

Albania
Aide Memoire for Dam Safety Project (ECSEE-APL5)
Summary of Key Issues and Progress
May 8-12, 2017

1. This Aide Memoire reflects the main findings during the project supervision mission on May 8-12, 2017¹ and builds on and includes the findings of meeting on March 13-17, 2017. Team members visited the project site, participated in technical meetings with KESH, contractors, met with co-financiers of the Dam Safety Program, and jointly with KESH reviewed project implementation progress. The team would like to thank KESH and the authorities for their assistance during the visits. This Aide-Memoire is subject to confirmation by the Bank management.

Table 1. Dam Safety Project - Key Project Data			
Project Number	P110481	Credit/Loan Number:	44800/81110
Effectiveness Date IDA Credit:	12/16/2008	Closing Date (Original):	12/31/2013
Effectiveness Date IBRD AF:	05/31/2012	Closing Date (AF):	06/30/2019
IDA Credit 4480 Credit Amount:	XDR 21.7 million	Total Disbursements:	19.42 million
		Special Commitments	0
		Funds Available	2.27 million
		(%) Disbursement	89.5%
IBRB Loan 81110 Loan Amount:	EUR 15.5 million	Total Disbursement	Euro 3.9 million
		Special Commitments	Euro 10.8 million
		Funds Available	Euro 0.70 million
		(%) Disbursement	25.1%
Date of Restructuring/AF:	11/20/2011		
PDO Rating	Moderately Satisfactory	Overall IP Rating	Moderately Satisfactory

I. Summary of Findings

1. Project objectives

- (a) ECSEE APL5 (Dam Safety Project) supports the development of the Energy Community in accordance with the objectives of ECSEE Adaptable Program Loan (APL). The key objective is to establish integrated regional markets in South East Europe, closely linked to the internal energy market of the European Union, and complying with the rules applicable within the European Union. The progress in Albania, particularly over the last 2 years, is significant.

The new Power Sector Law transposing the Third Energy Package in the electricity sector was adopted in April 2015 and entered into force on 13 June 2015. The Power Sector Law transposes the provisions required for liberalization of the electricity market in Albania. The Energy Regulatory Entity (ERE) and the Ministry of Energy and Industry started the process of harmonizing the secondary legislation required for the reforms and liberalization of the electricity market.

¹ The Bank team included S. Rivera (TTL), Gazmend Daci (Sr Energy Specialist), Arben Maho (Procurement specialist), Charles Husband (Corporate Finance Specialist, consultant), and Dzenan Malovic (Hydro specialist).

In July 2016, the Council of Ministers adopted the market model for the regulation of Albania's electricity market; the Council adopted an action plan for implementation. An action plan for establishing a power exchange, was also part of this package. It is envisaged to establish an organized day-ahead market by the 1st half of 2018.

- (b) The objectives of the Dam Safety Project remain relevant: (i) to contribute to safeguarding the hydroelectric dams on the Drin River cascade; and (ii) to improve the operational efficiency of the hydroelectric dams and enhance the stability of power supply in the regional market. The WB financed project is part of a larger Euro 81 million Dam Safety Program financed by EBRD (Euro 12.7 million), SECO (CHF 6.4 million), KFW (Euro 20 million) and World Bank (Euro 42.3 million).

The World Bank supported project has two main components:

- (i) Physical infrastructure investments at Fierza, Komani and Vau Dejes HPPs; and
- (ii) Technical assistance support for the Dam Safety Program.

Main Findings:

Fierza & Komani's Spillways package. The project is facing slow implementation progress on the rehabilitation of Fierza, Komani Spillways work. It is critical for KESH, and the Ministry of Energy, to take prompt action on completion of the Bid Evaluation Report—as per bidding documents and qualification criteria—on the World Bank's financed component and, in the case of Vau Dejes, financed by KFW, in the appointment of the owner's engineer for preparation of bidding documents. During the mission, the Bank team reiterated that all bidders need to fulfill previous experience evidence as per bidding documents.

These works take an added urgency due to the combination of the reduced spillway capacity of both Fierza and Komani's HPPs, derived from gates operation's constraints and from tailrace limited capacity, which make them unable to safely operate under medium-flood conditions, thus risking safety of the dams and population downstream. Future World Bank additional financing to cover rehabilitation of the Fierza and Komani's Spillways is contingent on the successful contract award to the responsive bidder and, furthermore, achievement of project's objectives—and continuing World Bank supports—is contingent on this component being timely implemented.

Komani's E&M rehabilitation. Both KESH and the contractor (Andritz) met on December 6, 2016 and May 6-7, 2017 (see annex with list of participants) to address disagreements on implementation issues, the Bank team was asked to attend both meetings as observer. Copy of minutes of meetings is included in annex 3.

Following on these meetings, unit # 3 was commissioned on February 22, 2017; the completion certificate was issued on April 4, 2017. After the failure of the contractor to put in appropriate operation the new system for thrust bearing oil coolers, the contractor and KESH reconfirmed their agreement during the May 6-7 meetings to use the old coolers in both rehabilitated units (Unit#2 and Unit#3). KESH is satisfied with the operation of the existing refurbished coolers. As next step an addendum will be made to the Contract to exclude the thrust bearing coolers. In order to ensure timely completion of the next unit, the mission encouraged the contractor to ensure timely disclosure of the dismantling report of Unit # 1 by June 30 at the latest, this has been a source of constant delays in the past.

Technical assistance components have advanced: i) the Albanian Committee of large dams (AlbCOLD) has approved the Implementation of Emergency Preparedness Plan for the Drin Driver Dams, a consultation process as local community level will take place on the 2nd half of the year; ii) comments were provided.

The World Bank has extended the closing date of the Project until 30 June 2019; the letter of confirmation was sent to Minister of Finance on December 27, 2016. The proposed extension of closing date to June 30,

2019 is needed to: (i) complete E&M rehabilitation of the remaining two turbines out of four at the Komani HPP by September 2018; and (ii) provide adequate time for contract award and implementation of the rehabilitation of the Fierza and Komani Spillways by December 2018. Completion of these activities will enable full accomplishment of the PDO. This was the third extension of the project for a cumulative total of 66 months. Also, it was noted that specific actions were to be fulfilled as conditions for project extension: (i) to complete the rehabilitation of second unit and to start the third unit; (ii) to finalize the BER and the contract award for Spillway Gates package and based on that the Additional Financing may be needed depending on the outcomes of the Spillways rebidding.

The Dam monitoring systems and Institutional arrangements for Dam Safety are in operation; Komani's Dam toe rehabilitation has been completed successfully; Komani's Unit #2 and Unit #3 have been rehabilitated and works on the third unit (Unit#1) are progressing well; the rock fall damages protection is fully implemented; and the bid evaluation process for the Spillways rehabilitation in Komani & Fierza HPPs is underway.

2. Detailed Implementation Progress.

Over the last six months' implementation progress under the project has taken a positive turnaround as shown by:

- ***Progress on E&M rehabilitation at Komani HPP:***

Mobilization of contractor's staff, in early July 2016 was concluded with complete rehabilitation of the 2nd unit at Komani HPP (Unit#3);

A Tri-partite meeting in early May 2017 (8-9 May 2017) was held between KESH & owners' engineer (AFC), Andritz Hydro (AH the contractor) and World Bank (observers). The minutes of meeting are shown in Annex ; the main topics discussed and agreed were: (i) KESH and AH mutually agreed to use the old coolers (properly cleaned and refurbished) for all units without additional costs to KESH; the price schedule will be amended to deduct the cost of new coolers as subsequent change order; (ii) due to the delay of replacement of the new coolers with old coolers the completion of Unit#3 was delayed and that is subject of liquidated damages; (iii) the additional time and cost requested by AH to implement Change Order Nb3 was not accepted by KESH since the change order approved by the Bank was agreed and signed by both parties; (iv) the extension time requested for Unit#1 was agreed by both parties; (v) the dismantling report was requested to be submitted in one month after the handing-over the unit but the contractor stated that this report will be submitted by mid-June 2017; (vi) a commitment was made by the contractor to resolve the issue of low pressure in shaft seal components (unit#3); and (vii) there were some other contractual, price adjustment and payment issues discussed and agreed. The meeting was concluded in amicable manner.

The permission to dismantle the third unit (Unit#1) was provided by KESH on April 11, 2017; the dismantling report and expected change proposal are both in preparation phase. The contractor is mobilized on procurement and acquisition of equipment/machining for Unit#1. Poles and wicket gates are sent for refurbishment to the subcontractor outside Albania, the runner and other equipment are cleaned (sand blast) and ready for reassembling; the machinery will come to Komani HPP on early July and machining works will be carried out. Based on the pace of work reported during the mission and ongoing implementation schedule the third unit erection will start in September and be completed by February 2018. Immediately after it, the last (fourth) unit will be open for rehabilitation (Annex 3). The World Bank project team will be visiting the project site at that time to verify implementation progress and confirm implementation progress by the contractor;

- ***Fierza & Komani Spillways Rehabilitation package***

Following three unsuccessful bids, bids were opened on October 6, 2016, five companies are under evaluation and clarification stage, and a final BER is expected to be submitted to the Bank by the end of June 2017 and the contract with recommended award in mid-August, 2017;

- ***Strengthening of the institutional set-up of DS and adoption of the Emergency Preparedness Plan:***

After repeated delays, KESH management launched the process of consultation with the Albanian Committee of large dams (AlbCOLD), to be followed in 2017 by consultation with the local government authorities in areas that could be affected by an event. This process is planned to be completed by the 2nd half of 2017. On February 27, 2017, the AlbCOLD approved the Implementation of Emergency Preparedness Plan for the Drin Driver Dams (Annex 4 – The AlbCOLD Decision Nb1 date 27/02/2017– Albanian version);

- ***Flood management Study progress:***

Following on the Inception Report submitted on April 2015, the consultants will present to KESH preliminary results of the pre-feasibility report on or around December 12, 2016, the presentation will be attended by both AlbCOLD members, Panel of experts, and World Bank project staff. The consultants contract (Fichtner) will be extended to September, 2017, due in part to delays by the Albanian counterpart in approving the recommended “design flood” to dimension the additional spillways in both Fierza and Komani HPPs; and (ii) the availability of hydraulic laboratories, which will carry out the hydraulic model tests for the proposed additional spillways in Fierza and Komani; and

- ***Komani’s Dam Toe water leakage:***

The mission received copy of the description of the SECO’s Technical Assistance for improving and upgrading the dam safety and monitoring systems in Drin River including the leakage analysis and mitigation measures of the Komani Dam, as well as a copy of a memorandum on Komani Dam – Study of Leakage including Investigation Measures addressed to KESH by AF Consultant in June 2016 The memorandum explained AF Consultant’s intention of review and analysis of available data including geological/geotechnical investigations (geological mapping, seismic profiles, core drillings, permeability tests, interpretation etc.) and results of the piezometers installed at Komani dam.

The mission recommended that: (i) KESH will request AF Consultant to undertake and submit the leakage analysis, including assessment of leakage path with tracer and analysis of piezometers data; (ii) AF Consultant should make use of monitoring data and analyses done by the Polytech University and Dam Safety Department of KESH and prepare a summary report with a time-bound action plan, including underwater investigation arrangements; and (iii) KESH’s dam safety department should increase the frequency of measurement of leakage water volume from monthly to weekly and preferably daily basis.

- ***Safe flood Management Study***

The mission met with KESH to review status of the flood management consultancy by Fichtner. On December 13-14, 2016 a meeting was held between KESH PMU, KESH Dam Safety Department and the Project Panel of Experts and Fichtner consultants, comments provided by the Panel are attached.

The Bank provided detailed comments on each stage of the Pre-Feasibility Report and on Supplementary Note to the Final Pre-Feasibility Report. One of the planned follow-up actions in the Supplementary Note was that KESH /Fichtner would check with the Albanian Commission on Large Dams regarding the required hydrological safety level of the hydropower dams, i.e. Fierza and Komani, in the Drin River cascade. The Bank is of the view that the Albanian Government should make the decision on the required hydrological safety level of those dams considering their potential risk and hazard as well as technical,

economic, and social conditions. The mission noted that no specific international standards exist which determine the required safety level of particular dams in different countries.

The Feasibility Study and the designs for the new Spillways in Kmani and Fierza Dams is to be finalized by the end of September 2017. The mission recommended that KESH should request that Fichtner provides cost estimate of the spillway tunnels construction and the financial and economic analysis for both Fierza and Komani dams based on: i) design flood as 10,000 years return period and ii) check flood as PMF.

The current safety level was set as 1,000 years return period for design flood and 10,000 years return period for check flood according to the Fichtner's Pre-Feasibility Report. Given the Fichtner's cost estimate of the two spillway tunnels construction is in the range of between around US\$140 million and US\$190 million, it is important that Fichtner provides the cost estimate of design options in order for the country's key stakeholders to make informed decision for the safety and investment level. Further, since Fichtner has already prepared the rainfall-runoff and flood routing model of those dams for different return periods, the Bank considers that Fichtner should be able to easily check the required discharge capacity of new spillway tunnels and cost estimate for the aforementioned option as part of their existing contract.

- ***Fierza's additional investment needs***

While in the field, KESH's Administrator reiterated to the mission the serious operational issues affecting two of the Turbines at Fierza, resulting in one of the units frequently being out of operation, and requested Bank support for the replacement of two of the turbines, and associated refurbishment of generators and ancillary equipment. The mission discussed with both the Minister of Energy and KESH's administrator, options to: i) finance and carry out the assessment as part of the ongoing TA support under the Dam Safety Project; and ii) explore the possibilities to finance the rehabilitation, estimated at around euro 20 million. As next step KESH will carry out an assessment of the rehabilitation and budget needs to be followed by an official request to the Bank. The new assessment was kept under the ongoing contract with AFC and the results are expected to be provided by the end of July, 2017.

Disbursement. Disbursements under the IDA credit reached the value US\$ 30 million (89%) by June, 2017; IBRD funds have started to be withdrawn and the disbursements reached the value US\$4 million (23%). Annex 6 provides a summary of commitments by Infrastructure Investment (works) and TA on signed contracts and funds available from IDA/IBRD support.

Disbursement Table – June, 2017

IDA 4480 - P110481	XDR	USD	EUR
Signed Amount	21,700,000.00	30,017,393.00	26,763,000.60
Disbursed	19,421,062.42	26,864,961.43	23,952,345.86
Undisbursed	2,278,937.58	3,152,431.57	2,810,654.74
Special Commitments	0	0	0
Funds Available	2,278,937.58	3,152,431.57	2,810,654.74
	89.50%	89.50%	89.50%
IBRD 81110	XDR	USD	EUR
Signed Amount	12,567,703.43	17,384,800.00	15,500,000.00
Disbursed	2,929,802.86	4,052,772.01	3,613,384.46
Undisbursed	9,637,900.58	13,332,027.99	11,886,615.54
Special Commitments	9,068,073.85	12,543,791.40	11,183,836.84
Funds Available	569,826.73	788,236.59	702,778.70
	23.31%	23.31%	23.31%
TOTAL Dam Safety	XDR	USD	EUR
Signed Amount	34,267,703.43	47,402,193.00	42,263,000.60
Disbursed	22,350,865.28	30,917,733.44	27,565,730.32
Undisbursed	11,916,838.16	16,484,459.56	14,697,270.28
Special Commitments	9,068,073.85	12,543,791.40	11,183,836.84
Funds Available	2,848,764.31	3,940,668.16	3,513,433.44
Percentage of Disb	65.22%	65.22%	65.22%

II. Financial Management & Financial viability of KESH

Financial management: - The mission discussed with KESH the existing allocation under the TA component, Financial Management, to support KESH's efforts to establish a new financial management system, reduce the number of audit qualifications and comply with the conditions precedent for the EBRD's second tranche loan in a timely manner. Given the importance of achieving a clean audit, under IFRS, for 2017 *it was agreed* that KESH would forward the draft TORs for this TA support to the Bank for its review by first half of 2017.

KESH's Financial Status - Despite no increase in energy tariffs for 2015, the audited financial results for 2015 show: a) a significant turn-around owing to above average hydrological conditions, and an increase of 31 percent in domestic sales; and b) compliance with all financial covenants. The same positive situation was reported for 2016. The audited financial statements for 2016 are not yet submitted to the Bank. In mid-2016 the licensed for Wholesale supplier was removed and since July 1st, 2017, KESH is responsible only for electricity production and trade.

Next Steps

Table 2. Summary of Next steps

	Actions	Responsibility	Date
1	Submit to the Bank the Dismantling Report and Change Proposal for Unit#1	KESH	June, 2017
2	Submit to the Bank the final BER for Spillway Gates Rehab for final review and approval	KESH	July 1, 2017
3	Submit to the Bank the Quarterly Progress Report	KESH	July, 2017
4.	Preparation and submission of Financial Management TORs for KESH	KESH	July, 2017
5	Submit to the Bank the Report for Fierza HPP	KESH	July 2017
6	Prepare and approve the Additional Financing	WB	September, 2017
7	Submit to the Bank the Final Report of Flood Management Study	KESH	September, 2017

Next Mission

A full supervision mission and the preparation of the Additional financing will take place in September, 2017. The team expect that KESH has finalized the new contract for Spillway Gates Rehabilitation.

List of Annexes

- Annex 1 List of People Met
- Annex 2 Komani HPP Rehabilitation - updated draft Implementation Schedule
- Annex 3 Komani HPP Rehabilitation - Minutes of Meeting – May 8-9, 2017
- Annex 4 The AlbCOLD Decision Nb1 date 27/02/2017 (Albanian version) on Implementation of Emergency Preparedness Plan
- Annex 5 The status of the Assistance for Dam Safety Project by the other IFIs
- Annex 6 Summary of commitments by Infrastructure Investment and TA
- Annex 7 Project Results and Framework Monitoring

Annex 1
List of People Met

	Name	Organization	Position
1	Damian Gjikhuri	Ministry of Energy	Minister
2	Illir Bejtja	Ministry of Energy	Deputy Minister
3	Eduart Gjokutaj	Ministry of Energy	Minister Adviser
4	Agron Hetoja	KESh	CEO
5	Fatos Bundo	KESh	PMU manager
6	PMU Specialists	KESh	PMU Staff
7	Illir Belba	KESh	Generation Dep. Director
8	Arjan Jovani	KESh	Dam Safety Dep. Director
9	Ani Spahiu	KESH	Financial Department
10	Helmut Obermoser	AFC	Project Manager
11	Ramu Pulpula	AFC	Project Site Supervisor
12	Mariapillar NandakKumar	AFC	Project Procurement
	Andritz Hydro		

Annex 2
Komani – Updated Implementation Schedule

Third Unit (Unit No.1) Time Schedule														
Task Name	Duration	Planned start	Estimated finishing	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Unit 1 (Third Unit) hand over	1 Day	11.04.2017	11.04.2017											
Dismantling Report		11.04.2017	30.06.2017											
Turbine Runner (Refurbishment)	17 Days	06.06.2017	27.06.2017											
Servomotors (turbine) (Refurbishment)	10 Days	16.06.2017	28.06.2017											
Guide Vanes (Refurbishment)	70 Days	02.06.2017	29.08.2017											
Turbine Shaft (Refurbishment)	32 Days	05.06.2017	14.07.2017											
Machining Works Main Inlet Valve	96 Days	30.06.2017	30.10.2017											
Generator Stator Winding	53 Days	17.05.2017	22.07.2017											
Rotor Poles	111 Days	17.05.2017	04.10.2017											
Excitation Sysytem	185 Days	17.04.2017	06.12.2017											
Rehabilitation of Generator Transformer	133 Days	13.04.2017	27.09.2017											
Commissionig		08.12.2017	20.01.2018											
Comppletion of third Unit (Unit 1)			20.01.2018											

Annex 3 - Komani HPP Rehabilitation - Minutes of Meeting – May 8-9, 2017

KESH-WB-AFC-ANDRITZ HYDRO EM Rehabilitation and Installation of CMS at Komani HPP Minutes of Meeting		Revision No.: 00 Date: 08& 09.05.2017 Page: 1 of 5	
Minutes of Meeting			
Location: Tirana, Albania	Office: KESH Office) - Tirana	Room: Meeting Room	
Meeting Date:	Date: May 8 and 9, 2017	Time (local): 10:00 – 17:00	
Subject: Joint Project Meeting			
Participants			
Name	Title	Company	Participation
Mr. Agron Hetoja	CEO	KESH	Full time
Mr. Vladimir Hodaj	Legal Dept. Director	KESH	Full time
Ms. Erideda Bashi	Director Strategic Mgmt Division	KESH	Full time
Mr. Ilir Belba	Director Generation Division	KESH	Full time
Mr. Tonin Dodani	Director Maintenance Department	KESH	Full time
Mr. Ani Spahiu	BD Director	KESH	Full time
Mr. Fatos Bundo	Director of PMU	KESH	Full time
Mr. Arben Gazheli	Mech. Engineer PMU	KESH	Full time
Mr. Edlir Dushi	Electrical Engineer PMU	KESH	Full time
Mr. Salvador Rivera	Team Leader	World Bank	Full time
Mr. Gazmend Daci	Co-team Leader	World Bank	Full time
Mr. Dzenan Malovic	Energy Specialist	World Bank	Full time
Mr. Helmut Obermoser	Project Manager	AFC	Full time
Mr. Ramu Pulpulupa	Site Supervisor	AFC	Full time
Ms. Petra Mazzolini	Contract Specialist	AFC	Full time
Mr. M. Nandakumar	Procurement Specialist	AFC	Full time
Mr. Anton Schindele	Vice President	AH	Full time
Mr. Peter Jaunecker	Project Manager	AH	Full time
Mr. Daniel Porto	Project Manager Turbine Dept	AH	Full time
Ms. Angelika Senoner	Legal Expert	AH	Full time
Mr. Rubin Dibra	Site Commercial	AH	Full time
Item No.:	Subject	Action	Until
DAY 1 – 08.05.2017			
01	GENERAL ASPECTS		
01 a	<ul style="list-style-type: none"> Mr. Hetoja welcomed the participants and gave brief explanation about the subject of the meeting. 	-	-
01 b	<ul style="list-style-type: none"> Andritz Hydro (AH) informed that during absence of the AH Project Manager, the AH Commercial Manager acts as Project Manager ad interim. 	AH	

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KESH-WB-AFC-ANDRITZ HYDRO EM Rehabilitation and Installation of CMS at Komani HPP Minutes of Meeting		Revision No.: 00 Date: 08& 09.05.2017 Page: 2 of 5	
	This shall formally be communicated to KESH as stipulated in the Contract.		
02	CONTRACTUAL ISSUES - THRUST BEARING OIL COOLERS FOR ALL UNITS		
02 a	<p>KESH and AH mutually agreed to comply with what was agreed by both parties in Item No. 2 in the Minutes of Meeting signed on March 16, 2017.</p> <p>In addition, AH confirmed that the cleaning, pressure testing and re-installation of the old CIAT coolers for all units will be carried out without any additional costs to KESH. AH will not be held responsible for any warranty, technical guarantees and liabilities for the old CIAT coolers, provided that they are properly cleaned, pressure tested and re-installed in the presence of assigned KESH personnel.</p> <p>The Price Schedule will be amended accordingly by deducting the corresponding amount for the New Coolers from the Contract Price. This change will be reflected the subsequent Change Order.</p>	-	-
03	CONTRACTUAL ISSUES – COMPLETION DATE RELATING TO UNIT 3 (THRUST BEARING OIL COOLERS)		
03 a	<p>KESH stated that due to the replacement of the New Coolers with the Old Coolers (see Item 2 a above), AH delayed Completion of the Unit 3 to April 4, 2017. As a result KESH incurred delay in Completion, for which AH shall be subjected to liquidated damages applicable from February 21 until March 16, 2017, the date of the Minuted Meeting.</p>	-	-
04	CONTRACTUAL ISSUES - EXTENSION OF TIME AND ADDITIONAL COST FOR UNIT 3		
04 a	<p>KESH informed that in the Change Order No. 3 additional time of 207 days over and above the time stipulated in the Contract plus another two months was taken in to account.</p> <p>Thus, KESH informed that they will not accept the request for Extension of Time (EOT) or any additional costs since the Change Order No. 3 was signed by KESH based on the Change Proposals submitted by AH and approved by the World Bank.</p>	-	-
04 b	AH reserves the right to pursue this issue further.		
05	CONTRACTUAL ISSUES – EXTENSION OF TIME FOR UNIT 1		
05 a	An additional Extension of Time of 8 weeks in addition to 7 months stipulated in the Contract was agreed by both parties	-	-

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	(pending Change Order - CO-H-005).		
06	CONTRACTUAL ISSUES – UNIT 1 DISMANTLING REPORT (CONTRACTOR'S REPORT)		
06 a	As per the Contract AH is required to submit the Dismantling Report within one month after hand-over of the Unit for rehabilitation. AH stated in the time schedule that they will submit the Dismantling Report by mid-July 2017, which means almost 3.0 months from handing-over of the Unit. KESH expressed its inacceptance for this long delay. AH mentioned that they will discuss with the site personnel and will inform the submission date on May 9, 2017 (the second day of the meeting - see Item 12).	AH	-
DAY 2 – 09.05.2017			
07	CONTRACTUAL ISSUES – ON-SHORE/OFF-SHORE SWITCH OF PRICE POSITIONS		
07 a	AH mentioned that for some items of Schedule No. 1 (plant and mandatory spare parts supplied from abroad), Schedule No. 4 (installation and other services, on-shore & off-shore) and Change Orders 1 & 3 that the deliveries and services have been completed, however, the amount that should have been invoiced as per the Price Schedules were not invoiced by AH. As to Schedule No. 4 (installation and other services, off-shore), it was agreed by KESH that the Schedule No. 4 and the Letter of Credit will be amended from Off-Shore to On-Shore for the services completed, however, not yet invoiced. The detail breakdown of the items including the corresponding documents as per fiscal Albanian legislation shall be submitted to KESH for approval before the amendments can be implemented. As to Schedule No. 1 and Change Orders No. 1, 3 & 4, AH and KESH will try to find a solution for mis-invoiced items that is appropriate and feasible as per Albanian legislation.	AH	-
08	CONTRACTUAL ISSUES – PRICE ADJUSTMENT		
08 a	The price adjustment shall be as per provisions of the Contract and Appendix 2 to Contract Agreement. AH shall submit the price adjustments to KESH for review and approval.	AH	-
09	CONTRACTUAL ISSUES – PAYMENT FOR COMPLETION OF UNITS 2 & 3		
09 a	At present as per the Letter of Credit (LC), both KESH and AH have to sign the Completion Certificate in order for the payment to be released. As per the Contract only KESH signs and issues the Completion Certificate to AH and once AH submits the	AH/KESH	-

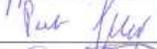
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	Completion Certificate along with the invoice the payment shall be released by the Bank. In order to rectify this contradiction, the LC will be amended by KESH to be consistent with the Contract.		
10	CONTRACTUAL ISSUES – SEQUENCE FOR THE ISSUANCE OF THE COMPLETION CERTIFICATE		
10 a	The sequence for the issuance of the Completion Certificate is clearly defined in the Contract.	-	-
11	TECHNICAL ISSUES – SHAFT SEAL IN UNIT 3		
11 a	A commitment was made by AH that after 5 th May 2017, if the pressure is still low, AH will open the shaft seal components and carry out an inspection and the necessary remedial measures shall be carried out as per the Contract. Such works to be undertaken by AH by calendar week 21, depending on the availability of the Unit.	AH	-
12	CONTRACTUAL ISSUES – DISMANTLING REPORT UNIT 1		
12 a	AH informed that the earliest they could deliver the Dismantling Report is by end of June 2017. KESH stated that AH is required to deliver the Report within one month as stipulated in Appendix 4 ("Contractor's Report") to the Contract Agreement.	AH	-

Review and acceptance of the MoM:

Participants		
Name	Company	
Mr. Agron Hetoja	KESH	
Mr. Vladimir Hodaj	KESH	
Ms. Erideda Bashi	KESH	
Mr. Ilir Belba	KESH	
Mr. Tonin Dodani	KESH	
Mr. Fatos Bundo	KESH	
Mrs. Ani Spahiu	KESH	
Mr. Arben Gazheli	KESH	
Mr. Edlir Dushi	KESH	

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Mr. Salvador Rivera	World Bank	
Mr. Gazmend Daci	World Bank	
Mr. Dzenan Malovic	IFC	
Mr. Helmut Obermoser	AFC	
Mr. Ramu Pulupula	AFC	
Ms. Petra Mazzolini	AFC	
Mr. M. Nandakumar	AFC	M. Nandakumar
Mr. Anton Schindele	AH	
Mr. Peter Jaunecker	AH	
Mr. Daniel Porto	AH	
Ms. Angelika Senoner	AH	
Mr. Rubin Dibra	AH	

Annex 4 - The AlbCOLD Decision Nb1 date 27/02/2017 (Albanian version) on Implementation of Emergency Preparedness Plan


REPUBLICA E SHQIPËRISË
MINISTRIA E TRANSPORTIT
DHE INFRASTRUKTURËS
KOMITETI KOMBËTAR I DIGAVE TË MËDHA

Nr 6 Prot. Tiranë, më 27/02/2017

Zotit Agron Hetoja
Administrator
Korporata Elektro Energjitike Sh. A (KESH-i)

Zotit Damian Gjilkuiri
Ministër
Ministria e Energjisë dhe Industrisë

Zotit Saimir Tahiri
Ministër i Punëve të Brendshme

Për dijeni:
Kabinetit të Kryeministrit

Zotit Sokol Dervishaj
Ministër i Transportit dhe Infrastrukturrës

Lënda: Për shqyrtim e miratim "Planin e gadishmërisë në raste emergjencash dhe hartave të përmbytyjeve për rastet e shkarkimit të plotave ose prishjes së mundëshme të digave mbi lumen Drin (HEC-in Fierzë, Koman, Vau Dejës).

Në përfaqësim të shkresës tuaj nr. 9787, datë 07.12.2016, ardhur në Ministrinë e Transportit dhe Infrastrukturrës, ju dërgojmë bashkëlidhur vendimin e Komitetit Kombëtar të Digave të Mëdha për shqyrtimin e miratimit e Hartave të zonave të përmbytyjeve, mbi lumen Drin (HEC-in Fierzë, Koman, Vau Dejës).

Inxh. Maksim Muci

K R Y E T




REPUBLICA E SHQIPËRISË
KOMITETI KOMBËTAR I DIGAVE TË MËDHA

VENDIM

Nr 1, Datë 27.02.2017

Për

Miratimin në lidhje me "Planin e gadishmërisë në raste emergjencash dhe hartave të përmbytyjeve për rastet e shkarkimit të plotave ose prishjes së mundëshme të digave mbi lumen Drin (HEC-in Fierzë, Koman, Vau Dejës)".

Në zbatim të ligjit nr.8681, datë 02.11.2000 "Për projektimin, ndërtimin, shfrytëzimin, dhe mirëmbajtjen e digave dhe dambave", si dhe nenit 28 të "Rregullores për sigurinë e digave dhe dambave" të miratuar me VKM nr. 147, datë 18.03.2004, Komiteti Kombëtar i Digave të Mëdha (KKDM), në mbledhjen e tij të datës 23.02.2017, mori në shqyrtim materialin e ardhur nga KESH-i në lidhje me Planin e gadishmërisë në raste emergjencash dhe hartave të përmbytyjeve për rastet e shkarkimit të plotave ose prishjes së mundëshme të digave mbi lumen Drin (HEC-in Fierzë, Koman, Vau Dejës). Materiali u prezantua nga përfaqësuesit e KESH-it sh.a.

Pas prezantimit analizës dhe diskutimeve të anëtarëve, Komiteti Kombëtar i Digave të Mëdha :

VENDOSI

1. Të miratoj hartat e përhapjes së valës me skenarët e mundshëm të marrë në konsideratë.
2. Të bëhet i njohur dhe të punohet me të gjitha organizmat administrative që kërkohen nga ligji nr.8681, datë 02.11.2000 "Për projektimin, ndërtimin, shfrytëzimin, dhe mirëmbajtjen e digave dhe dambave", si dhe nenit 28 të "Rregullores për sigurinë e digave dhe dambave" të miratuar me VKM nr. 147

datë 18.03.2004,dhe udhëzimit nr. 248 datë 28.01.2000 per hartimin e planit të alarmit e evakuimit si dhe implementimin e tij.

3. Të bëhen saktësime të eventeve sizmike dhe hidrologjike për të arritur korelacionin me ngjarje më të shpeshta (një herë në 20 vjet, një herë në 50 vjet) për të bërë të mundur saktësimin në të ardhmen të niveleve të përmbytjes dhe elementeve të saj.
4. Të punohet për propogandimin dhe përhapjen e problematikës të planit të alarmit, brenda kuadrit që detyron pronarin dhe shfrytëzuesin e digës në parashikimin e mundshëm dhe dhënien në kohë të alarmit.

Me respekt,

Inxh.Maksim Muçi

K R Y E T A R



Annex 5

The status of the Assistance for Dam Safety Project by the other IFIs t

SECO – Swiss Cooperation

The Project Agreement between Government of Swiss Confederation, Government of Albania and Albanian Power Corporation, was amended.

The Amendmen2 aims to assist KESH (i) to operate the dam safety monitoring system reliably and according to best international practices and putting in place the protection measures of dams and their appurtenant structures against rock fall at the Drin River Cascade; (ii) to improve and upgrade the Dam safety and Monitoring System and (iii) to remove the water Leakage (Seepage) at Komani Dam.

1.4 Mil CHF from 6.4 Mil CHF assigned for the implementation of Dam Safety Project, result as savings from the project implementation. Therefore, the available funds KESH intends to use in additional work for (THE PROJECT) with the aim of upgrading and completing the dam safety monitoring systems for all dams of Drin River Cascade, improving the dam monitoring process as well as analyzing and studying the leakage of Komani dam which are in line with the objectives and scope of Dam Safety Project Agreement.

The tasks are listed as follows: (i) T1 - Upgrade and complete the dam geological and seismic monitoring systems that are installed in the previous phases; (ii) T2 - Improve and upgrade the dam monitoring process and maintenance of monitoring systems in all dams of Drin River Cascade through extension of data acquisition system (DAS), installation and commissioning of automatic data transfer system to WebDAVIS server, data management operation for period 2016 – 2020 and maintenance of monitoring equipment to all HPPs for 5 years; (iii) T3 - A prolongation of the current license of KESH for the software WebDavis or provision of a new license for an alternative dam monitoring software shall be provided measures in order to eliminate / reduce the leakage of the Komani Dam; (iv) T4 - Upgrade and complete the dam geodetic monitoring system that has been installed in the previous phases through supply and installation of additional geodetic monitoring system in Rragami Dam and Preparation of Deformation mappings for 5 dams and landslides; and (v) T5 - Implementation of remedial measures in order to eliminate / reduce the leakage of the Komani Dam (the underwater inspection is included).

From the total amount of the grant by SECO for 6,400,000 CHF, are disbursed 4,727,734.26CHF, the outstanding amount is 1,672,265.74 CHF. From the amount 4,727,734.26CHF are financed:

- Geodetic Dam Monitoring, BSF Swiss Photo, Switzerland in the amount for 638,286.90 CHF.
- Dam Monitoring, Geological Monitoring and Seismic Monitoring Systems, Solexperts, Switzerland in the amount for 1,912,634.02 CHF.
- Stochastic Rock Fall Modelling, ETH Zurich, Switzerland in the amount of 42,605.63 CHF.
- Rockfall Protection Measures Fierza HPP in the amount of 2,134,207.71 CHF.

EBRD Loan Op.43125

The Loan Agreement between the Albanian Government and EBRD for the Dam Safety Project for the purpose of providing additional financing of the Komani Hydropower Dam Safety Upgrade ratified by Albanian Parliament with the Law No.103/2013, dated 25 March 2013. EBRD agrees to finance the amount of Euro 12,700,000 to the Albanian Government. From the total amount of the EBRD loan Euro 12,700,000 are disbursed Euro 6,003,902.30 for:

- Front-end commission in the amount of 127,000 EUR;
- Mitigation Measures for Komani dam toe and dredging works for tailrace channel, Porr Bau, Austria the amount of Euro 5,051,700.39
- Rockfall Protection Measures for Komani HPP, CAN, France, the amount of Euro 825,201.91.

The outstanding amount is 6,696,097.70 EUR. EBRD is expecting the results of spillway gates rehab tender.

GRANT of KFW

From the total amount of the grant by KFW for 320,000 EUR, are disbursed 89,328.70 EUR, the outstanding amount is 230,671.30 EUR. From the amount 89,328.70 EUR are financed:

- Feasibility study for establishing a Drin river Cascade Monitoring and Dispatch Centre Tender Agent, Interbusiness Germany in the amount of 9,716.20 EUR.
- Feasibility study for establishing a Drin river Cascade Monitoring and Dispatch Centre (CMDC), Fichtner GmbH, Germany in the amount of 79,612.50 EUR.

Annex 6
Summary of commitments by Infrastructure Investment and TA

					YR 2011		YR 2015			YR 2017	
			Notes	Status	Original Estimation k EUR	Original Contract k EUR	Actual Estimation k EUR	Actual Contract k EUR	Actual Disb k EUR	Revised Estimation k EUR	Remarks
DAM SAFETY PROJECT											
Comp1	Infra.Invest1	Electromechanical Rehabilitation of Komani HPP (ChO-1-4 + ChO-5-6)	(*)	Contracted	20,222	25,627	31,941	31,941	20,481	34,800	Expected CH-Orders
	Infra.Invest2	Spillway Gates Rehabilitation Fierza and Komani HPPs	(**)	Tendering	10,757	0	0	0	0	14,000	Contract with 20% Conting's
	Infra.Invest3	IT and Archiving for Dam Safety Component		Completed	100	42	42	42	42	42	Completed
		Uncontracted Amount			2,400	7,810	1,496	1,496		0	
	KESH	TOTAL Comp1			33,479	33,479	33,479	33,479	20,523	48,842	
Comp2	KESH TA-1	Project Management and Implementation (AF CONSULT)	(***)	Contracted	2,769	2,290	4,144	4,144	3,587	5,421	Expected Amendments
TAs	KESH TA-2	Dam Safety Panel of Experts		Contracted	326	326	482	482	467	570	Contract + Amendments
	KESH TA-3	Training PMU staff and Study tour		Completed	100	58	58	58	58	58	Completed
	KESH TA-4	Strengthening of DSP and Preparation of EPP		Completed	400	291	291	291	291	291	Completed
	KESH TA-5	Financial Management of KESH		TBD	500	0	500	0	0	400	Contract with Conting's
		Uncontracted Amount			540	1,673	496	996		0	
	KESH TAs	TOTAL Comp1			4,636	4,638	5,971	5,971	4,403	6,740	
Comp3	GoATA-1	Assesment of HPGeneration Potential in selected rivers (SOGREAH)		Completed	400	381	381	381	381	381	Completed
TAs	GoATA-2	Safe Flood Management Study for Drin River Cascade (FICHTNER)		Contracted	1,500	1,974	2,021	2,021	739	2,047	Expected Amendments
	GoATA-3	Skavica HPP - Study and Bidding Docs			1,600	0	0	0	0	0	To be Cancelled
		Uncontracted Amount			945	2,090	710	710		682	To be Reallocated
	GoA TAs	TOTAL Comp3			4,445	4,445	3,112	3,112	1,120	3,110	
		Designated Account (MoF)									
		TOTAL PROJECT			42,560	42,560	42,560	42,560	26,046	58,692	AF = Euro 17 Million
Note:	(*)	Additional change orders Euro 3.2 million are estimated for EM Komani contract									
	(**)	Additional Euro 15 million (including 20% contingencies) is needed for Spillways package									
	(***)	Additional Euro 2 million is estimated for contract Amendments with AFC									

Annex 7 – PROJECT RESULTS FRAMEWORK AND MONITORING

Project Development Objective (PDO)												
ECSEE APL: The ECSEE APL establishes the ECSEE APL facility for the implementation of priority investments in electricity generation, transmission and distribution and technical assistance for institutional / systems development and project preparation and implementation for development of a functional regional electricity market in South East Europe and its integration into the internal electricity market of the EU.												
1). Contribution to safeguarding the major hydroelectric dams of Albania and												
2). Improve their operation efficiency and enhance the stability of power supply for the regional electricity supply												
PDO Level Results Indicators	Core (1)	UOM (2)	Baseline Original Project Start (2008)	Baseline Revised in AF for project (2011) (3)	Progress to date (YR 2017)	Cumulative Target Value (4)				Freq	Data Source (5)	Data Respon (6)
						2015	2016	2017				
1. Regional Market Liberalization		Text	0% in most countries	0% in most countries	8% in Albania: Eight HV customers are eligible and GWh 700 is the annual consumption; next year other MV customers will be in deregulated market together with Hydro IPPs. The new Power Law is in force and the new market structure is going to be established.		8%	8%	8%	Annual ly	ERE	ERE
2. Total Safeguarded dams and generation capacity.	□	Text	0% of Albania's hydropower capacity affected by safeguard measures	0% of Albania's hydropow er capacity affected by safeguard measures	60% of Albania's hydropower capacity affected by safeguards measures. The dam geological, seismic and geodetic monitoring systems are operative. KESh and Albanian institution are adopting the recommendations of "Strengthening of the Institution set-up of Dam Safety and Emergency Preparedness" study. The Rockfall danger protection are COMPLETED in all three Dams; Rehabilitation works in Komani HPP are		40%	50%	60%	Quarter ly	Project Reports; Monitoring by PMU	PMU
							Continuous information obtained from dam monitoring systems	Continuous information obtained from dam monitoring systems	Continuous information obtained from dam monitoring systems			
							Part of Safeguard measures and preparedness plan are functional.	Part of Safeguard measures and preparedness plan are functional	Part of Safeguard measures and preparedness plan are functional			
							Rockfall Danger Protection COMPLETED	Rockfall Danger Protection COMPLETED	Rockfall Danger Protection COMPLETED			
							The first unit (UNIT#2) was recommissioned	The second unit (UNIT#3) is in the last phase of	The second unit (UNIT#3) is recommissioned			

					<p>progressing. The first unit (UNIT#2) was recommissioned in Oct. 2015. The second unit (UNIT#3) was recommissioned on March 2017.</p> <p>The spillway gates rehabilitation works is retendered and the contract will be awarded in December 2016.</p> <p>The Komani dam rehabilitation works are COMPLETED.</p>		<p>and is in operation. The UINIT#3 is in rehabilitation phase.</p> <p>The Revised BDs will be issued on May 15, 2016</p> <p>The works for Komani Dam will be completed in June 2016.</p>	<p>rehabilitation; the unit will be recommissioned in February 2017.</p> <p>The tender was opened in Oct 6, 2016. The evaluation and contract award are expected in December 2016</p> <p>The Komani dam rehabilitation works are COMPLETED on July 2016.</p>	<p>and in operation since March 2017. The Unit#1 is dismantled on April 11, 2017.</p> <p>The tender was opened in Oct 6, 2016. The final BER and the contract award are expected in August 2017.</p> <p>The Komani dam rehabilitation works are COMPLETED on July 2016.</p>			
3. Electricity Output due to reduced water leakages and electromechanical equipment rehabilitation	<input type="checkbox"/>	GWh	0	0	<p>5 GWh</p> <p>Two units are rehabilitated in Komani. It is expected that by the end of 2017 to have 5 GWh gained due to elimination of the water leakages. The rehabilitation of E&M in Komani HPP progressing.</p>		Not Estimated	Not estimated	Two units are rehabilitated in Komani. It is expected that by the end of 2017 to have 5 GWh gained due to elimination of the water leakages n	Monthly	KESh production data; power plant meters.	PMU
4. Electricity Output due to improved reservoir optimization procedures.	<input type="checkbox"/>	GWh	0	0	<p>0 GWh</p> <p>An optimization study, financed by the Bank, was carried out. The results show the importance of optimal utilization of hydro resources.</p>		Not Estimated	Not Estimated	Not Estimated	Monthly	KESh production data; power plant meters	PMU
Beneficiaries												
Project Beneficiaries	<input type="checkbox"/>	Number	185,395				Not yet Estimated	Not yet estimated	Nor yet Estimated			
Of which female	<input type="checkbox"/>	(%)	51%				Not yet Estimated	Not yet Estimated	Not yet Estimated			

(1) Please indicate whether the indicator is a Core Sector Indicator (for additional guidance – please see <http://coreindicators>).

(2) UOM = Unit of Measurement.

(3) New indicators introduced as a part of Additional Financing, the progress to the date is used to reflect the baseline value.

(4) Target value should be entered for the years data will be available, not necessary annually. Target value should normally be accumulative. If the targets refer to annual value, please indicate this in the indicator name

(5) Data Source and Methodology

(6) Responsibility for Data Collection.

Intermediate Results and Indicators

Intermediate Results Indicators	Core (1)	UOM (2)	Baseline Original Project Start (2008)	Baseline Revised in AF for project (2011) (3)	Progress to date (YR 2017)	Cumulative Target Value (4)			Frequency	Data Source (5)	Data Response (6)
						2015	2016	2017			
1. The Very High Remedial Investments Completed;		Text	Feasibility Study (FS) completed	<p>(i) The Rehabilitated Spillway gates are tested and functional. (WBG finances)</p> <p>(ii) Rehabilitation of Komani is completed and all four units are functional. (WBG finances)</p> <p>(iii) Rehabilitation of Dam Toe and Consolidation of scour area in Komani Dam is completed. (EBRD finances)</p>	<p>Rehabilitation of spillway gates is retendered. The Bank will finance only Komani and Fierza Spillway Gates. <u>Additional funds needed and estimated at Euro 15Mln.</u> There is an agreement with KfW to finance VauDejes HPP.</p> <p>Contract for Rehabilitation of E-M equipment and installation of new CMS for Komani HPP, is under implementation.</p> <p>Contract for Rehabilitation of Dam Toe and Consolidation of scour area in Komani Dam is under implementation.</p>	<p>After the detailed review of previous failures, the new bidding documents are in the preparation process. An assessment of existing spillways from Fichtner is completed. The BDs will be issued for Bank review in mid-June, 2016</p> <p>Contract under implementation 30% completed First unit was recommissioned and operational since Oct 2015. The second unit is in rehab phase.</p> <p>Contract is under implementation and 80% of works are completed. The dredging works and jet-grouting are completed.</p>	<p>The tender was opened in Oct 6, 2016. The evaluation and contract award are expected in December 2016. The works will start in February 2017 and be completed in June 2019.</p> <p>The rehabilitation works are rescheduled; the change orders are approved. The second unit (UNIT#3) is in the last phase of rehabilitation; the unit will be recommissioned in February 2017</p> <p>The Komani dam rehabilitation works are COMPLETED on July 2016</p>	<p>The tender was opened in Oct 6, 2016. The evaluation and contract award are expected in August 2017. The works will start in October 2017 and be completed in June 2019.</p> <p>The rehabilitation works are rescheduled; the change orders are approved. The second unit (UNIT#3) is recommissioned and the third unit (UNIT#1) is dismantled and in the rehabilitation phase; the unit will be recommissioned in February 2018.</p> <p>The Komani dam rehabilitation works are COMPLETED on July 2016</p>	Quarterly	Project Reports; Monitoring by PMU	PMU

Intermediate Results Indicators	Core (1)	UOM (2)	Baseline Original Project Start (2008)	Baseline Revised in AF for project (2011) (3)	Progress to date (YR 2017)	Cumulative Target Value (4)			Frequency	Data Source (5)	Data Respons. (6)
						2015	2016	2017			
2. The High Priority Remedial Measures Completed;	<input type="checkbox"/>	Text	Feasibility Study (FS) completed	<p>(i) Dam monitoring is completed. (SECO finances)</p> <p>(ii) Dam Safety procedures are completed. (WBG finances)</p> <p>(iii) Recommendations and estimated investments for addition spillway capacities are completed. (WBG finances)</p> <p>(iv) Water alarm system and external measures are functional. (kFW is committed)</p>	<p>The Dam Monitoring Systems are COMPLETED</p> <p>Dam Safety procedures are revised and improvements based on best practices are recommended to be adopted by Albanian Institutions</p> <p>TA contract for flood management and new additional spillways is contracted and under implementation.</p> <p>KESH, asked kFW to provide funds regarding the centralized Dispatch-Alarm-Center for centralized managing of the Drin Cascade and monitoring the safety parameters of dams</p>	<p>Information obtained from dam monitoring system in continuation</p> <p>TA contract is COMPLETED. The main conclusions and recommendations are presented on May 2015. KESH and Albanian institution are adopting the recommendations</p> <p>TA contract for flood management and new additional spillways is progressing. The design phase started.</p> <p>The financial Agreement (Euro 20 million) between kFW and GoA is signed on June 30, 2015. There are two components (i) rehabilitation of VDeja spillway gates and new stop-log and (ii) dam observation and controlling system for the cascade.</p>	<p>The Dam Monitoring Systems are COMPLETED. The additional instruments and other facilities will be provided by SECO</p> <p>TA contract is COMPLETED. The Albanian responsible institutions are adopting recommendations.</p> <p>The prefeasibility study is completed. The Feasibility study for additional spillways in Fierza and Komani is ongoing.</p> <p>The financial Agreement (Euro 20 million) between kFW and GoA is signed on June 30, 2015. There are two components (i) rehabilitation of VDeja spillway gates and new stop-log and (ii) dam observation and controlling system for the cascade.</p>	<p>The Dam Monitoring Systems are COMPLETED. The additional instruments and other facilities will be provided by SECO</p> <p>TA contract is COMPLETED. The Albanian responsible institutions are adopting recommendations.</p> <p>The prefeasibility study is completed. The Feasibility study for additional spillways in Fierza and Komani is ongoing. The final study will be submitted on September 2017</p> <p>The financial Agreement (Euro 20 million) between kFW and GoA is signed on June 30, 2015. There are two components (i) rehabilitation of VDeja spillway gates and new stop-log and (ii) dam observation and controlling system for the cascade.</p>	Quarterly	Project Reports; Monitoring by PMU	PMU

Intermediate Results Indicators	Core (1)	UOM (2)	Baseline Original Project Start (2008)	Baseline Revised in AF for project (2011) (3)	Progress to date (YR 2017)	Cumulative Target Value (4)			Frequency	Data Source (5)	Data Respons. (6)
						2015	2016	2017			
3. The Medium Priority Remedial Measures Completed.	<input type="checkbox"/>	Text	Feasibility Study (FS) completed	(i) Rock-fall protection in all HPPs is completed (SECO and EBRD finance) (ii) Internal Operational improvements are completed. (KESH) (iii) Drin river operation optimization (WBG finances)	The Rock-fall protection in Fierza HPP and Komani HPP are COMPLETED The internal organization is COMPLETED. The new dam safety department is established. The operational improvements are going on. The Study, financed by the Bank is COMPLETED	COMPLETED The rockfall danger protection and rockfall stochastic modeling are completed in all Drin Cascade Dams The Internal Operation improvements are partially Completed. KESH is adopting the "Strengthening of the Institution set-up of Dam Safety and Emergency Preparedness" study recommendations. The Study, financed by the Bank is COMPLETED	The Rock-fall protection in Fierza HPP and Komani HPP are COMPLETED The internal organization is COMPLETED. The new dam safety department is established. The operational improvements are going on. The Study, financed by the Bank is COMPLETED	The Rock-fall protection in Fierza HPP and Komani HPP are COMPLETED The internal organization is COMPLETED. The new dam safety department is established. The operational improvements are going on. The Study, financed by the Bank is COMPLETED	Quarterly	Project Reports; Monitoring by PMU	PMU
4. Safety of Dams Expert Panel	<input type="checkbox"/>	Text	Terms of Reference Drafted	Expert Panel established	Panel in full Operation	The Expert Panel is fully operative; the individual contracts are extended until Dec 2016	The Expert Panel is fully operative; the individual contracts are extended until Dec 2016. The extension for others two years is required	The Expert Panel is fully operative; the individual contracts are extended until June 2019.	Quarterly	Project Reports; Monitoring by PMU	PMU
5. Hydrology Analysis and Water Management	<input type="checkbox"/>	Text	Planning Stage	Planning Stage	The TA for prefeasibility study, feasibility study is ongoing.	The study for flood management is progressing; the kick of meeting (KESH-Fichtner) was held on June 10, 2015.	The Prefeasibility Study is completed in May 2016; the Feasibility study is ongoing and will be completed in mid-2017.	The Prefeasibility Study is completed in May 2016; the Feasibility study is ongoing and will be completed in September 2017.	Quarterly	Project Reports; Monitoring by PMU	PMU
6. Emergency Preparedness Plan	<input type="checkbox"/>	Text	Planning Stage	Planning Stage	The TA for strengthening of dam safety program implementation of risk studies methodologies and preparation	The study is COPMELETED. The recommendations are effective and are going to be adopted by KESH and Albanian Institutions	The study is COPMELETED. The recommendations are effective and are going to be adopted by KESH and Albanian Institutions	The study is COPMELETED. The recommendations are effective and are going to be adopted by KESH and Albanian Institutions	Quarterly	Project Reports; Monitoring by PMU.	PMU

Intermediate Results Indicators	Core (1)	UOM (2)	Baseline Original Project Start (2008)	Baseline Revised in AF for project (2011) (3)	Progress to date (YR 2017)	Cumulative Target Value (4)			Frequency	Data Source (5)	Data Respons. (6)	
						2015	2016	2017				
					of EPP is COMPLETED.							
7. Strengthen the Capacity of KESH's Dam Safety Department and AlbCOLD	<input type="checkbox"/>	Text	Planning Stage	Planning Stage	The TA for strengthening of dam safety program implementation of risk studies methodologies and preparation of EPP is COMPLETED.		The study is COPMELETED. The recommendations are effective and are going to be adopted by KESH and Albanian Institutions	The internal organization is COMPLETED. The new dam safety department is established. The operational improvements are going on.	The internal organization is COMPLETED. The new dam safety department is established. The operational improvements are going on.	Quarterly	Project Reports; Monitoring by PMU	PMU
8. Prepare the new structure and organization for KESH Generation.	<input type="checkbox"/>	Text	Planning Stage	Planning Stage	KESH's Dam Safety Department is established and full in operation		KESH's Dam Safety Department is established and full in operation	KESH's Dam Safety Department is established and full in operation	KESH's Dam Safety Department is established and full in operation		KESH	KESH
9. Studies for new Hydropower development	<input type="checkbox"/>	Text	Planning Stage	Planning Stage	Study for Assessment of Power Generation Potential of selected Albanian rivers carried out by Sogreah France during 2009. Final Report submitted.		After KESH's request, MoF asked the Bank to cancel the intent to use the available funds under category 3 on study for Scavica HPP. The funds will be reallocated to category 2 for other TA.	The TA for Skavica is prposed to be cancelld and the funds available to be reallocated in Ctaegory2 for the Assessment of Fierza HPP.	The TA for Skavica is prposed to be cancelld and the funds available to be reallocated in Ctaegory2 for the Assessment of Fierza HPP.d	Quarterly	Project Reports; Monitoring by PMU	PMU
10. Financial Management Capacity Building.	<input type="checkbox"/>	Text	Planning Stage	Planning Stage	KESH is not progressing on this item.		There is no Progress	There is no Progress The FM will be tendered in 2017	There is no Progress The FM will be tendered in 2017	Quarterly	Project Reports; Monitoring by PMU	PMU