program in Japan. Managers of various governmental organizations, academics, NGOs, and mass-media in Gilan Province attended in the presentations.



Source: Website of PBO Gilan

Figure 7.2-4 Photos of Presentations by Participants of the Training in PBO Gilan Office

(4) Training Program in the 4th Year of the Project

Training in Japan for the Iranian counterpart personnel was conducted between 7 and 30 October, 2017. Purpose and targets of the training are shown below.

Purposes: To understand activities and exercise on wetland conservation with collaboration of various stakeholders in Japan and to get better understanding on the measures for wetland ecological management, watershed management, wastewater management, waste management, ecotourism, and environmental education, which are required for the wetland conservation.

Training Target No. 1: Better understanding on wetland conservation measures with collaboration among stakeholders such as relevant administrative bodies, local residents, and NGOs.

Training Target: No. 2: Individual measures for wetland ecological management, watershed management, wastewater management, waste management, ecotourism, and environmental education, which are required for the wetland conservation.

Training Target No. 3: Importance of the wetland and what is the wise-use are understood.

Seven trainees from DOE headquarter, PBO Gilan, DOE Gilan, DOE Anzali, NRWGO Gilan, and Gilan Provincial Governor's Office participated in the training program. The members are shown in Table 7.2-10. Knowledge and experiences obtained through this training were expected to be utilized in the project activities and future wetland conservation. In preparation of the draft training program, JET discussed with the Iranian side to confirm training needs.

Table 7.2-10 Trainees of Training in Japan in 2016

No.	Name	Position	Organization
1	Reyhaneh Pargizgar	Wetland Technical Expert	Natural Environment Section, DOE HQ
2	Abbas Rezanejad	Head of Performance Office	DOE Gilan
3	Mohammad Ali Sedigh Arabani	Head PR Section	DOE Gilan
4	Ehsan Hadipour	Director	DOE Anzali
5	Mohammad Taghi Eghdami	Chief of Integration Group	PBO Gilan
6	Keyvan Asadi	Senior Watershed Management Expert	NRWGO Gilan
7	Mohammadreza Salahshour	Green Space Expert	Technical Bureau, Gilan Provincial Governor's Office

Source: JICA Expert Team

The curriculum of training course included all kind of programs which related to 6 SCs fields. The trainees visited many places such as Tokyo metropolitan, Tochigi prefecture, Shizuoka prefecture and Hokkaido prefecture. Main place of training was the Kushiro Wetland in Hokkaido prefecture and trainees stayed there during 5 days. The Kushiro Wetland is the first Ramsar Wetland in Japan with similar size and characteristics with the Anzali Wetland and has continued partnership between Kushiro and Anzali Wetlands since the Phase I project.

Table 7.2-11 Program of Training in Japan, 2017

Time & Date in Oct. 2017		Schedule/ Program	Venue
7 (Sat) to 8 (Sun)		Traveling: Tehran to Tokyo	
9 (Mon, Holiday) ¹		Site Visit: Tokyo Port Wild Bird Park	Tokyo Port Wild Bird Park
10 (Tue)	AM	Briefing on staying in Japan	JICA Tokyo International Center
	PM	Orientation for training program	JICA Tokyo International Center
		Welcome orientation & reception	Nippon Koei Office
11 (Wed)	AM	Lecture: National administration of wetland conservation in Japan	Biodiversity Policy Division, Nature Conservation Bureau, Ministry of Environment (MOE)
	PM	Lecture: National administration of waste management in Japan	Waste Management and Recycling Department, MOE
	PM	Lecture: National administration of sewage management in Japan	Water Environment Division, Environment Management Bureau, MOE
12 (Thu)	AM	Traveling: Tokyo to <i>Ashiodoza</i> n (Asio Copper Mine), Tochigi Prefecture	
	PM	Site visit: Afforestation restoring method and construction technique in Ashio	Nikko Forest District Office, Kanto Forest Regional Office, Forestry Agency
13 (Fri)	AM	Site visit: Municipal activity on environmental education & 3R in Japan (Shinjuku, Tokyo)	Shinjuku Recycling Activity Center
	PM	Site visit: Large-scale sewage treatment plant	Morigasaki Water Reclamation Center
14 (Sat)		Holiday (Tokyo)	
15 (Sun)		Traveling: Tokyo to Fujinomiya City, Shizuoka Prefecture	
16 (Mon)	AM	Activity: Community-based ecotourism (4-5 hrs. including lunch time)	Fujinomiya <i>Sengentaishya</i> (Shrine) Mall area
	PM	Lecture: Community-based ecotourism, Q&A	-ditto-
17 (Tue)	AM	Site visit: Community-based environmental education for children	Susono City public elementary school and junior high school etc. (tentative)

¹ National holiday in Japan, health & sport day

Time & Date in Oct. 2017		Schedule/ Program	Venue
	PM	Activity: Community-based ecotourism experience (Biking tour etc.)	Fujinomiya City
	PM	Lecture: Ecotourism Program Designing, Q&A	Ecologic
18 (Wed)	AM	Lecture & Site visit: Role and function of visitor center	Tanuki Lake Nature School
	PM	Activity: Bird watching	-ditto-
	PM	Lecture: Wrap-up and discussion on Ecotourism's lectures & activities	-ditto-
	PM	Traveling: Fujinomiya City to Tokyo	
19 (Thu)	AM	Site visit: Yatsu Tideland (registered as Ramsar Wetland)	Yatsu Tideland Nature Observation Center
	PM	Traveling: Tokyo to Sapporo City, Hokkaido	
20 (Fri)	AM	Traveling in Hokkaido: Sapporo to Mt. Usu area	
	PM	Site visit: Forest conservation and erosion control of Mt. Usu	Shiribeshi Forest District Office, Hokkaido Forest Regional Office
21 (Sat)		Holiday (Sapporo)	
22 (Sun)	AM	Traveling in Hokkaido: Sapporo City to Kushiro City	
		Site visit: Kushiro City Wetland Observatory	Kushiro City Wetland Observatory
	PM	Site visit: Onnenai Boardwalk and Onnenai Visitor Center	Onnenai Visitor Center
		Site visit: Kushiro Japanese Crane Reserve	Kushiro Japanese Crane Reserve
23 (Mon)	AM	Courtesy visit: Mayor of Kushiro City & Ceremony of Anzali Wetland photo & painting competition	Kushiro City Hall
	AM	Lecture: Nature restoration project and environmental monitoring in Kushiro wetland	Flood Control Division, Kushiro Development and Construction Department, Hokkaido Regional Development Bureau, MLIT ²
	PM	Site Visit: Kushiro River	Kayanuma-area
	PM	Site Visit: Fishway head work	Teshikaga Town
24 (Tue)	AM	Site visit: Shibecha Town sewage treatment plant, Touro-area sewage treatment facility	Shibecha Town
		Site visit: Kushiro wide-area federation incineration plant	Environmental Business Department, Kushiro City
25 (Wed)	AM	Site visit & Lecture: Protection of wild fauna and flora in Kushiro Marsh	Kushiro Wetland Wild Fauna and Flora Protection Center
	PM	Presentation & Discussion: Exchange session	Kushiro Life-Long Education Center
26 (Thu)	AM	Activity: Canoe tour	Touro Lake Canoe Pro
	PM	Traveling: Kushiro City to Tokyo	
27 (Fri)	AM	Preparation: Presentation on action plan	Nippon Koei Office
	PM	Presentation on action plan, Closing session (Feedback sharing & Certificate award)	
28 (Sat) to 30 (Mon)		Holiday, Traveling: Tokyo to Tehran	

Source: JICA Expert Team

In the training program in Kushiro, “4th Workshop for Networking between Kushiro Wetland and Anzali Wetland” was held jointly with the Kushiro International Wetland Center (KIWC). After the presentation and lectures, trainees and members of KIWC and citizens in Kushiro discussed wetland conservation measures. The agenda of the WS is shown in Table 7.2-12.

² Ministry of Land, Infrastructure, Transport and Tourism

Table 7.2-12 Agenda of 4th Workshop with KIWC

Time	Program
14:00	Opening remarks: History of communication between Kushiro Wetland and Anzali Wetland
14:10	Introduction of the Japanese participants from JET (Mr. Aoki, JET)
14:15	Explanation of the purpose of training and introduction of the Iranian participants (Mr. Aoki, JET)
14:20	Introduction of the Japanese participants from Kushiro (Mr. Kikuchi, KIWC)
14:30	Introduction of relationship history between Kushiro and Anzali wetlands (Mr. Aoki, JET)
14:30	Introduction of the Anzali Wetland and project activities (DOE Gilan)
15:00	Exchanging opinions for further collaborations
15:50	Closing remarks (Mr. Kikuchi, KIWC)

Source: JICA Expert Team

		
Afforestation restoring method and construction technique in Ashio 12 Oct 2017	Municipal activity on environmental education & 3R 13 Oct 2017	Morigasaki Water Reclamation Center 13 Oct 2017
		
Community-based ecotourism 16 Oct 2017	Community-based environmental education for children 17 Oct 2017	Courtesy visit from Kushiro Mayor 22 Oct 2017
		
Opinion Exchange in Kushiro City 16 Oct 2017	Kanoe tour in Kushiro River 23 Oct 2017	Preparation of Action plan 27 Oct 2017

Source: JICA Expert Team

Figure 7.2-5 Photos of the Training in Japan



Source: Hakkaido's Newspaper on 25 October 2017

Figure 7.2-6 Newspaper Article on Courtesy Visit to Kushiro City Mayor

Utilizing the results of this training course, on the final day of the training, the trainees divided into 4 teams according to specialty, and prepared each action plan for the Anzali Wetland Conservation. The trainees should utilize their experiences of the training in Japan for the Anzali Wetland.

7.3. Visitors to the Projects

(1) Visitors in the 1st Year of the Project

During the 1st year of the project, there were some visits to the project and project sites by officials as shown in Table 7.3-1.

Table 7.3-1 Visits to the Project by Officials during the 1st Year of the Project

Date	Name of Visitor
20 August 2014	Mr. Takafumi ITO, Auditor, JICA Mr. Yasuto TAKEUCHI, Chief Representative of JICA Iran Office
28 August 2014	Mr. Masaaki YONEDA, Senior Advisor of JICA
29 August 2014	Mr. Yasuto TAKEUCHI, Chief Representative of JICA Iran Office Mr. YAMANAKA, General Director, Dept. of Middle East, JICA Ms. OKUMURA, Dept. of Middle East, JICA
24 November 2014	Dr. Michiyo KAKEGAWA, Deputy Director, International Strategy Division/International Cooperation, Ministry of Environment Mr. Hiroshi FUMOTO, First Secretary, Embassy of Japan in Iran Mr. Hideki YUKIHIRA, Project Formulation Advisor, JICA Iran Office
10 December 2014	Mr. Koji Haneda, Ambassador, Embassy of Japan in Iran Mr. Onodera, Economic Cooperation, First Secretary, Embassy of Japan in Iran
20 February 2015	Mr. Souichiro SEKI, Vice-Minister for Global Environment, Ministry of Environment Mr. Nobuhiro KINO, Director, International Cooperation Office, Ministry of Environment Dr. Michiyo KAKEGAWA, Deputy Director, International Strategy Division/International Cooperation, Ministry of Environment Mr. Syun MATSUSHIMA, Ministry of Foreign Affairs Mr. Hiroshi FUMOTO, First Secretary, Embassy of Japan in Iran Mr. Yasuto TAKEUCHI, Chief Representative of JICA Iran Office
4 March 2015	Dr. Llewellyn Young, Senior Regional Advisor for Asia - Oceania, Ramsar Convention Secretariat Ms. Yasaman Rajabkhah, Ramsar Regional Centre in Central & West Asia, and others

Source: JICA Expert Team

(2) Visitors in the 2nd Year of the Project

During the 2nd year of the project, there were some visits to the project and project sites by officials as shown in Table 7.3-2.

Table 7.3-2 Visits to the Project by Officials during the 1st Year of the Project

Date	Name of Visitor
3 February, 2016	(Visit to Iran in the occasion of the World Wetland Day) Ms. Camilla Chalmers (Head of Communications, Ramsar Convention Secretariat) Ms. Solongo Khurelbaatar (Assistant to the Advisor - Asia/Oceania, Ramsar Convention Secretariat)
2 - 3 March, 2016	(Part of media tour on JICA-supported project in Iran, arranged by JICA Iran office) Mr. Kohei SATO, Chief Representative of JICA Iran Office Mr. Ryusuke IKEDA, Representative of JICA Iran Office Ms. Rosita FAKHREVAEZI, Program Officer of JICA Iran Office Mr. Vahid Kheyrolomoor, Program Officer of JICA Iran Office Persons from Iranian media including the Press TV, Hamshahri Newspaper, Tehran Times Newspaper, Iran Newspaper

Source: JICA Expert Team

(3) Visitors in the 3rd Year of the Project

During the 3rd year of the project, there were some visits to the project and project sites by officials as shown in Table 7.3-3.

Table 7.3-3 Visits to the Project by Officials during the 3rd Year of the Project

Date	Name of Visitor	Purpose
20 May - 6 June, 2016	Ms. Kanako ADACHI, Director of Natural Environmental Team of JICA headquarter Mr. Yutaro TANAKA, Natural Environment Team 2 of JICA headquarter Mr. Noriaki SAKAGUCHI, Senior Advisor of JICA headquarter Mr. Akihito MOCHIDUKI, ICONS Inc, Mr. Kohei SATO, Chief Representative of JICA Iran Office Mr. Norikazu YAMAZAKI, Project Formulation Advisor of JICA Iran Office Ms. Rosita FAKHREVAEZI, Program Officer of JICA Iran Office Mr. Hiroshi NISHIMIYA, JICA Environmental Policy Advisor for DOE headquarter	JICA mission for mid-term review of the project
24 August, 2016	Expert of Ministry of Foreign Affairs and Department of Environment of Afghanistan Representative of Ramsar Convention National Committee of Iran JICA Iran office	Afghan Experts Study Tour on Ramsar Convention
24 & 25 August, 2016	Mr. Norikazu YAMAZAKI, Project Formulation Advisor of JICA Iran Office Mr. Habibi, National staff of JICA Iran staff	Discussion with local contractor and site visit for JPA of waste water management
26 August, 2016	Dr. Masoumeh Ebtekar, Vice-President and Head of Department of Environment Dr. Najafi, Gilan Provincial Governor Other representatives from municipalities and relevant organizations	Launching ceremony for developing the Anzali City Ecotourism Visitor Center
19 & 20 February, 2017	Mr. Yoshihiro MIZUTANI, Director of International cooperation office of Ministry of the Environment (MOE) Dr. Michiko KAKEGAWA, Director deputy of International cooperation office of MOE Mr. Ryuji SHIMABUKURO, Advisor of MOE headquarter	Visit of Delegation from Ministry of Environment of Japan
22 & 23 April, 2017	Hiroiyuki TANAKA, Senior Representative of JICA Iran Office Mr. Hiroshi NISHIMIYA, JICA Environmental Policy Advisor for DOE headquarter	Opening ceremony of JBK Ecotourism Center and visit to project site

Source: JICA Expert Team

		
Afghan Experts Study Tour on Ramsar Convention on 24 August, 2016	Launching ceremony for developing the Anzali Wetland Visitor Center on 26 August, 2016	Launching ceremony for developing the Anzali Wetland Visitor Center on 26th August, 2016
		
Visit of delegation from Ministry of Environment of Japan on 19 and 20 February, 2017	Opening ceremony of JBK Ecotourism Center on 23 April, 2017	Opening ceremony of JBK Ecotourism Center on 23 April, 2017

Source: JICA Expert Team

Figure 7.3-1 Photos of Visitors to the Project

(4) Visitors in the 4th Year of the Project

During the 4th year of the project, there were some visits to the project and project sites by officials as shown in Table 7.3-4.

Table 7.3-4 Visits to the Project by Officials during the 4th Year of the Project

Date	Name of Visitor	Purpose
31 May – 1st Jun, 2017	Mr. Yukiharu KOBAYASHI, Chief Representative of JICA Iran Office Mr. Norikazu YAMAZAKI, Project Formulation Advisor of JICA Iran Office Ms. Rosita FAKHREVAEZI, Program Officer of JICA Iran Office	JCC meeting, meeting with deputy provincial governor, meeting with PBO, Field visit
3 Aug, 2017	➤ Deputy provincial governor ➤ Director general of PBO ➤ Director general of Gilan Judiciary Office ➤ The other 30 visitors	Project sites visit
13 Dec. 2017	➤ Mr.Takuya Yamada, Water Policy Advisor of WRMC	Project sites visit
1 Feb. 2018	➤ Dr.Kalantari, Head of DOE, Vice president of Iran	Project sites visit

Source: JICA Expert Team

	
JCC meeting on 1 Jun, 2017	Project site visit on 3 Aug, 2017
	
Sorkhankol Wildlife Refuge Guard Station on 13 Dec. 2017	Anzali Wetland Environmental Education Center in Selke on 1 Feb. 2018

Source: JICA Expert Team

Figure 7.3-2 Photos of Visitors to the Project

(5) Visitors in the 5th Year of the Project

During the 5th year of the project, there were some visits to the project and project sites by officials as shown in Table 7.3-5.

Table 7.3-5 Visits to the Project by Officials during the 5th Year of the Project

Date	Name of Visitor	Purpose
7 – 8 Aug. 2018	<ul style="list-style-type: none"> ➤ Mr. Yukiharu KOBAYASHI, Chief Representative of JICA Iran Office ➤ Ms. Azumi SADRIA, Project Formulation Advisor of JICA Iran Office 	JCC meeting on 8 Aug.
7 – 11 Aug. 2018	<ul style="list-style-type: none"> ➤ Mr. Tatsuo SEINO, Advisor for DOE HQ from Ministry of Environment of Japan 	JCC meeting on 8 Aug. Visit of the project site
28 – 30 Aug. 2018	<ul style="list-style-type: none"> ➤ Ms. Misa MEMMIYA, Director of Natural Environmental Team of JICA headquarter ➤ Mr. Kohei KAWAZUMA, Natural Environment Team 2 of JICA headquarter ➤ Ms. Azumi SADRIA, Project Formulation Advisor of JICA Iran Office 	Preliminary mission from JICA HQ for the terminal evaluation
18 Nov. – 2 Dec. 2018	<ul style="list-style-type: none"> ➤ Mr. Takahiro MORITA, Senior Deputy Director General, Global Environment Dept. JICA headquarter ➤ Mr. Shinji ABE, Natural Environment Team 2 of JICA headquarter ➤ Hiroyuki TANAKA, Senior Representative of JICA Iran Office ➤ Ms. Azumi SADRIA, Project Formulation Advisor of JICA Iran Office ➤ Ms. Ayako Namura, Consultant for JICA 	Mission from JICA HQ for the terminal evaluation

Date	Name of Visitor	Purpose
27 – 28 Feb. 2019	➤ Mr. Yukiharu KOBAYASHI, Chief Representative of JICA Iran Office	Final Seminar in PBO Gilan
	➤ Ms. Azumi SADRIA, Project Formulation Advisor of JICA Iran Office	
19 – 20 April, 2019	➤ Hiroyuki TANAKA, Senior Representative of JICA Iran Office	Opening ceremony of the Anzali Wetland Visitor Center
	➤ Ms. Azumi SADRIA, Project Formulation Advisor of JICA Iran Office	

Source: JICA Expert Team

8. RECOMMENDATIONS FOR ANZALI WETLAND CONSERVATION AFTER COMPLETION OF THE PROJECT

8.1. Sustainability of the Anzali Wetland Conservation

Though the project activities have become more active than before, thanks to initiative by Development Deputy Provincial Governor and PBO Gilan, it is not guaranteed yet that the same situation is continued in future, especially in case top management is changed, under the current top-down institutional system and without strong legal support to secure the sustainable conservation of the Anzali Wetland. After the completion period of the project, various measures need to be implemented to secure the sustainability of the Anzali Wetland conservation such as legal strengthening of the AWMC, establishment of a wetland conservation section in DOE Gilan, based on Mid-term Plan for 10 years between 2020 and 2030.

8.2. Effective and Sustainable Operation of the AWMC

8.2.1. Implementation of activities on Anzali Wetland conservation under the AWMC

In the 1st year of the project, the activities started out smoothly during May to June 2014 by establishing the SCs and assigning personnel from the counterpart organizations. This is mainly because the Provincial Governor's office put the project a high priority and instructed relevant governmental organizations to engage in the project.

Thanks to adequate direction and leadership by Mr. Hojat Shabanpoor, (former) Deputy Governor for Development of Gilan Province, the former Anzali Wetland Restoration Committee meeting has been merged under the AWMC meeting and also it seems that importance of the roles of each technical sub-committee is gradually recognized by the participants of the meeting. However, it is found sometimes that some activities closely related to the Anzali Wetland conservation were planned by some organizations solely, even the organization who does not have jurisdiction and expertise on the field, without sharing information with concerned organizations and SCs. Since such activity is contrary to the concept of the AWMC, it is expected that DOE Gilan as the secretariat of AWMC would communicate with relevant organizations and adjust to adequate direction together with chairperson of the AWMC, if necessary.

8.2.2. Review of the Provincial Decree on AWMC

Though the AWMC was established under the provincial decree dated 6 July 2011, it seems that the provincial decree has not been well recognized and operated by the AWMC members so far. It is suggested that contents of the provincial decree be reviewed and any revision and addition

be examined to amend the current provincial decree or prepare new decree. In addition, though the AWMC is placed under the development council of the provincial governor's office, legal status of the AWMC may need to be changed; eg. The AWMC is placed under National Wetland Committee, which is planned to be established according to the national wetland report for Ramsar COP12 in 2015. Though it would be best that the AWMC is continued to be chaired by the provincial governor since the Anzali Wetland should be managed closely by local authorities and people, more active support from the central government such as DOE HQ would be required.

AWMC meetings have recently been held more often than before, targeting to hold once every two weeks on Thursday, under actively chaired by the former Development Deputy Provincial Governor. However, AWMC meeting is not necessarily always decision-making place for the wetland conservation due to short notice announcement without clear agenda and sometimes making presentations by unmember parties for new business promotion. In addition to arrangement issue of the AWMC meeting, there is possibility on discontinuation of the AWMC after completion of the project due to change of deputy provincial governor and/or other reasons, continuation of the AWMC has not yet been secured after completion of the project. For the above situation, adequate operational structure and method should be examined among main stakeholders for the AWMC meeting such as deputy provincial governor, including revision of the provincial decree and statute of AWMC. Legal clarification of roles and responsibilities of DOE Gilan as secretariat of the AWMC would be one of the most important issue as well as establishment of budgeting system for the Anzali Wetland conservation through the AWMC.

8.2.3. Review and improvement of activity and performance of the sub-committees

Among six technical sub-committees (SCs) of the AWMC, while some SCs are active for the SC meeting and their activities, some SCs are less active. Therefore, roles, tasks, and responsibilities of each SC should be reviewed and discussed among each SC members, even be discussed if the current SC be continued or reformed. Common issues to all the SCs should be examined and discussed in further meetings of the AWMC.

8.3. New section in charge of the wetland conservation under DOE Gilan

Currently, there is no specific section and/or personnel in charge of the wetland conservation, including that for the Anzali Wetland, under DOE Gilan office, though it was continuously suggested by the JICA Expert Team during the project. Therefore, each issue on the wetland has individually been tackled on a day-to-day basis ununiformly without coordination and accumulation of the knowledge and experience. Thus, there is no institutional structure to implement the comprehensive wetland conservation. Under such situation, Establishment of a specific section for the wetland conservation in DOE Gilan should be discussed between DOE HQ and DOE Gilan office, including preparation of legal document which appoint and define

mandate of such wetland conservation section and/or personnel in charge of the wetland conservation with securing necessary budget for operation.

Technical support and instruction from the Wetland Ecosystem Office of DOE HQ to DOE Gilan is required.

8.4. Implementation of the comprehensive ecosystem survey

Basic information on the ecosystem of the Anzali Wetland is required to update the Ramsar Information Sheet, which is one of the most important basic documents to proceed removal procedure from the Montreux Record of the Ramsar Convention. Therefore, the comprehensive ecosystem survey needs to be completed as soon as possible.

However, among the comprehensive ecosystem survey to be conducted by Iranian side including the plankton and benthos survey, plant survey, fish survey, and reptile and amphibian survey, all the surveys except for the fish survey have not been conducted yet.

8.5. Continuous Implementation of Regular Environmental Monitoring of the Anzali Wetland

Environmental monitoring of the Anzali Wetland including water and sediment quality, water level, and natural environment is required to grasp various aspects and the latest situations/tendency of the Anzali Wetland to examine adequate conservation and management methods and measures to be taken in timely manner, due to complexity of the nature in the Anzali Wetland and uncertain human impact in future. Such management method is called as “Adaptive Management”, which is suggested by the Ramsar Convention. In order to conduct the adaptive management, the environmental monitoring is indispensable to be conducted regularly and continuously.

In order to remove the Anzali Wetland from the Montreal Record, in addition to implement necessary actions and measures to improve environmental quality of the Anzali Wetland for various environmental aspects, improved situations of the Anzali Wetland need to be proved by using data of the environmental monitoring.

Considering the above, it is highly recommended to continuously implement the regular environmental monitoring activities for the Anzali Wetland as soon as possible.

Results environmental monitoring in the Anzali Wetland is also one of the most important information for the removal from the Montreaux Record. However, the environmental monitoring has not become regular activity of the DOE Gilan without distribution of necessary human resources and budget due to less understanding on its importance.

- (1) Monitoring of water and sediment qualities

Monitoring activity has not been commenced, though Anzali Wetland Monitoring Office (AWMO) was recently established in the DOE Anzali branch office under the DOE Gilan office. Commencement of the activities will continuously be requested to DOE Gilan and necessary action will be supported.

8.5.1. Removal from the Montreux Record under the Ramsar Convention

In order to remove the Anzali Wetland from the Montreux Record under the Ramsar Convention, in addition to implementation of necessary actions and measures to improve environmental quality of the Anzali Wetland for various environmental aspects, improved situations of the Anzali Wetland need to be proved by using reliable scientific data based on results of the environmental monitoring. However, though various measures have been implemented for the Anzali Wetland conservation under the project and DOE Gilan's own activities, effectiveness of the measures have almost never been evaluated in scientific manner since the periodical environmental monitoring has not been conducted by respective authorities, mainly by DOE Gilan, except for a part of the ecological monitoring on birds. It is strongly recommended to commence the environmental monitoring activities for the Anzali Wetland as soon as possible.

8.5.2. Establishment of budgeting system for regular activities of the Anzali Wetland conservation

In order to realize to implement the environmental monitoring regularly and continuously, a budgeting system to provide necessary budget for the environmental monitoring every year constantly is required. A special-purpose fund system for the Anzali Wetland conservation is required to provide a constant budget for implementation periodical environmental monitoring and regular management activities continuously every year, in addition to the current budgeting system at project- and/or activity-base request annually. It is strongly suggested that necessary legal tool(s) needs to be examined and prepared by DOE HQ.

8.6. Capacity enhancement of DOE guard for control of illegal hunting

It was found through the drone patrol activity under the project that many illegal hunting activities have unlikely been attempted in the wetland. It is pointed out in a scientific article in the Nature that one of critical reasons for decreasing waterbirds in the central Asia including Iran is due to illegal hunting under lack of management of the protected areas. It is necessary to strengthen capability of the DOE guard stations in the wetland.

8.7. Utilization of Mid-term Plan for Conservation of the Anzali Wetland for 2020-2030

The Mid-term Plan for Conservation of the Anzali Wetland for 2020 – 2030 (Mid-term Plan) was prepared as a final product of the Anzali Wetland Ecological Management Project - Phase II (Phase II Project) as shown in Attachment 1.2-2. The Phase II Project was a 5-year technical

cooperation project of the Japan International Cooperation Agency (JICA) between May 2014 and May 2019. JICA has supported Iranian government on conservation of the Anzali Wetland since 2003 through “The Study on Integrated Management for Ecosystem Conservation of the Anzali Wetland (2003-2005)” (Master Plan Study) and “Anzali Wetland Ecological Management Project (2007-2008, 2011-2012)” (Phase I Project). The Mid-term Plan will succeed the previous Master Plan for 2005 - 2019, which was prepared under the Master Plan Study. In the 1st year of the Phase II Project, actual implementation status of the Master Plan was reviewed and an Action Plan for 5 years, which is the last 5-year of the Master Plan and period of the Phase II Project, was prepared to facilitate the conservation activity of the Anzali Wetland. During the Phase II Project, various Joint Pilot Activities were implemented, which were selected among high priority activities, to learn technical aspect and PDCA cycle for Iranian personnel who are in charge of the wetland conservation from their jurisdiction from their organizations.

Although the contents of the Mid-term Plan were discussed in the respective Technical Sub-committees (SCs) of the Anzali Wetland Management Committee (AWMC) and agreed by members of the SCs, the Mid-term Plan has not been approved for its implementation under the AWMC yet. We, JICA Expert Team, expect that the Mid-term Plan be approved by AWMC and be implemented as scheduled in the Mid-term Plan to contribute to the conservation of the Anzali Wetland. For it, it is expected that the Mid-term Plan widely be disclosed to the stakeholders of the Anzali Wetland to facilitate active and voluntary participation to the conservation activities as much as possible.