

Project Design Matrix(PDM)

(Version 2) 13th April 2015

Country: Republic of MozambiqueProject Title: Project for Expansion of New Curriculum of Teacher Training Institute (IFP)Implementing Agency: Ministry of Education and Human Development (MINEDH)Target Group: Direct Beneficiaries: IFP students and teachers including directors in project sites (Matola IFP, Nampula IFP and Chitima IFP)Indirect Beneficiaries: IFP students and teachers including directors in all IFPsPeriod of Project: April 2016 - March 2020 (4 years)Project Site: MINEDH, Matola IFP in Maputo Province and other IFPs (Nampula IFP and Chitima IFP)

Narrative Summary	Verifiable Indicators	Means of Verification	Important
Super Goal			
Students' academic performance in the basic education is improved.	<ul style="list-style-type: none"> Improvement of average score of national assessment on Mathematics and Natural Sciences by XX% * The specific figure will be set based on first assessment in 2016. Improvement of average score of SACMEQ on Mathematics 	<ul style="list-style-type: none"> Results of national examinations 	
General Objective			
IFP students' capacity to teach Mathematics and Natural Science is developed.	<ul style="list-style-type: none"> Improvement of the semester's tests and final exams average score in Mathematics and Natural Sciences education by XX% * The specific figure will be set based on the results of baseline 	<ul style="list-style-type: none"> Results of semesters' tests and final exams 	<ul style="list-style-type: none"> IFP students are employed as teachers.
Project Purpose			
Learning materials developed by the Project are applied to use in pre-service teachers' education and training program in IFP.	<ul style="list-style-type: none"> Implementation status of lessons using the developed materials for IFP students in all IFPs by 100% Improvement of teaching capacity (subject knowledge and teaching methods) of IFP teachers on Mathematics and Natural Science assessed by the results of baseline and endline surveys of the Project. MINEDH's Approval for application of the learning materials 	<ul style="list-style-type: none"> Project report 	<ul style="list-style-type: none"> The number of lessons in IFP doesn't decrease drastically.
Outputs			
Output 1: The plan of elaboration for learning materials of Mathematics and Natural Sciences education are established.	<ul style="list-style-type: none"> JCC's approval for the plan of elaboration for learning materials of Mathematics and Natural Sciences education 	<ul style="list-style-type: none"> Elaborating plan of the learning materials 	<ul style="list-style-type: none"> Revision of curriculum in primary education doesn't influence on IFP curriculum drastically.
Output 2: Learning materials for IFP students, related to Mathematics and Natural Sciences education, are prepared.	<ul style="list-style-type: none"> Learning materials related to Mathematics and Natural Sciences Model lesson plans on Mathematics and Natural Sciences 	<ul style="list-style-type: none"> Developed learning materials and model lesson plans 	
Output 3: Learning materials developed by the Project are tried out in the selected IFPs.	<ul style="list-style-type: none"> JCC's approval for learning materials related to Mathematics and Natural Sciences JCC's approval for model lesson plans of Mathematics and Natural Sciences 	<ul style="list-style-type: none"> Project's monitoring report 	
Output 4: Learning materials for IFP students, related to Mathematics and Natural Sciences education, and model lesson plans on Mathematics and Natural Sciences are disseminated among all IFPs.	<ul style="list-style-type: none"> Results of questionnaire for participants in dissemination seminar (better understand by XX%, increase of interest in Mathematics and Natural Sciences education by XX%) 	<ul style="list-style-type: none"> Seminar's report 	
Activities	Inputs		
	Japanese Side	Mozambican Side	
1-1 To investigate actual situation of education in Mathematics and Natural Sciences.	<ul style="list-style-type: none"> Dispatch of Experts Team Leader Coordinator / Learning Materials' Development Specialist Natural Science Education Specialists Mathematics Education Specialists 	<ul style="list-style-type: none"> (1) Joint Coordination Committee (JCC) Permanent Secretary (Project Director) National Director, National Directorate of Teacher Training (Project Coordinator) National Director, National Directorate of Primary Education (DNEP) National Director, National Institute of Education Development (INDE) National Director, National Directorate of Quality Management and Guarantee (DGGQ) National Director, Planning and Cooperation (DIPLAC) Principal of IFP Matola *observer for JCC 	<ul style="list-style-type: none"> Mozambican implementation structure does not change drastically. The Ministry of Finance transfers budget to MINEDH.
1-2 To analyze the new curriculum of primary education, new text books and new teachers' guides.			
1-3 To prepare sample learning materials on some units based on Activities 1-1 and 1-2.			
1-4 To analyze the sample learning materials and establish the plan of elaboration for these materials and its working structure.			
2-1 To develop learning materials for IFP students, related to Mathematics and Natural Sciences education, based on Activity 1-4.			
2-2 To develop model lesson plans of Mathematics and Natural Sciences.			
2-3 To check the developed learning materials and model lesson plans.			
2-4 To print the developed materials to try them out in the selected IFPs.			
3-1 To make a validation plan to try out the developed materials in the selected IFPs.			
3-2 To implement an induction training for Mathematics and Natural Sciences teachers in selected IFPs.			
3-3 To implement lessons by the teachers in selected IFPs.			
3-4 To monitor the lessons using the developed materials.			
3-5 To collect and analyze monitoring results.			
3-6 To prepare monitoring reports.			
3-7 To share the reports with personnel concerned.			
3-8 To revise the developed learning materials and model lesson plans for IFP students based on the monitoring results.			
4-1 To prepare an induction program of developed materials and lesson plans to all IFPs.	<ul style="list-style-type: none"> (2) Materials Elaborating Team 2 personnel of DNFP 2 personnel of DNEP 4 personnel of INDE 2 personnel of DGGQ Matola IFP: Principal, Assistant principal, Subject chief of Mathematics and Natural Science, teachers of Mathematics and Natural Science (3) Validation Team of Developed Materials (selected IFPs): Principal, Assistant principal, Subject chief of Mathematics and Natural Science, teachers of Mathematics and Natural Science, Matola IFP and other selected IFPs (4) Other personnel Pedagogic University's directors and teachers (5) Office Office and commodities in the MINEDH for JICA Experts and Project's counterparts (6) Cost Teachers' training including daily allowance of the participants Distribution of materials including communication cost after the validation Monitoring and studies including daily allowance of the participants 	<ul style="list-style-type: none"> Preconditions MINEDH makes the decision of curriculum revision of IFPs. IFP teachers does not express objection on implementation of developed learning materials by IFP students. 	
4-2 To implement an induction training to all IFP teachers on Mathematics and Natural Sciences.			
4-3 To implement a training for Executing Agency in charge of monitoring.			
4-4 To monitor the use of the developed materials.			
4-5 To prepare monitoring reports regarding the use of the developed materials.			
4-6 To share the monitoring reports with personnel concerned.			