MILLENNIUM CHALLENGE ACCOUNT SENEGAL (MCA-SENEGAL)



Close out Monitoring and Evaluation Plan

PSE CLOSE OUT/2015

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Main Document and Annexes



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PREAMBLE

This Monitoring and Evaluation (M&E) Plan:

- is part of the action plan set out in the MILLENNIUM CHALLENGE COMPACT (Compact) signed on September 16, 2009 between the United States of America, acting through the Millennium Challenge Corporation (MCC), a United States Government corporation, and the Republic of Senegal, acting through its government;
- to support provisions described in the Compact;
- being governed and following principles stipulated in the *Policy for Monitoring and Evaluation of Compacts and Threshold Programs* (MCC M&E Policy).

This M&E Plan is considered a binding document, and failure to comply with its stipulations could result in suspension of disbursements. It may be modified or amended as necessary following the MCC M&E Policy, and if it is consistent with the requirements of the Compact and any other relevant supplemental legal documents.

ACRONYMS

AGEROUTE: National Road Management Agency

ANSD: National Agency for Statistics and Demography

BLS: Baseline Study

CA /MCA-S: Support Unit for the Millennium Challenge Account Senegal

CCR: Compact Completion Report

ITT: Invitation to Tender
RFP: Request for Proposal
SB: Supervisory Board (MCA)

AFD: Administration and Finance Directorate (MCA)

CD: Communication Directorate(MCA)

DEEC: Department of Environment and Classified Establishments
DFRI: Land Use and Institutional Reforms Directorate(MCA)

GD: General Director(MCA)
DGD: Deputy General Director(MCA)

MED: Monitoring and Evaluation Directorate(MCA) SGPR: Strategy for Growth and Poverty Reduction

ERR: Economic Rate of Return

DESA: Environment and Social Impact Assessment Directorate(MCA)

GTZ: German Technical Cooperation ITT: Indicator Tracking Tables

JICA: Japan International Cooperation Agency

LOASP: Agro-Silvo-Pastoral (agriculture ,forests and pastoral) Guiding Law

MCA-S: Millennium Challenge Account Senegal
MCC: Millennium Challenge Corporation
DEF: Department of Economy and Finance
MDGs: Millennium Development Goals

MDGs: Millennium Development Goals

DPLB: Development Plan for the Left Bank of Senegal River PIWRM: Project for Irrigation and Water Resources Management

PMO: Prime Minister's Office

NPRS: National Program for Rice Self-Sufficiency

RRP: Roads Rehabilitation Project
MEP: Monitoring and Evaluation Plan
PAR: Annual Progress Report
PQR: Quarterly Progress Report
M&E: Monitoring and Evaluation

SAED: National Company for the Development and Exploitation of Land in the Delta of the Senegal River

Valley and the Faleme

GIS: Geographic Information System

UE: European Union

PMU: Project Management Unit

WB: World Bank

1. Presentation of MCA-Senegal

1.1. Introduction

- 1. Monitoring and evaluation within the framework of the Compact is an essential function for the success of the program in connection with the results-based approach. These are tools that assist decision-making at different levels of monitoring, oversight, supervision and implementation of MCA-Senegal.
- 2. The monitoring and evaluation plan (MEP), which illustrates this, is intended to satisfy and define the organization and functioning of these functions in order to facilitate MCA-Senegal's monitoring, supervision and implementation missions.
- 3. MCA-Senegal's monitoring and evaluation plan describes (i) how the objectives and performance indicators will be monitored and evaluated, (ii) how progress reports will be prepared and (iii) how evaluations will be done. The MEP is prepared on the basis of Annex III of the Compact, which describes the approach and monitoring-evaluation methods recommended for the management of the Millennium Challenge Corporation (MCC) funds.
- 4. MCA-Senegal's Monitoring & Evaluation Plan:
 - explains in detail the terms and conditions of MCA-Senegal's monitoring through tables on the performance indicators of the program and of different projects and a data collection and quality control strategy
 - describes the needs in M&E information on projects which MCA-Senegal should provide to the various stakeholders;
 - serves as a monitoring tool to MCC, the Supervisory Board and the Stakeholders' Committee of MCA-Senegal in order to facilitate the continuing monitoring-control of the implementation of activities, of the framework for the identification of problems and of adjustments to be made during implementation;
 - serves as a guide for the implementation and management of different projects to enable teams and partners
 to take better ownership of the objectives and evaluate the progress made towards the achievement of the
 objectives and targets during the implementation;
 - set up a process to warn project teams and other actors about all types of problems emerging during the implementation process, and at the same time provide the bases for identifying and making the necessary adjustments.
- 5. In view of the the approach adopted by MCA-Senegal to use data from the partners' monitoring and evaluation mechanisms and the need to guarantee the sustainability, quality and reliability of data, MCA-Senegal's M&E Plan is based on the principles of:
 - participation and accountability of all stakeholders, including women and other vulnerable groups, in the process for monitoring, evaluation and control of the program, namely in data collection, processing and analysis;
 - linkage with the evaluation by incorporating the performance indicators listed in the reference documents and the common indicators identified by MCC;
 - diversity of the type of indicators: quantitative indicators and qualitative indicators;
 - utilizing the strengths and capacities of consultants and implementing partners;
 - reliability and accuracy of data and situations retransmitted in the Indicators Tracking Tables¹
 - availability and transparency in the communication of data on the results on MCA-Senegal's website.

1.2. Program intervention logic

- 6. On 16 September 2009, the United States of America through the Millennium Challenge Corporation (MCC) and the Government of the Republic of Senegal signed a "Compact" contract meant to reduce poverty through economic growth.
- 7. Pursuant to this agreement, MCC grants the Government of Senegal acting through the Millennium Challenge Account Senegal (MCA-Senegal), a financing program of up to five hundred and forty million US dollars (US \$ 540 million, about 270 billion CFAF) to implement the Compact² over a period of five years.

¹ With the help of the Indicator Tracking Tables (ITT)

² See Annex II: Logic of Roads Rehabilitation Project

- 8. With a population of about 12 million people, Senegal is bounded to the north by Mauritania, to the east by Mali, to the west by the Atlantic Ocean and to the south by the Republic of Guinea, Guinea-Bissau and the enclave of Gambia that runs through the center and isolates the natural region of Casamance from the rest of the territory. The Republic of Senegal was declared eligible for MCC assistance in 2004.
- 9. During the period going from February to July 2008 and following the extensive consultations implemented by the Government on the analysis of economic constraints, MCA -Senegal Program decided to focus on reducing poverty in the northern (in the Senegal River Valley) and the southern (in Casamance) regions of Senegal.
- 10. The northern and southern areas were chosen to promote economic growth in these regions, increase food security in Senegal by tapping the agricultural potential of these areas and encourage the penetration into the sub regional market. The valley region and the region of Casamance are rich in agricultural production, especially rice which is the staple diet of the Senegalese population.
- 11. The northern zone, very favorable to intensive irrigation, is facing weak area planted and crop yields due to the low capacity of irrigation existing infrastructure and drainage systems (inadequate water availability, high salinity due to lack of drainage).
- 12. Despite a strong potential for economic development, the natural region of Casamance is one of the poorest in Senegal. Enhancing this potential, characterized by the wealth of its natural resources and the importance of the agricultural production, could significantly contribute to increasing food security at a national level. A primary constraint to the development of this potential is the weakness of the road network which doesn't allow the exportation of products and services produced in the region beyond the national or regional borders.
- 13. See Annex 2: Program Logics of IWRM Project and Roads Rehabilitation Project.

1.2.1. The Road Rehabilitation Project

- 14. The Roads Rehabilitation Project (RRP) is to increase beneficiaries' access to domestic and international markets by improving the quality of roads and reducing the travel time and costs³.
- 15. The RRP will involve the national road no. 2 ("RN2") and no. 6 ("RN6") identified as priorities in the road sector. They will help facilitate the transport of manufactured goods, minerals and agricultural products.
- 16. The RRP has two activities:
 - Rehabilitation activities (strengthening, widening and replacing associated structures) of both the National Road 2 over 120 km from Richard-Toll to Ndioum and the National Road 6 on a distance of approximately 260 km from Ziquinchor to Kounkané;
 - The RRP also contains environmental and social mitigation measures, which include (i) developing community reforestation plans, (ii) implementing a HIV / AIDS awareness program, (iii) relocating or resettling the families which will be affected by the rehabilitation works, (iv) implementing an environmental awareness program for communities, (v) ensuring environmental monitoring, (vi) carrying out planting alignment, (vii) creating / removing weekly markets, and (viii) supporting the initiatives related to the development of the wood from deforestation caused by communities.
- 17. The RN2 is the main transportation and exportation road for products generated in the irrigated areas along the Senegal River. It is also a strategic road link with Mauritania and Mali.
- 18. The RN6 links Senegal with Guinea Bissau, Guinea (Conakry), and Mali. The RN6 is also a strategic road, which makes it possible to transport local agricultural products and other products and services from Casamance region to the rest of Senegal without having to travel through Gambia. The RN6 is the single national road providing land access to the Casamance region from the northern part of Senegal. The rehabilitation of this National Roads (NR) will stimulate the internal and trans-border traffic and facilitate trade by allowing reliable access all year.
- 19. According to the Compact, the RN # 2 is expected to benefit some 21,000 households or 250,000 people over the next 20 years. Currently there are about 9,290 households, or 111,500 people residing within a 5-km radius, on either side along the RN # 2.

³ About 99% of goods produced in Senegal are transported by road and 95% of national travels are made by road. Compact Sénégal.

- 20. According to the Compact, the RN # 6 activity is expected to affect some 102,000 households or about 1.1 million people over the next 20 years. Currently there is a population of about 44,000 households or 474,000 people along the road.
- 21. The traffic results expected are presented in the table below:

Table N° 1: Traffic on sections of roads to be rehabilitated by the Compact

| Sections | 2009 (*) | Results for 2012 (**) | Targets in 2015 (***) |
|-------------------------------|----------|--------------------------|--------------------------|
| RN2 Richard-Toll - Ndioum | 870 | 1029 | 1116 |
| RN6 Lot 1 Ziguinchor - Tanaff | 540 | 181 | 963 |
| RN6 Lot 2 Tanaff - Kolda | 820 | 23 | 562 |
| RN6 Lot 3 Kolda - Vélingara | 1200 | 716 | 1426 |

N.B.:

- (*): Objectives and baseline values set in the Compact.
- (**): Results of the counting study undertaken in 2012 by AGEROUTE
- (***): Revised targets from the Closeout M&E Plan (see Memorandum for justification)

1.2.2. The Irrigation and Water Resource Management Project

- 22. The Senegal River Valley is conducive to intensive irrigation due to its:
 - Long history (over 30 years) of irrigation in the valley;
 - Availability of water for irrigation;
 - Support from the government, from the National Company for the Development and Exploitation of Land in the Delta of the Senegal River Valley and the Faleme (SAED), from banking institutions such US National Agricultural Credit Institution of Senegal (CNCAS) and from the financial partners (Word Bank, JICA, French Cooperation, GTZ, African Development Bank (AfDB), BADEA, Kuwait Funds, etc.;
 - Capacity of farmers' associations to manage irrigation systems.
- 23. The optimal exploitation of agricultural production potential of the valley could address an important national need in agricultural products, particularly for rice, even without additional improvements which are still needed along the value chain. However, various constraints have led to the abandonment of thousands of hectares of land. This situation is caused by poor agricultural yields due in large part to the low availability of water for agricultural areas and the absence of a proper drainage system and its corollary, namely the soil salinity.
- 24. The Irrigation and Water Resource Management Project contributes to the poverty reduction strategy paper and agricultural development in the Valley. The project pursues the objective of increasing agricultural productivity by (1) increasing the cropping intensity, (2) increasing (2) the increasing the of agricultural production and farm incomes, (3) increasing investment in agriculture, (4) improving local governance of land resources (4). The project consists of 3 activities: the "Delta Activity", the "Podor Activity", and "Land Tenure Services Activity".
- 25. The land tenure security activity is intended to provide or maintain a conducive land tenure environment for all beneficiaries directly involved in the project by providing local governments with adapted land registers and records. This is intended to help improve the level of investment in the area. To fulfill such an ambition, the project will support the development and implementation of efficient land allocation conditions and processes for a fair and secured access. This will go through building the capacities of local authorities by developing tools such as manuals of procedures but also through communication and training on land management. This process aims to facilitate the allocation and formalization of rights to use land in accordance with the current legislation and contribute to the considerable reduction of land conflicts in the program area.
- 26. According to the Compact, the Irrigation and Water Resource Management Project will benefit the households using the perimeters, the owners or the shareholders of agricultural enterprises and the households working in the farms. The total number of beneficiaries is estimated at about 22,390 households or 268,700 people, of which, approximately 52% are women. It is estimated that full development of irrigated areas targeted by the project will provide employment for about 9,000 households (benefits accruing to about 105,000 people).

27. The key results expected from the Irrigation and Water Resources Management Project are presented in the table below:

Table N° 2: Objectives of IWRM Project

| Indicators | 2009 (*) | 2012 (**) | Targets in 2015 (***) | Long Run Targets (***) |
|---------------------------------|-------------|--------------|--------------------------|------------------------------|
| Production of paddy rice (tons) | 55,000 | 101,000 | 111,000 | 277,000 |
| Production of Tomatoes (tons) | 10,600 | 21,000 | 35,500 | 115,000 |
| Production of Onions (tons) | 10,900 | 10,900 | 40,000 | 130,000 |
| Cropping intensity (Delta) | 0.6 | 0.6 | 1.5 | 1.5 |
| Cropping Intensity (Ngalenka) | 0.0 | 0.2 | 1.2 | 2 |

N.B.:

- (*): Baseline value set in the Compact.
- (**): Results of the SAED Agricultural Season
- (***): Targets from the M&E Plan (Revised in 2014)

1.3. Economic impacts

- 28. The projects implemented under MCA-Senegal Program have reviewed rates of economic return ranging between 2% and 11% calculated over 20 years. The profits generated by the various projects will benefit most:
 - quintiles 2 (<\$2 per day) and 3 (\$2 to \$4 per day) for the proposed rehabilitation of RN 2 and 6;
 - quintiles 1 (<\$1.25 per day), 2 (<\$2 per day) and 3 (from \$2 to \$4 per day) activities in the Ngalenka, and quintiles 2, 3 and 4 (>\$4 per day) for activities in the Delta. See table below.
 - quintiles 2, 3 and 4 (>\$4 per day) for activities in the Delta4.

Table N° 3: Results of the economic analysis of MCA-Senegal's projects

| Activities | Original (ERR) | Date of original ERR | Revised current ERR | Date of current reviewed ERR |
|---|----------------|----------------------|------------------------|------------------------------|
| Rehabilitation RN#6 | 11% | Year 2009 | -1 - 6% | June 2015 |
| Rehabilitation RN#2 | 11% | Year 2009 | 8-11% | June 2015 |
| Irrigation and Water Resources Management | 16% | Year 2009 | 10-11% | March 2013 |

N.B.: ERR incorporating the Compact management costs. ERR: Economic Rate of Return

Sources: Economic Analysis du MCC, 2009, 2012 and 2013.

See http://www.mcc.gov/pages/countries/err/senegal-compact or www.mcasenegal.org

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⁴ See beneficiaries study

1.4. Program Beneficiaries

- 29. The purpose of the Compact MCA-Senegal is to help reduce poverty in Senegal through economic growth. The objective of the program⁵ is to help improve agricultural productivity and access to markets and services by investing in developmental infrastructure in different road sectors and promoting irrigation through two major projects:
 - The Project for the Rehabilitation of national roads 2 and 6 with the objective of improving access to markets and services with a view to reducing the duration and costs of transport.
 - The Irrigation and Water Resources Management Project which seeks to increase the productivity of the agricultural sector through extension and the improvement of the quality of the irrigation system in the North of Senegal.
- 30. The number of direct beneficiaries of the program is estimated at approximately 1.55 million people through 2029 or 138,600 households including 1.1 million in the Casamance region. In the Casamance, the majority of direct beneficiaries come from households living with less than \$US 2 per person and per day, and 42% of them live on less than \$US 1.25 per person and per day. In the northern area, about 45% of direct beneficiaries are households living on less than \$US 2 per person and per day, 25% of whom live on less than \$US 1.25.

Table N° 4: Estimation of Program Beneficiaries

| Projects | Estimated number of beneficiaries | Estimated number of beneficiary households |
|--------------------------------------|-----------------------------------|--|
| Roads Rehabilitation Project | 1 350 000 people | 123 000 households |
| Project Irrigation and WR Management | 260 000 people | 22 390 households |
| TOTAL | 1 550 000 people (*) | 138 600 households (*) |

N.B.: (*): Some households in the Northern Zone Nord will benefit from the Roads and Irrigation Projects.

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⁵ See Senegal Compact, Annexe 1

THE MONITORING COMPONENT

2.1. Monitoring Strategy

- 31. The Monitoring Component of the Monitoring and Evaluation Plan of MCA-Senegal aims to:
 - measure, through performance indicators ("Program Monitoring function"), the results and performance of
 the Program during its implementation milestone to ensure that the objectives and the expected economic
 gains will be made and to allow adjustments during the implementation of activities in order to improve the
 overall impact of the Program, and;
 - monitor operational risks ("Risk Monitoring function")⁶ linked to identify project results through risk indicators in order to implement risk planning and management processes within the Program and the various projects.
- 32. Monitoring the results and performances⁷ of the Program. M&E helps:
 - assess the relevance of specific strategies and mechanisms for the implementation and coordination of the different projects and activities of MCA-Senegal;
 - o monitor the results and level of achievement of MCA-Senegal's performance indicators as defined by the different agreements, making it possible to report on the achievement (or otherwise) of the objectives assigned to the program with the help of the ITT.

2.1.1. Objectives and organization

- 33. Program Monitoring and Evaluation is meant to:
 - o assess the relevance of specific strategies and mechanisms for the implementation and coordination of the different projects and activities of MCA-Senegal;
 - o monitor the results and level of achievement of MCA-Senegal's performance indicators as defined by the different agreements making it possible to report on the achievement (or otherwise) of the objectives assigned to the program.
- 34. The main stakeholders of MCA Senegal Monitoring and Evaluation are:
 - Decision makers: The Government of Senegal and the Millennium Challenge Corporation
 - MCA's bodies: the Supervisory Board and the Stakeholders Committees;
 - Implementing managers and partners: the general management and board of directors of MCA Senegal; the implementing partners (AGEROUTE and SAED), the Irrigation and Roads Projects Management Units (PMU);
 - Partners: other development actors, local and administrative authorities, etc.
 - Beneficiaries: Direct beneficiaries, the general public and the press. See Annex III Analysis of Stakeholders of MCA M&E.
- 35. See Annex III on the analysis of Stakeholders of MCA-Senegal's MEP.
- 36. The roles of key actors involved in the implementation of MCA plan for monitoring and evaluation are:
 - **Implementers of the M&E Plan**: this group of actors (who provide input to the M&E Plan and provide the supporting data) consists of MCA-Senegal's project teams and the Irrigation and Roads PMUs;
 - First level users (primary users of M&E information): these actors include MCC, the Supervisory Board, the Stakeholders Committee, MCA Senegal's support unit, MCA Senegal's top management, and the implementing partners (SAED, AGEROUTE);
 - Second level users: This group includes other partners (ANSD, DEEC), development partners involved in
 the same areas of intervention as MCA-Senegal (World Bank, European Union, GTZ, JICA, etc...), projects
 and programs partners in the same geographic areas, local administrative authorities, professional
 organizations, and direct beneficiaries (households and enterprises);
 - Third level users: this group includes beneficiaries, the General Public and the Press.
- 37. The organizational chart of MCA-Senegal's M&E is presented in Annex IV.

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⁶ The M&E team does not monitor the management risks identified in the risk register of MCA-Senegal by the Staff of MCA-Senegal with the support of various partners

⁷ Also called Project-level

- **38**. M&E includes the following levels of monitoring and evaluation:
 - The Project-level, as implemented by project directors;
 - The Internal-level, as implemented by the ME Directorate in collaboration with the other directors and officers in charge of tracking the performance indicators (ITT);
 - The Program- and Compact-level, as implemented by the General Management in relation with the Support Unit/MCA-Senegal and other actors (MCC, Supervisory Board).
- 39. The results and performance of the Program will be monitored through the performance indicators defined by the agreements and especially on the basis of Annex III of the Compact.

2.1.2. Performance Indicators

- 40. The impact of the program will be measured throughout the five years of the Compact using performance indicators⁸. Performance indicators are measures (quantitative, qualitative or milestones along a scale qualitative or quantitative) of impact, effects, outputs, activities and inputs that are monitored and controlled during the implementation of projects in order to assess progress at any given time. They provide feedback to the management system and measure the expected results.
- 41. Document 2 "MEP Revision Memorandum /Closeout" presents the performance indicators selected to measure the progress made by MCA-Senegal with baseline values and target values. MCA-Senegal's key performance indicators in terms of targets, objectives and results are presented in Table n° 2, below.
- 42. See Annex V on the target values of the performance indicators of MCA-S and Annex VII on the key performance of MCA-Senegal with regard to the goals, objectives and results.
- 43. For each performance indicator, a reference value, a target value, the data collection methodology and frequency as well as the person in charge of data collection are defined. See MEP Revision Memorandum /Closeout on the definition of performance indicators.
- 44. These indicators make it possible to monitor program performance during the implementation of the Compact, to ensure that the objectives and the expected economic gains will be achieved and make adjustments during the implementation of the activities in order to improve the overall impact of the Program.
- 45. To each indicator is attributed an indicator tracking sheet to facilitate its collection, monitoring and use. See Annex V.
- **46**. The indicator sheets provide each indicator with:
 - The specific definition:
 - The origin (or source) of the data;
 - The frequency of collection and users of results;
 - Baselines and targets per period, and;
 - Analyses and reviews of performances.
- 47. The table below summarized the MCA-Senegal indicators.

⁸ See Annex III, Description of the Monitoring and Evaluation Plan, Senegal Compact

Table N° 5: Indicators of goals, objectives, results and operations of MCA-S

| | | | Disaggregation of data by | | | у |
|---------|--|-----------------|---------------------------|-----|--------|----------|
| Level | Indicator (Code and title) | Unit | Sex | Age | Income | Locality |
| Goal | Indicator P1.: Rates of variation of beneficiaries' net income drawn from the Irrigation Project | % | YES | NO | YES | NO |
| Goal | Indicator P.2.: Change in vehicle operating costs per trip/kilometer for the RN2 | US\$ | NO | NO | NO | NO |
| Goal | Indicator P3. Change in vehicle operating costs per trip/kilometer for the RN6 | US\$ | NO | NO | NO | NO |
| | Irrigation and Water Res | source Manageme | ent Project | | | |
| Outcome | Indicator IWRM.1. : Rice Paddy Production (Delta / Ngalenka) | Tons | NO | NO | NO | YES |
| Outcome | Indicator IWRM.2. : Tomato production (Delta and Ngalenka) | Tons | NO | NO | NO | YES |
| Outcome | Indicator IWRM.3.: Onion production (Delta and Ngalenka) | Tons | NO | NO | NO | YES |
| Outcome | Indicator IWRM.4.: Cropping intensity (Delta) | % | NO | NO | NO | NO |
| Outcome | Indicator IWRM.5. : Cropping intensity (Ngalenka) | % | NO | NO | NO | NO |
| Outcome | Indicator IWRM.6. : Total area with improved irrigation infrastructure (Delta and Ngalenka) | На | NO | NO | NO | YES |
| Outcome | Indicator IWRM.7.: Hectares under production across cropping seasons (Delta and Ngalenka) | На | NO | NO | NO | YES |
| Outcome | Indicator IWRM.8.: Total flow measured (Q) at the Ronkh and G works (Delta) | Rate | NO | NO | NO | NO |
| Outcome | Indicator IWRM.9.: Number of hectares formalized (having a land allocation title and registered) | На | NO | NO | NO | YES |
| Outcome | Indicator IWRM.10. : Percentage of land disputes resolved | % | NO | NO | NO | YES |
| Output | Indicator IWRM.11.: Length of rehabilitated hydraulic axes in the Delta | Km | NO | NO | NO | NO |
| Output | Indicator IWRM.12. : Length of the main drainage canal built in the Delta | Km | NO | NO | NO | NO |
| Output | Indicator IWRM.13.: Total length of canals and drains built in Ngalenka | Km | NO | NO | NO | NO |
| Output | Indicator IWRM.14. : Hectares under improved irrigation (with MCC support) | На | NO | NO | NO | YES |
| Output | Indicator IWRM.15. : Stakeholders trained | Number | YES | YES | NO | YES |
| Output | Indicator IWRM.16. : Number of hectares of mapped land | На | NO | NO | NO | YES |
| Output | Indicator IWRM.17. : Conflicts successfully mediated | Number | NO | NO | NO | YES |
| Output | Indicator IWRM.18. : Parcels corrected or incorporated in land system | Parcels | NO | NO | NO | YES |
| Output | Indicator IWRM.19. : Land rights formalized ⁹ | Number | NO | NO | NO | YES |
| Process | Indicator IWRM.20. : Value of signed irrigation feasibility and design contracts | US\$ | NO | NO | NO | NO |
| Process | Indicator IWRM.21.: Percent disbursed of irrigation feasibility and design contracts | % | NO | NO | NO | NO |
| Process | Indicator IWRM.22. : Value disbursed of irrigation feasibility studies and design contracts | US\$ | NO | NO | NO | NO |
| Process | Indicator IWRM.23. : Value of signed irrigation construction contracts | US\$ | NO | NO | NO | YES |
| Process | Indicator IWRM.24. : Percent disbursed of irrigation construction contracts | % | NO | NO | NO | YES |
| Process | Indicator IWRM.25. : Value disbursed for irrigation construction contracts | US\$ | NO | NO | NO | YES |
| Process | Indicator IWRM.26. : Number of training sessions on land tenure security tools | Number | NO | NO | NO | NO |
| Process | Indicator IWRM.27.: Number of man/days of training on land tenure security tools | Number | YES | YES | NO | YES |

⁹ This indicator refers to households, businesses and legal entities that have formalized land rights.

| | | | | Disaggregation of data by | | | |
|---------|---|------------------------------|-----|---------------------------|----------|----------|--|
| Level | Indicator (Code and title) | Unit | Sex | Age | Income | Locality | |
| Process | Indicator IWRM.28.: Number of participants in training modules on land tenure security tools | Number | YES | YES | NO | YES | |
| Process | Indicator IWRM.29. : Temporary employment generated in irrigation | Number | YES | NO | NO | YES | |
| Process | Indicator IWRM.30. : Number of land management committees and commissions set up or improved upon | Number | NO | NO | NO | NO | |
| | Doods Dobo | hilitation Draigat | | | | | |
| | Indicator PRR.1. : Average annual daily traffic (AADT) | bilitation Project Number | T | I | <u> </u> | | |
| Outcome | Richard-Toll – Ndioum | | NO | NO | NO | NO | |
| Outcome | Indicator PRR.2 : Average annual daily traffic (AADT) Ziguinchor – Tanaff | Number | NO | NO | NO | NO | |
| Outcome | Indicator PRR.3. : Average annual daily traffic (AADT) Tanaff – Kolda | Number | NO | NO | NO | NO | |
| Outcome | Indicator PRR.4.: Average annual daily traffic (AADT) Kolda – Kounkané | Number | NO | NO | NO | NO | |
| Outcome | Indicator PRR.5.: Rate of change in the duration of travel time on RN2 | % | NO | NO | NO | NO | |
| Outcome | Indicator PRR.6.: Rate of change in the duration of travel time on RN6 | % | NO | NO | NO | NO | |
| Outcome | Indicator PRR.7.: Roughness (RN2) | m/km | NO | NO | NO | NO | |
| Outcome | Indicator PRR.8 : Roughness (RN6) | m/km | NO | NO | NO | NO | |
| Outcome | Indicator RRP.9. : Road Traffic Fatalities | Number | YES | NO | NO | YES | |
| Output | Indicator PRR.10 : Kilometers of rehabilitated roads on RN2 | Km | NO | NO | NO | NO | |
| Output | Indicator PRR.11 : Kilometers of rehabilitated roads on RN6 | Km | NO | NO | NO | NO | |
| Process | Indicator RRP.12.: Kilometers of roads under design | Km | NO | NO | NO | YES | |
| Process | Indicator RRP.13. : Value of signed road feasibility and design contracts | US\$ | NO | NO | NO | YES | |
| Process | Indicator RRP.14. : Percent disbursed of road feasibility and design contracts | % | NO | NO | NO | YES | |
| Process | Indicator RRP.15.: Value disbursed of signed road feasibility and design contracts | US\$ | NO | NO | NO | YES | |
| Process | Indicator RRP.16. : Value of signed road construction contracts | US\$ | NO | NO | NO | YES | |
| Process | Indicator RRP.17.: Percent disbursed of road construction contracts | % | NO | NO | NO | YES | |
| Process | Indicator RRP.18. : Total Value disbursed of road construction contracts | US\$ | NO | NO | NO | YES | |
| Process | Indicator RRP.19. : Kilometers of roads under works contracts | Km | NO | NO | NO | YES | |
| Process | Indicator RRP.20. : Temporary employment generated in road construction | Number | YES | NO | NO | YES | |
| Process | Indicator RRP.21.: Kilometers of roads completed | Km | NO | NO | NO | YES | |

<u>NB</u>: Indicators 11 (Rate of occupancy of Community Day-Care Centers), 12 (Number of children enrolled in Community Day-Care Centers) 32 (Number of "mother" educators who complete the government training curriculum for primary education) and 33 (Number of Community Day-Care centers built and equipped) have been removed following the removal of the activities to which they refer.

2.2. Data Quality Reviews

- 48. To ensure the accuracy, objectivity and reliability of data used to measure the performance of MCA-Senegal as well as the sources and methods used to collect data on performance indicators, the M&E plan includes a strategy for data quality evaluation and management. This strategy precisely defines the responsibilities of each project team and implementing partners in data collection and information management.
- 49. Data Quality was reviewed in accordance with the procedures and requirements described by MCC Procedures ¹⁰. The strategy included a schedule of internal and external data quality evaluations undertaken with the support of independent consultants. It is a process whose quality needs to be assured at every level, throughout the chain. The objectives of the Data Quality Review were to evaluate the conformity of the monitoring evaluation data with the standards defined by the MCC M&E procedures. Thus, the data were audited based on the following criteria:
 - Validity: Does the data satisfactorily represent the desired results?
 - Reliability: Are the data collection procedures stable and consistent over time?
 - Timeliness: Is the data current and frequently collected?
 - Precision: Does the data have an acceptable margin of error?
 - Integrity: Is the data free from manipulation?
 - Appropriateness: To what extent do the indicators fully portray the results?
 - Practicability: Is the data current and frequently collected?
- 50. The main sources of data in the MCA-Senegal's ME are:
 - Surveys (Households and Businesses, on the roads, etc.) commissioned by MCA-Senegal;
 - (ii) Management teams of the Irrigation and Roads Projects
 - (iii) Beneficiary organizations and individuals of the intervention area
 - (iv) MCA-S directorates (directors, project managers) and MCA-Senegal partners (Procurement Agent and Fiscal Agent);
 - (v) Consultants responsible for conducting studies for MCA-S;
 - (vi) Secondary sources (ANSD, SAED, AGEROUTE, Development partners intervening in the same areas, other sources).
 - (vii) etc
- 51. The Monitoring and Evaluation Directorate is responsible for providing data, but the responsibility for data quality lies with the MCA-Senegal technical teams (including the Monitoring Evaluation Directorate (MED) for data concerning it), project teams and consultants. Each data provider will sign a commitment to the quality of data provided. Therefore, the technical teams ensure that the data collection procedures do not include risks for data quality and comply with the basic conditions and factors influencing the quality.
- 52. To implement the Data Quality Charter, the MED has ensured, on the one hand, that it clearly and transparently incorporates the process of data collection and the monitoring of relevant indicators in the implementing contracts and, on the other hand, that it periodically provides technical assistance to the teams of directorates, projects as well as to consultants and implementing agencies responsible for data collection.
- 53. Moreover, MCA-Senegal has selected a data quality review firm in accordance with MCC procurement procedures in years 1 and 4. Data quality reviews have also been organized regularly by the team of MCA-S Monitoring-Evaluation Directorate in the field (among the different stakeholders of the system (implementing entities, Engineer, Firms, other consultant) or in the various technical directorates of MCA-S.

2.3. Standard Reporting Requirements

2.3.1. Quarterly Disbursement Request and Narrative Report

- 54. At the end of each quarter, a narrative report showing the progress status in the implementation of activities is submitted by MCA-Senegal to MCC Washington together with a request for disbursement. The performance indicator tracking tables are annexed to the Quarterly Narrative Report. See Annex VII of the formats for narrative reports, quarterly and annual reports respectively which will be submitted to MCC and the MCC-Senegal Supervisory Board.
- 55. The indicator tracking table helps summarize, in matrix form, the values of indicators for a given period and calculate the deviations in relation to the target values. It also makes it possible to compare the results of the current

¹⁰ Cf. «ME Policy» and «Policy on Prevention, Detection and Remediation of Fraud and Corruption » www.mcc.gov

quarter with that of the preceding quarter and present the target values of the following quarters and years up to the end of the Compact.

- 56. The disbursement requests and ITT are submitted to MCC four times a year, 20 days before the end of the quarter, i.e. on March 10th, June 10th, September 10th, and December 10th. A supplementary narrative report is submitted once a year (October 30th) to present the main results and progress achieved, based on evidence from performance indicator tracking.
- 57. The Narrative Report is presented on the basis of the format approved by MCC. In addition to this report and to meet the national needs in information concerning MCA-Senegal activities, the Monitoring & Evaluation Directorate prepares a Quarterly Progress Report. The format of this report is presented in Annex IX.1. This more detailed version of the report as well as the indicators tracking table are sent to all partners and published on the MCA-Senegal website.
- 58. The performance indicators tracking tables (ITT) are prepared by the team of the Monitoring and Evaluation Directorate using data collection forms and quarterly reports submitted by the Project Directors. The MED is responsible for verifying data quality and completeness. A first version is submitted to Project Directors for comments and observations before being finalized and submitted to the General Directorate responsible for submitting it to MCC 20 days before the end of the last month of the quarter (March 10th, June 10th, September 10th, and December 10th). The ITT is part of the mandatory documents to be presented by MCA-S for quarterly disbursement requests.
- 59. An annual report is prepared by the Monitoring-Evaluation Directorate (MED) every fiscal year (October to September) for the Supervisory Board on the basis of the reports of the different projects. The annual report shows the main results and progress made by the different projects and activities during the fiscal year.
- 60. The schedule for collection and processing of indicators is as follows:

<u>Table N° 6 :</u> Schedule for the collection and use of performance indicators Schedule for the collection and use of performance indicators

| Frequency of collection concerned | Deadline | Persons Responsible for the Action | Synthesis deadline | Submission to MCC (*) and to the supervisory board (**) |
|--|------------|--|--------------------|---|
| Quarterly ITT | | | | |
| Quarter # 1 : October – December | 20 January | ME Officers based on the reports | January 31 | March 10 (*) (**) |
| Quarterly # 2 : January- March | 20 April | from the directors (Roads, Irrigation, ESA, Land | April 30 | June 10 (*) (**) |
| Quarterly #3 : April – June | 20 July | Management, Communication) to be received at latest by15 | July 31 | September 10 (*) (**) |
| Quarterly # 4 : July- September | 20 October | January , April, July or October | October 31 | December 10 (*) (**) |
| Annually ITT (from 1st October to 30 September) | 20 october | From 1 October to 30 September | October 31 | October 31 (**) |
| Annual report (from 1 October to 30 September) | 20 october | From 1 October to 30 September | October 31 | December 10 (**) |

2.3.2. Quarterly Progress Reports

- 61. To ensure the effective functioning of MCA-Senegal's MEP, a quarterly report including the quarterly work plan (planning of activities for next quarter) and the quarterly activity report (assessment of activities) should be provided by the different Management Units of projects (PMU Irrigation and PMU Roads) and directorates (technical services, financial services. The report should be analytical and be based on products expected from the project or the directorate. See Annex IX.2. on the format of quarterly reports.
- 62. The table below presents the dates of production of the different reports.

<u>Table N° 7:</u> Deadlines for production of quarterly progress reports

| LEVELS | ENTITY IN CHARGE | DATES |
|----------------|------------------|---|
| PMU Irrigation | PMU Coordinator | The 20th day of the last month of the current quarter (for example 20 December) |

| PMU Roads | PMU Coordinator | The 20th day of the last month of the current quarter (for example 20 December) |
|---|-----------------------|---|
| Quarterly Activity Report of Technical | Directors | The 25 th day of the last month of the current quarter |
| and Financial Directorates | DAF | (for example 25 December) |
| Draft Quarterly Activity Report | Director Monitoring & | The 5 th day of the first month of the preceding |
| | Evaluation | quarter (for example 5 January) |
| Observations of Directorates on the | Directors | The 10 th day of the first month of the preceding |
| draft | DAF | quarter (for example 10 January) |
| Finalization of Quarterly Activity Report | Director Monitoring & | The 15th day of the first month of the preceding |
| | Evaluation | quarter (for example 15 January) |
| Transmission to Stakeholders and | Director General | The 20th day of the first month of the preceding |
| organs | ADG | quarter (for example 20 January) |
| Put on-line | Webmaster | |

2.3.3. Annual Performance Report

- 63. The Annual Performance Report makes an assessment of MCA-Senegal activities at the end of the Fiscal Year (October September) and is prepared on the same basis as the Quarterly Report. The annual stocktaking report is prepared at the end of the fiscal year by the monitoring and evaluation directorate on the basis of the annual reports of the different directorates and project management units. The format for annual reports is identical to that of quarterly reports. See Annexes IX.3. regarding the format of annual progress reports.
- 64. The Annual Performance Report provides information on the accomplishments and progress of Compact activity implementation, on the participation process, on lessons learnt and on best practices.
- 65. A sharing and analysis workshop is organized on the Annual Performance Report with a broad range of stakeholders who will have the opportunity to:
 - examine the overall progress of the implementation of the Compact;
 - analyze the problems encountered in connection with the implementation and discuss possible actions;
 - review and analyze the quality of the construction work in the field and the resulting effects on the ERR and total project lifecycle costs;
 - examine the projects and propose the necessary adjustments, and;
 - use the results for the planning of activities scheduled during the following year.

Table N° 8: Schedule for the production of annual performance reports

| LEVELS | ENTITY IN CHARGE | DATES |
|---|----------------------------------|--------------|
| | | |
| PMU Irrigation | PMU Coordinator | 30 September |
| PMU Roads | PMU Coordinator | 30 September |
| Annual Activity Report of Technical and | Directors | 10 October |
| Financial Directorates | DAF | |
| Draft Annual Activity Report | Director Monitoring & Evaluation | 20 October |
| Observations of Directorates on the draft | Directors | 25 October |
| | DAF | |
| Finalization of Annual Activity Report | Director Monitoring & Evaluation | 30 October |
| Transmission to Stakeholders and organs | Director General | 30 October |
| - | DGD | |
| Put on-line | Webmaster | |

2.3.4. Compact Completion Report

- **66.** At the end of the Compact in Year 5, the Monitoring-Evaluation of MCA-Senegal should provide answers to several questions including:
 - Has the Compact achieved its objectives?
 - If yes or if no, why?
 - Are the construction projects in conformance with the approved Engineering designs? What are the results and impacts on the ERR and project lifecycle costs?

- What are the lessons drawn from the implementation experience (on the procedures, on the funds, etc.?
- 67. To provide answers to all these the MCA-S personnel will, during the last year of implementation, prepare a Compact Completion Report (CCR) to assess the program, indicate the level of outputs and outcomes achieved, and the reasons why these outcomes and outputs were or were not achieved.
- 68. Following the MCA-S Personnel, the MCC team in charge of monitoring Senegal's Compact, will prepare a Post-Completion Assessment Report (PCAR) within 6 months following the end of the Compact. In addition to the aspects concerning the evaluation of the MCA-S program, the report will give indications of the program's performance.

3. EVALUATION COMPONENT

3.1. Evaluation Strategy

- 69. Evaluation is an essential component of MCA-Senegal Program and is a major focus of the MCC's approach. This approach incorporates specific methodologies that can provide guidance on the impact of the programs implemented and due to the interventions of the funded projects.
- 70. The evaluation component of the MCA-S M&E plan aims at:
 - analyzing retrospectively (summative evaluation) the results achieved in light of the expected effects and whether these results are due to the interventions;
 - assessing the impact of the MCA Senegal's projects on the beneficiaries, including vulnerable groups who
 may be less likely to equally benefit from program activities;
 - analyzing in a formative way (formative evaluation for MCA-Senegal's team) the results of the projects implemented in order to improve their performance and achieve the goals of the Compact
- 71. The evaluation strategy is based on scientific models with advantages of neutrality, accuracy, objectivity and validity of information. The evaluation methodologies are selected on the basis of the evaluation of these criteria and of their costs.
- 72. The activities of the evaluation component should focus on: (i) independent impact evaluations, (ii) internal evaluations made by using MCA-Senegal's human resources (Staff MCA-Senegal, Implementing Partners, Project Management Units) according to participatory methods, and (iii) ad hoc evaluations and special studies.
- 73. Each evaluation will be based on statistical methods using data collected through surveys that are contracted through the MCA. The MCA-Senegal monitoring-evaluation team will work closely with the impact evaluation teams to support the development and implementation of these studies, under MCC guidance.

3.2. Specific Evaluation Plans

- 74. The activities of the evaluation component will be based on:
 - i. Impact evaluation: in accordance with the procedures in force, an independent evaluation of the impact of projects will be undertaken. This in-depth impact evaluation which places an emphasis on results, will help measure the changes registered at the level of individuals, the household or the well-being of the community as a result of the intervention of the Irrigation and Roads projects. MCC is responsible for the selection of one or several independent design firms specialized in impact evaluation, which will be entrusted with designing and implementing the evaluation of the two projects.
 - ii. Special studies.
- 75. See table below on specific evaluation plan.

<u>Table N° 9 :</u> Summary of Specific Evaluation Plans

| Name of evaluation | Surveys Concerning | Evaluation Period | Type of evaluation | Evaluator | Methodology | Date of Final Report |
|--------------------------------|--|---|--------------------|---------------------|------------------------------|----------------------------|
| Evaluation of IWRM Project | Baseline Survey of the IWRM Project | March 2012 – January 2013 | Impact | To Be Determined | Difference-in- difference | Early 2019 |
| | Mid-term Survey of IWRM Project | Ngalenka et Delta : Sept-Dec. 2016 | | | | |
| | • Final Survey of IWRM Project | Ngalenka et Delta : June 2017-May 2018 | | | | |
| Evaluation of Roads Project | Baseline Survey of Roads Project | May - Decmber 2012 | Performance | To Be Determined | HDM-4 | End of 2018 |
| | Counting Survey and OD initial situation | September 2012 | | | | |

| Counting Survey and OD | • Mid-2015 |
|--|--|
| Counting Survey | September 2015 (RN2) |
| | November 2016 (RN6) |
| Counting Survey | Regularly through 2018 |
| | |

3.2.1. Impact Evaluation

3.2.1.1. Evaluation of IWRM Project Impact

76. It is worth noting that the evaluation plan for this project was adopted in 2011 in relation with MCC and its consultant IRIS Centre University of Maryland in charge of the evaluation. The design is based on the estimation of difference-in-difference with matching.

■ Sample selection

- 77. Since the IWRM Project beneficiaries were selected on a non-random basis, the sampling methodology for the survey should have identified and selected the survey areas (beneficiaries of interventions) as similar as possible to the comparison communities (i.e. to represent the counterfactual).
- 78. The methodology proposed is based on the difference-in-difference (DID) method which compares changes before-after the results between households in the intervention areas (treatment group) and households in comparison zones (comparison group).
- 79. The key assumption of the difference-in-difference methodology is that the trends emerging from the results between the treatment group and the comparison group should be similar. To increase the similarity of the treatment and comparison groups, difference-in-difference with matching will be used.
- 80. The combined difference-in-difference matching approach is a merger of the of difference-in-difference method and matching estimation to compare the changes in the results of households belonging to the treatment group with those of households of the comparison group based on observable characteristics.

Survey data collection

- 81. MCA–Senegal signed an Implementing Entity Agreement for the collection of baseline data in the areas of intervention and control of the IWRM. The survey data are collected during the three passages in both the Delta and the Podor region. The three surveys help collect information on households, achievements and results of the three seasons:
 - Hot off-season (wave 1: dry season from December 2011 to March 2012);
 - Cold off-season (wave 2: cool season from April to July 2012); and
 - Wet season (wave 3: rainy season from August to November 2012).
- 82. Beforehand and to apply the method of difference-in-difference (DID) with ex-ante matching, a comprehensive census to collect a set of variables used to match the treatment households and control households was carried out.

☐ Selection of samples at the level of households - Delta

- 83. The census carried out in March 2012 in the Delta, in the departments of Saint-Louis and Dagana, identified a total of about 11,600 households surveyed on the basis of the following criteria:
 - Age and sex of head of household;
 - Household size;
 - Number of male and female workers;
 - Number of male workers in agriculture
 - Number of female workers in agriculture
 - Sex
 - Ethnicity
 - Literacy
 - Socio-administrative status
 - Status of land belonging to head of household
 - Participation in PO (Peasant Organization)

- Types of roofs, floors, walls
- 84. These variables were used as distinct variables in the selection of the sample of households to be interviewed during the three passages to comply with the Difference-in-difference and Matching methodology.
- 85. Thus, 1637 treatment households and 1637 control households were drawn, i.e. 25% more than the required sample size. To identify similar comparison households, we employed a commonly used method of matching: the propensity score method.

■ Sample selection - Podor

86. In the Ngalenka zone (Podor), the census held in March 2012, helped identify 1617 households in the Podor treatment zone and 585 others in the Podor comparison zone. However, in view of the fact that the households are not yet known, all 1617 households of the treatment zone were sampled. However, for the comparison zone, a random sample of 440 households in the Podor comparison zone was selected.

■ Evaluation guestions:

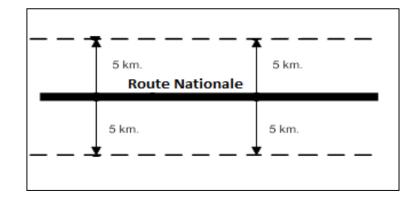
- 87. Using the conceptual model adopted for the baseline survey, the key research questions to be addressed are:
 - Has access to (or use of) irrigation water increased?
 - Has there been an increase in hectares under production?
 - Has there been an increase in the volume of agricultural production? If so, how much?
 - What is the impact of the project activities on the sources and level of household income?
 - Does the impact on the outcomes vary according to gender, age and income group?
 - Do the activities of the project bring about a better perception of land tenure security?
 - Does the improvement of land tenure security encourage producers to invest?

Other Analyses

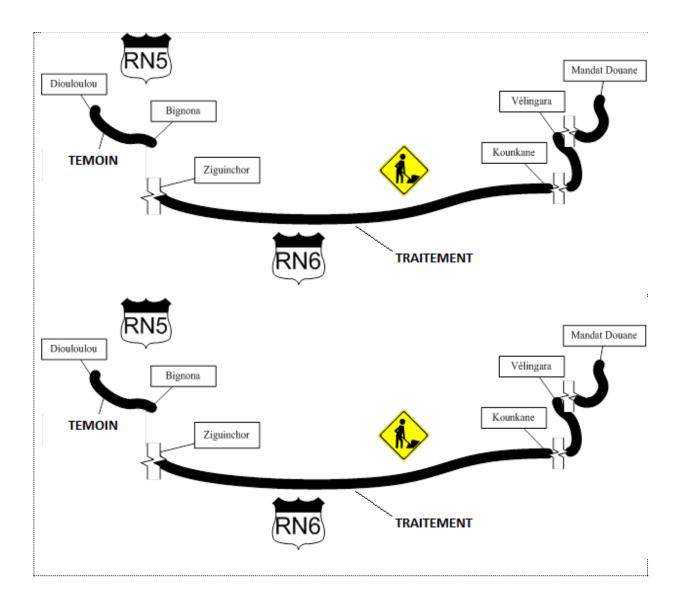
- 88. The evaluation of the IWRM project impact will also include the "Cost-Benefit" analysis, the analysis "by Gender and other sub-groups" and that of unintended consequences.
- 89. The analysis by Gender and other Sub-groups will be made on the basis of the participation of Beneficiaries by examining the distribution of benefits per sub-groups (for example gender and income category). This analysis seeks to answer the following questions:
 - (1) How many people are expected to benefit from increased household incomes as a result of the project?
 - (2) What proportion of the beneficiaries is poor?
 - (3) How much on average will each individual beneficiary gain from the project?
 - (4) From each dollar invested by MCC, how much will be gained by the poor?
- 90. The analysis on the "Unintended consequences" will focus on unforeseen obstacles or on unexpected secondary effects of the IWRM project using quantitative data collected from households, businesses and other stakeholders through the following questions:
 - Were there any unintended consequences of the IWRM project? If so, why did they occur?
 - Who was affected by any unintended consequences?
 - Could any negative unintended consequences have been mitigated? How?

3.2.1.2. Evaluation of the Roads Project

91. For the Roads Rehabilitation Project, the evaluation seeks to answer the question of how beneficiaries were affected by the implementation of a program.



92. At the beginning of the project, MCC and MCA tried to carry out an impact evaluation based on a difference in-difference methodology. Eventually, it was decided that the method was not the best for assessing all the project benefits, based on the following reasons.



- 93. The Roads Rehabilitation Project (RRP) aims to increase incomes for numerous households. However, expected benefits for each individual household are not likely to be large enough to be captured by the difference-in-difference method.
- 94. Furthermore, it would not be possible with the difference-in-difference methodology to capture the full expected benefits for the roads project. There are many road users who do not live nor are based near the

- road, but who use it regularly. Benefits for these users would not be captured by the difference in difference methodology.
- 95. A review by MCC of former evaluations, with input from transportation experts, identified the HDM-4 model as the most suitable method for estimating road project benefits (especially for primary roads).

 Consequently, MCC has decided to use the HDM-4 model for estimating the RRP's final benefits.
- 96. In using the HDM-4 to estimate the benefits of the Roads Project, the evaluation will include an estimate not only of the end-of-project status, but also a second estimation three years after the end (in 2018) of the project. This second estimation will be supported by repeat traffic counting surveys and other studies required under the model over a three-year period following the end of the Compact.
- 97. The new methodology will address the following questions:
 - a. What is the value of the project benefits?
 - b. Was the project justified based on cost-benefit analysis?
 - c. What was the increase level in traffic on RN2 and RN6?
- 98. The final evaluation report is expected in late 2018.

3.2.2. Internal evaluations

99. Internal evaluations initially planned (assessment of user satisfaction and knowledge, assessment of gender dimension in MCA-Senegal activity implementation, and qualitative process analysis) with a view to preparing for the mid-term and the final evaluations, were not carried out.

4. Management And Administration of Monitoring and Evaluation

4.1. Responsibilities of Monitoring and Evaluation

100. The development of a Monitoring and Evaluation Plan for MCA-Senegal by the staff of the program was based on a participatory approach involving implementing partners (SAED AGEROUTE), the other partners (ANSD, etc.) and the beneficiaries and according to MCC's monitoring and evaluation procedures. The managing of the M&E plan is assigned to the Monitoring and Evaluation Directorate which is controlled by a Director who is under the direct supervision of the Deputy Managing Director and under the authority of the Director General.

101. The management and coordination of all the Monitoring - Evaluation activities of MCA-Senegal are under the direct responsibility of the M&E Director. He is assisted in these tasks by a team of two M&E officers for the "Irrigation" and "Roads" projects. These Officers are specifically responsible for the collection, compilation, processing and analysis of data on activities and specific indicators.

102. Within the "Irrigation" and "Roads" PMU, the monitoring and evaluation responsibilities are incumbent upon the unit coordinator.

103. The Director General of MCA-Senegal oversees the implementation of the Monitoring and Evaluation Plan. The MCC focal point for monitoring and evaluation provides technical assistance to the monitoring and evaluation team of MCA-Senegal, to facilitate the implementation of the specific activities in accordance with existing procedures.

104. The main tasks of the Monitoring and Evaluation Directorate are:

| | setting up a Monitoring and Evaluation system including the collection, the processing, the analysis, the verification / validation and the centralization of information on MCA-Senegal's performance indicators |
|---|---|
| | on the one hand and reporting on these quarterly performance indicators on the other one; |
| | developing procedures manuals for Monitoring and Evaluation indicators which are to be implemented |
| | by the Project Management Units under the supervision of implementing partners; |
| | developing training manuals and delivering training modules on procedures for data monitoring and |
| | verification for the technical directorates of MCA-Senegal, the PMU and implementing partners ¹¹ .; |
| | Disseminating information and results related to the performance and impact of the program in order to |
| | ensure transparency in relation to the Directorate of Communication through the website and / or any |
| | other medium. |
| | facilitating participation in M&E activities and arousing interest of different stakeholders involved directly |
| | or indirectly in the conduct of activities and the success of MCA-Senegal; |
| | setting up and conducting an audit strategy for data quality, incorporating internal and external controls; |
| | developing, in partnership with the other directorates, an annual the Monitoring and Evaluation work |
| _ | plan to be submitted to approval to the Director General of MCA-Senegal and MCC; |
| | preparing terms of reference and managing the selection and work of consultants for surveys, studies, |
| | reviews of data quality and any other relevant and specific studies in the field; |
| | managing partnership agreements with governmental entities in the field of monitoring and evaluation; |
| | ensuring the inclusion of responsibilities for collecting data on performance indicators in Terms Of |
| | Reference (TOR) for individual contractors and consultants and agreements with implementing entities; |
| | monitoring and supporting the collection of data on performance indicators for the focal points |
| | designated by the PMU of the various projects; |
| | facilitating the work of the mid-term and final Evaluation team, particularly through mission planning |
| | support and considering the recommendations relating to the M&E. |

105. The other Directorates of MCA-Senegal, in their specific field of intervention, will perform the following tasks:

- Collecting, processing and entering data in the M&E application for the indicators relating to their sector;
- Consolidation and transfer of the data collected by the Consultants and the "Road Rehabilitation" PMU and the "Irrigation and Water Resources Management" PMU;
- Reporting, internal dissemination of outputs and capitalizing on best practices and case studies (Success stories);

-

¹¹ Manuals and trainings should integrate gender considerations such as data collection techniques for diverse beneficiary groups including women.

- Adapting data collecting and processing tools and methods;
- Controlling the quality of the data drawn from their area of intervention in relation to the Monitoring and Evaluation Directorate and the Quality Specialist of MCA-Senegal

106. MCA-Senegal Supporting Unit performs the following tasks:

- Collecting and reporting on the data from the other partners in the areas of intervention the projects;
- External dissemination of the data on MCA-Senegal's indicators, particularly among government agencies;
- Optimizing experiences/lessons learned from MCA-Senegal's implementation process;
- Work with MCC to collect data to update the economic rate of return on the basis of field data.

4.2. M&E Information and Management System

107. To ensure the proper implementation of the M&E Plan, several computer software systems are set up at the Monitoring and Evaluation Directorate's level as well as at the level of the other directorates and PMU. The main acquisitions are:

- For software: ArcView GIS, Arc Info, SPSS, Stata and EVIEWS;
- For logistics: acquisition of printers for printing maps and GPS;

108. MCA-Senegal's computerized monitoring and evaluation system (SISE) was designed in 2012 and set up and made accessible at the following address: http://41.214.31.186:8090/SESAME-MCASENEGAL/. This system will help decentralize data capture tasks (by the directorates, PMU concerned) and the consultation, analysis and processing of data (by MCC, the Supervisory Board, the MCA-S Staff, Stakeholders).

109. In view of the actors' different locations and the optimization objectives, the SISE will adopt the web architecture. This will help centralize the database in a single location and provide an interface to this base via a web page accessible to all users. Since the application never resides on the user's computer, the maintenance operation is greatly simplified since it only involves the central server in which the application is hosted. Thus a reliable and rapid internet access for all users will be required.

110. See diagram below on the Global architecture of the MCA-Senegal M&E information system.

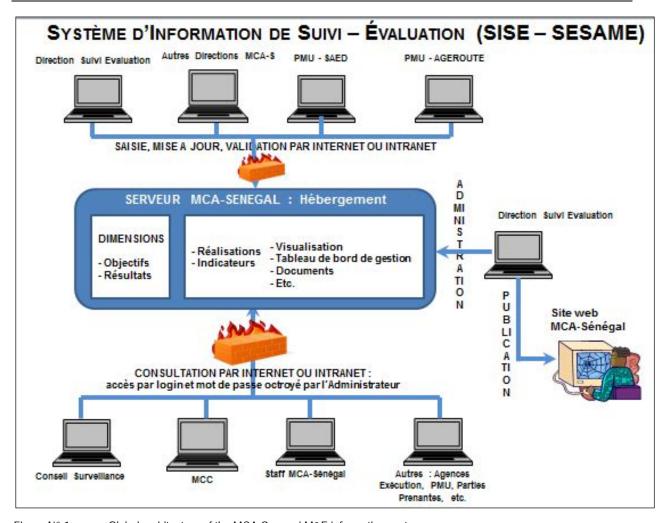


Figure N° 1 : Global architecture of the MCA-Senegal M&E information system

111. The system has the following characteristics:

- Adjustable: break down the modules in such a way that a new module can be easily integrated during future MEP revisions;
- Flexible: provide advanced administration functionalities to make it highly configurable and possible to modify parameters at any time;
- Scalable: opt for n-tier architecture to separate the presentation, business logic and data layers in order to easily change one of the layers if the need arises. This reinforces security;
- Efficient: provide for measures guaranteeing the rapid loading of screens and reports and ensuring a permanent availability rate except in emergency situations;
- Secured: make provision for security measures (data base, interface, communication channel, servers) by
 hosting the components on the different servers in order to preempt data loss ad illegal copies, protect
 confidential data, guarantee data integrity and prevent all forms of intrusion;
- Simple: Develop a user-friendly system that can be configured and administered by the MED with the support of the MCA-Senegal and the consultant through a support and maintenance contract.

4.2.1. Monitoring and Evaluation Disseminating system

112. Disseminating the results of MCA-Senegal Monitoring and Evaluation Plan is structured around the following products:

| | Millennium Challenge Account Senegal (MCA-Senegal) |
|---|---|
| 0 | Annual and long-term work Plans: these are the triggers of the Monitoring and Evaluation Plan (M&EP) and the tools that facilitate annual reviews; |
| | Quarterly Performance reports: they are developed by the Project Management Unit (PMU), the projects' Directorates and the other technical directorates. The final quarterly report is prepared by the Monitoring and Evaluation Directorate (MED) on the basis of the various contributions; |
| | Indicator Tracking Tables (ITT), which present the level of periodic and cumulative achievement of performance indicators of MCA-Senegal; |
| | Annual Performance Report: it presents MCA-Senegal's annual results and it is developed based on the annual reports of various projects and Directorates; |
| | Special Reports: These are updates developed upon request, survey reports, specific studies and midterm and final reports. |
| 113. The Ar | nnex No. X shows the schedule of various MEP products development and levels of responsibility. |
| | 4.2.2. Monitoring and Evaluation Communications Strategy |
| role. In acco accountabili intervention | Genegal has put in place a communication strategy in which monitoring and evaluation will play a vital ordance with the M&E procedures defined by MCC Washington and the principles of transparency and ty, M&E products will be provided to implementing partners, the administrative authorities of the areas, the stakeholders, the press and the general public in the proper format for each case: distribution its and reports published on the website of MCA-Senegal, conferences, etc.). |
| general pub | &E Directorate is considering organizing a one-day symposium to present results to the press and the lic at the end of each year. In addition, the quarterly and annual reports as well as the ITT will be posted opposed by the MCC. |

4.3. Review of the Monitoring and Evaluation Plan

117. MCA-Senegal's M&E Plan has undergone adjustments and revisions by adapting to the information needs of the different stakeholders in order to better support the decision making process.

116. Semi-annual stakeholder workshops will also be organized to disseminate the progress results and conduct

118. The M&E Directorate is planning an annual review of M&E procedures and management during the first quarter of each fiscal year. Also, the M&E plan may be subject to exceptional review according to the following cases:

| adding an indicator; |
|---|
| deleting an indicator; |
| changing a baseline value; |
| changing targets |
| changing the collection method or calculation of an indicator |
| changes in sources and means of verification |

119. This review must:

participative self-assessments.

- ✓ Improve procedures for collecting, storing, processing, analyzing and disseminating information on activities and ensure that all changes are properly reflected at the monitoring and evaluation level.
- ✓ show whether the logical causal links occur;
- ✓ verify whether the definitions of indicators are accurate, current and timely;
- ✓ verify whether the M & E indicators accurately reflect the performance of the program;
- ✓ update the indicators targets, and;
- ✓ add indicators, if necessary, to measure results

120. In particular, this annual review has determined whether the sequence of outcomes as described by the tables of indicators monitoring meet the schedule of activities implementation, if the implementing agencies responsible for collecting are able to provide the information on schedule, if the definitions of indicators are appropriate and unambiguous, and so on.

- 121. It has also helped to assess performance at the four basic elements of the M&E Plan:
 - (i) data and information relating to activities;
 - (ii) the actors (those who produce and/or use the information);
 - (iii) the procedures that help identify the relationships between actors and data;
 - (iv) Tools developed for the analysis, evaluation and dissemination of data.
- 122. Identifying indicators of progress or milestones to be reported over the year has also happened during this review on the basis of annual work plans.
- 123. If the annual review identifies changes in the Monitoring and Evaluation Plan, a revised Plan, accurately documenting the changes and their justifications, is submitted to the Supervisory Board for validation and to the MCC for approval.

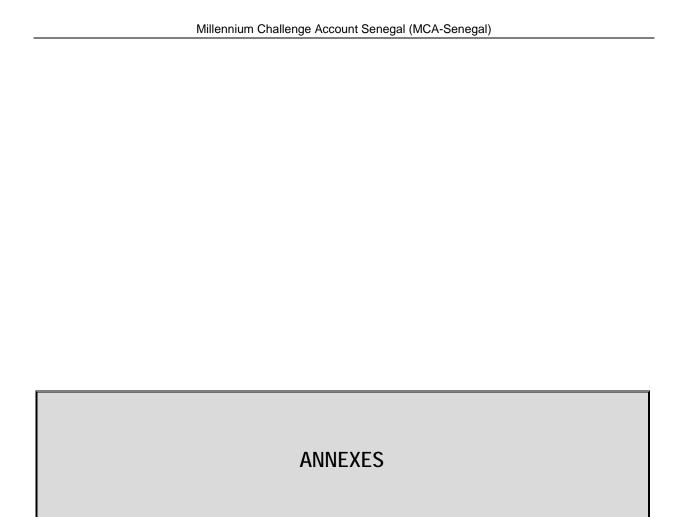
5. M&E BUDGET

- 124. The overall cost of MCA-Senegal's MEP is estimated over the period of 5 years of the Compact at US\$ 5.152 million. See table below.
- 125. The budget items must be revised in collaboration and agreement with MCC through a formal review process.
- 126. The M & E budget does not include the wages and benefits of the staff of MCA-S M&E Directorate who are integrated in the Program Administration budget.
- 127. The impact evaluations are financed directly by MCC.

Table N° 10 : Costs of MCA-Senegal M&E Plan

| Activities | Sub-Activities | Budget (MEP 1st draft) | Budget (MEP revised) | Budget (close out MEP) | Justification |
|---------------------------------|--|------------------------------|----------------------|---------------------------|---|
| Baseline situation | Implementing Entity Agreement with ANSD Setting up an Project Management Unit Recruitment and training of investigators Surveys in the Irrigation zones (3 passages) and in the Roads Project zone (1 passage) Entering and Finalizing the surveys data base | \$ 590 000 | \$ 1 642 200 | \$ 1 572 682 | Change in the sampling and collection methodology (3 passages in the IWRM project zone |
| MEP Planning | Preparation and update of the M&E Plan Development of a ME Information System Additional equipment for the ME Acquisitions of software and training Data acquisition | \$ 600 000 | \$ 300 790 | \$ 316 620 | Suppression of equipment and data acquisition, Resorting to partnership, preparation by the MEP Directorate staff |
| Training ME | Monitoring-Evaluation Directorate Team Teams of MCA- Senegal Projects M&E Focal Points of PMU Roads and Irrigation | \$ 500 000 | \$ 127 795 | \$103 223 | Training sessions delayed by the study on "skills evaluation" |
| Performance indicators tracking | Data collection missionsData quality review studies | \$ 300 000 | \$ 457 672 | \$ 278 602 | Under-estimation of data quality review studies Cancellation of study on the third data quality review in 2015 |
| ME studies and surveys | Surveys Impacts of roads on economic activities Roads survey: Traffic, Origin and Destinations | \$ 1 350 000 | \$ 1 750 000 | \$190 000 | Cancellation of final surveys of IWRM and Road Projects; Cancellation of surveys of road impacts on economic activities |

| Evaluation | Final surveyMid-Term evaluationFinal evaluation | \$ 450 000 | \$ 375 000 | 0 | Cancellation of mid-term and final evaluations |
|---------------------------------|--|---|---|---|--|
| Communication | Study and exchange tours Half-yearly workshops for information of Stakeholders Annual information workshop with the Press Printing the annual report, Reproduction Workshop with ME Focal Points | \$ 457 500 | \$ 140 000 | \$ 82 284 | Difficulties to undertake communication activities and study tours Cancellation of annual information workshops with the media |
| Miscellaneous/ Contingencies | | \$ 100 000 | \$ 333 936 | \$ 2 548 219 | Contingencies |
| TOTAL • 609(G) • COMPACT | | \$ 4 547 500 \$ 590 000 \$ 3 757 500 | \$ 5 127 393 \$ 1 369 893 \$ 3 757 500 | \$ 5 091 633 \$ 1 334 131 \$ 3 757 500 | |



6. Annexes

6.1. Annex I: Glossary

<u>Accomplishment:</u> is the physical or no-physical state that results from products and services deriving directly from the implementation of project activities.

<u>Activity:</u> Actions taken or work performed through which inputs, such as funds, technical assistance and other types of resources are mobilized to produce specific outputs. As a general rule, several activities make up a Project and contribute to achieving the Project Objective.

<u>Assumptions:</u> explicit and reasonable suppositions about the behaviors of variables or factors exogenous to the project (background information) likely to have an impact on the progress or success of this project. They are expressed in the form of permissive conditions in the program logic and relating to conditions considered as necessary to fully achieve the set objectives.

Baseline (starting point): the situation before a development action that serves as a reference point against which the progress achieved can be assessed or compared. It is the description of the state in which, prior to the intervention, the project's action zone, the beneficiaries, the main stakeholders are in, as well as the key parameters for the realization, outcome and impact indicators. All this information will serve as a benchmark to measure the progress accomplished.

<u>Baseline survey or baseline study:</u> a survey or study conducted at the start of a project/program and prior to the development intervention in order to obtain information that could establish a reference situation including data on each category of actors and beneficiaries. It will serve as a reference point against which the progress made (results and accomplishments) can be assessed and as an important reference for the final evaluation.

<u>Beneficiary:</u> a person whose standard of living is improved through an increase in income deriving from the economic gains generated by projects financed by MCC.

<u>Common indicator:</u> indicators used by MCC to pool the results of different countries in some sectors and provide an external report on key stakeholders.

<u>Compact</u> – the agreement referred to as *Millennium Challenge Compact*, concluded between the United States, acting through the *Millennium Challenge Corporation*, and the Government of countries benefitting from the assistance of the *Millennium Challenge Account* pursuant to which, the MCC provides this assistance to the country.

<u>Counterfactual situation:</u> the situation or conditions which, according to assumptions, would have occurred for some people or groups of people, in the absence of the MCC program.

<u>Critical condition:</u> condition which belongs to the project environment and which is out of control and outside the responsibility of the project manager.

Outcomes: changes, intended or unintended, that derive directly or indirectly from a development intervention.

<u>Economic Rate of Return (ERR):</u> an analysis of growth at micro-economic level which measures the increases expected in household incomes or the added value of different firms to compare them with the costs linked to income increases. The economic rate of return is expressed in terms of percentage and represents the interest rates for which the discounted net benefits is equal to the net discounted costs.

Efficiency. correlation between the results obtained and the means deployed (human, material, financial, time, etc.).

Effectiveness: the extent to which a project achieves desired changes for its target population.

Entry Into Force: date with effect from which the Compact comes into force, i.e. the beginning of its lifespan. The Compact duration is 5 years.

<u>Evaluation</u>: systematic and objective assessment of an ongoing or completed program, of its development, its implementation and its results. The purpose of the evaluation is to provide responses to specific questions, make an overall judgment on an operation and draw lessons meant to improve the actions, planning and future decisions. The evaluation is generally meant to determine the efficiency, effectiveness, impact, sustainability and relevance of the objectives of the project or the organization.

<u>Final evaluation</u>: an evaluation performed at the end of the project or of the period of implementation of an action in order to identify the performances, results and impacts in comparison to the baseline and its objectives.

<u>Goal</u> – the ultimate objective of a development action. As far as the Compacts go, the purpose has always been to reduce poverty through economic growth.

<u>Goal indicator:</u> indicators that measure developments in economic growth and poverty reduction observed during and after the program's implementation.

<u>Impact evaluation:</u> a study that appraises the evolution of the income of individuals, households or the community as well as other welfare aspects as a result of the action of a given project or program. The distinctive feature of the Impact Evaluation is the use of the counterfactual scenario, which identifies what would have become of beneficiaries if the project or program did not exist.

<u>Impact:</u> the effect a Compact is expected to have on the beneficiaries. The impact of MCC Compacts is poverty reduction through economic growth.

<u>Indicator:</u> a quantitative or qualitative variable, which provides simple and reliable means of measuring the performance of a development action.

Inputs: the financial, human and material resources used for development interventions.

<u>Integrated Management System:</u> a system designed to collect, process, and store and disseminate data to help in the management of programs.

<u>Mid-term review:</u> evaluation performed mid-way of the program's intervention period in order to identify the performance and results of the project in relation to the reference situation and the initial objectives.

<u>Relevance:</u> measurement in which the objectives of a project correspond to the priorities of the target group and the policies of borrowers and donors.

<u>Results-based management:</u> a management philosophy and approach that focuses more on the achievement of results with respect to planning, implementation and monitoring-evaluation. It is based on the principle of the commitment made to achieve results and serves as a guide for the definition of activities, the evaluation of means deployed and the management strategy of the project / program. It is meant to compare the expenditure on the activity and the activity of beneficiaries and to ensure traceability and accountability.

<u>Result:</u> the outcome or impact of a development intervention, it is a measurable and describable change that results from the performance of a certain number of activities or derives from a cause-and-effect relationship.

<u>Risk management:</u> comprises the entire processes of the project's risk management planning, identification and analysis, responses as well as its monitoring and control. Most of these processes are updated throughout the project's lifespan. The objectives of risk management are to increase the likelihood and impact of positive events and reduce the likelihood and impact of events unfavorable to the project.

<u>Risks:</u> threat to the internal or external environment, likely to delay or prevent the accomplishment of the project objectives, hamper its timely commencement or continuation. It involves the possibility that an event with undesirable consequences may occur.

<u>Stakeholders:</u> the people and organizations actively involved in the project or program, or whose interests may be positively or negatively impacted by the implementation or completion of the project.

<u>Sustainability</u>: probability that the positive effects of a project or a program continue after the termination of funding.

<u>Target</u> – the result that a specific indicator is expected to achieve at a given time.

6.2. **Annex II**: Program logic

6.2.1. Logic of the Irrigation and Water Resources Management Project

| | Problem | Activity/Sub-Activities | Outputs (Years 1-5) 2010 - 2015 | Short-term Outcomes (Year 5) 2015 | Medium/Long-term Outcomes (Years 6-10) 2016 - 2020 | Impacts (Years 10-20) |
|---|--|--|---|--|--|---|
| e Delta (\$159.4m) | Poor agricultural yields have led to the abandon of several hectares of land, Poor agricultural yields have always | - Construction in the Delta | - Creation of temporary jobs - 17 water control structures created - 149 km of channels rehabilitated - 36 km of new channels - 8 km of protection dykes constructed | Land area developed (37,941 hectares) Increase in hectares under production 23.160 ha cultivated Increase in water flow (65m3 | | |
| Activity in the | been a problem due to the poor irrigation quality and existing drainage infrastructure, insufficient supply of water available in the agricultural | problem due to the poor n quality and existing drainage ucture, insufficient supply of - Environmental and social mitigation - Implementation of the RAP - Implementation of social and gender aspects | | per second) - Setting up a satisfactory drainage system (number of ha drained) | - Increase in cropping intensity (CI Delta, CI Ngalenka) | |
| Activity in the Ngalenka(\$159.4 | zones and the non-existence of an appropriate drainage system (leading to soil salinity). | - Construction of a new 450ha irrigated area of cultivable land | Creation of temporary jobs 6 km of protection dykes built 25 km primary and secondary channels built 14 km of access routes built 2 pumping stations created | - 440 ha under production | - Increase in Agricultural Production - 277,000 tons of paddy rice - 115,000 tons of tomatoes | - 268,000 project beneficiaries |
| Land tenure security activity (\$3.9m) | Unattractive investment climate due to uncertain property rights and an increased potential for land disputes because of the growing demand for irrigated land following the IWRM project land conflicts recurring low formalization of land tenure rights lack of tools for land management misunderstanding by the actors the tools and institutional framework for land management unreachable judiciary | Clarification of the land situation - Land allocation and formalization of titles - establish and apply land tenure security tools - Capacity building - Set up land dispute management committees | - Landed property known or land rights clarified - 41.862 ha mapped - Land rights formalized (3,440 ha formalized) - Land rights of vulnerable groups strengthened - 9 Support Technical Committees reinforced and operational - 7 land registers and 2 land registries, updating the POAS, land information system and creation of manuals of procedures for land allocation - 600 individuals trained in land tenure security tools - Creation of 33 Organizations of Water Users | - Local governance of land resources improved - Understanding of management and land tenure security tools improved - Reduction of land disputes - Technical capacities of Local Governments al Governments and decentralized Technical Services strengthened - Land disputes managed and resolved | - Job opportunities in the agricultural sector reinforced - Access to land improved - Investments security - Upkeep and maintenance of infrastructure - Contribution to the increase in investments in the agricultural sector | - 35% increase in the income of households - Self-sufficiency/Food Security |

| | Problem | Activity/Sub-Activities | Outputs (Years 1-5) 2010 - 2015 | Short-term Outcomes (Year 5) 2015 | Medium/Long-term Outcomes (Years 6-10) 2016 - 2020 | Impacts (Years 10-20) |
|--------------------------|---------|-------------------------|------------------------------------|--------------------------------------|--|--------------------------|
| Social Safegu ards | | | | | | |

^{*}The figures cited in this program logic have not been updated to correspond with any new targets set in this M&E Plan revision. Though the outcome logic remains the same, the figures may have changed.

6.2.2. Logic of Roads Rehabilitation Project

| | Problem | Activity/Sub-Activities | Outputs (Years 1-5) 2010 - 2015 | Short-term Outcomes (Year 5) 2015 | Medium/Long-term Outcomes (Years 6-10) 2016 - 2020 | Impacts (Years 10-20) |
|--------------------------|---|---|---|---|---|---|
| Rehabilitation of RN2 | The Roads Rehabilitation Project is designed to increase beneficiaries' access to domestic and international markets thanks to better quality roads and a | Rehabilitation of RN2 - Construction of the Ndioum Bridge Social and Environmental Mitigation2 - Social and Gender Integration3 | Creation of temporary jobs related to the works - 120km of roads are rehabilitated on RN2 Implementation of RAP5 -Implementation of social and gender aspects | - Improved quality of roads - Increased traffic on RN2 and RN6 | - Increased economic opportunities for | - 260,000 project beneficiaries - Increase in |
| of | reduction in travel time and costs. The road sector plays a key role in Senegal. About 99% of goods | Rehabilitation of RN6 -Construction of Kolda Bridge | Creation of temporary jobs related to works -256km of roads are rehabilitated on RN6 | Reduction of travel times Reduction of transportation costs Improved accessibility to basic social services | households - Increased trade flows and opportunities - Increased turnover for | beneficiaries' income/ Beneficiary |
| Rehabilitation RN6 | produced in Senegal are transported by road and 95% of domestic travels are done by road. | Social and Environmental Mitigation2 - Social and Gender Integration3 | Implementation of RAP -Implementation of social and gender aspects | - Improved accessibility to domestic and international markets | businesses | consumption |

^{*}The figures cited in this program logic have not been updated to correspond with any new targets set in this M&E Plan revision. Though the outcome logic remains the same, the figures may have changed.

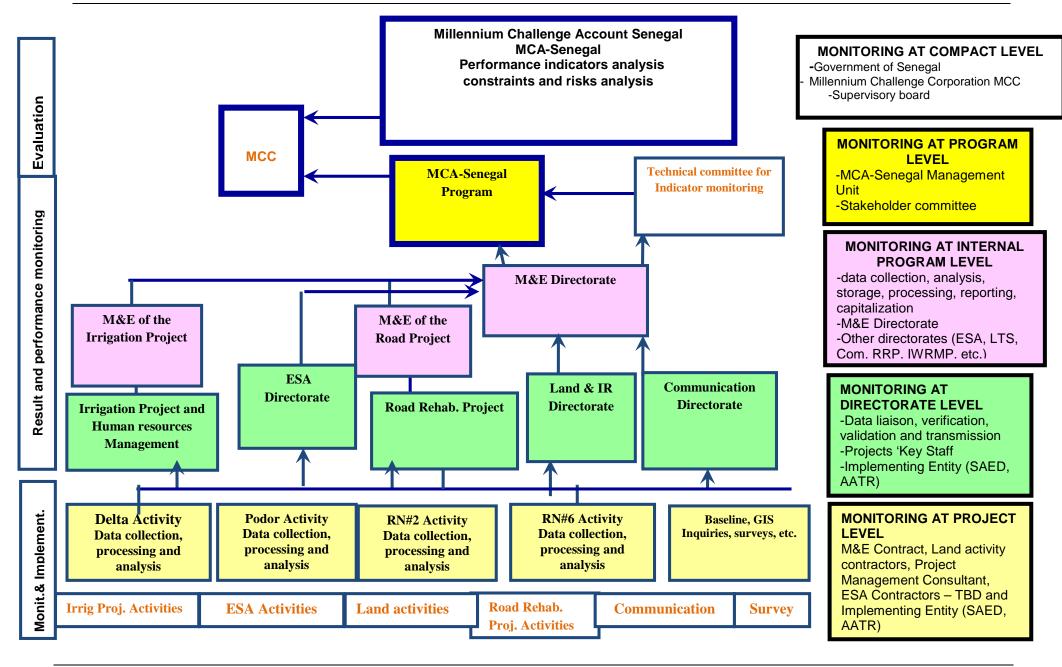
6.3. Annex III: Monitoring-Evaluation Stakeholders Analysis

| Key stakeholders | Objectives pursued or interests in relation to MCA-S Monitoring- Evaluation (expressed or not) | Power / capacity (key strengths and weaknesses) in relation to ME | Relational position (objective) | Strategies / actions envisaged (for the benefit of MCA-S's ME) |
|--|---|---|--|---|
| 1 Government of Senegal | Monitoring and Evaluation of Compact implementation Monitoring the contribution to the fight against poverty and to other planning documents or strategies Building structuring infrastructure Capitalizing on the process | Represented by member institutions of the Supervisory Committees | Decision-makers, represented by structures members of the MCA-S Supervisory Board | <u>Observe</u>: the directives, policy amendments, strategies, other ME mechanisms; <u>Communicate</u>: formal (correspondences, briefing notes, reports) and informal (restitution of studies, organization of missions, participation in forums / workshops / seminars) on indicators, performance, analyses of MEP; <u>Satisfy</u>: all identified and new information needs; <u>Collaborate</u>: direct and formal collaboration |
| 2 Millennium Challenge Corporation MCC | Monitoring and evaluation of Compact implementation Monitoring Compact performance through the performance indicators referred to in the agreements Monitoring the consistency of the MEP with the directives | Putting the ME procedures in place Approval of work plans, budgets, management actions Approval of the Monitoring & Evaluation Plan Ensuring compliance with the MEP, the quality and reliability of ME data Control and Approval of MEP products | Donors, Observer in the Supervisory Board Approval of products deriving from the MEP Evaluation of the performance of the ME mechanism Updating the MEP (revisions of MEP) | Observe: the directives, policy amendments, strategies, other ME mechanisms; Communicate: formal (correspondences, briefing notes, reports) and informal (restitution of studies, organization of missions, participation in forums / workshops / seminars) on indicators, performance, analyses of MEP; Satisfy: all identified and new information needs; Collaborate: direct and formal collaboration |
| 3 Supervisory Board | Monitoring and Evaluation of Compact implementation Identification of implementation constraints Monitoring and evaluation of the performance of the program management unit Evaluation of implementing partners' participation | Validation of the M&E Plan Identification of new information needs for ME | Validation of products deriving from the MEP Evaluation of the performance of ME mechanism Updates (revisions of MEP) | <u>Observe</u>: the directives, policy amendments, strategies, other ME mechanisms; <u>Communicate</u>: formal (correspondences, briefing notes, reports) and informal (restitution of studies, organization of missions, participation in forums / workshops / seminars) on indicators, performance, analyses of MEP; <u>Satisfy</u>: all identified and new information needs; <u>Collaborate</u>: direct and formal collaboration |
| Committee | Monitoring Compact implementation Providing information on MCA-S activities and the level of performance Identification and implementation of axes of synergy and convergence | Consultation in the implementation and development of MEP | | <u>Observe</u>: the directives, policy amendments, strategies, other ME mechanisms; <u>Communicate</u>: formal (correspondences, briefing notes, reports) and informal (restitution of studies, organization of missions, participation in forums / workshops / seminars) on indicators, performance, analyses of MEP; <u>Satisfy</u>: all identified and new information needs; <u>Collaborate</u>: direct and formal collaboration |

| Key stakeholders | Objectives pursued or interests in relation to MCA-S Monitoring- Evaluation (expressed or not) | Power / capacity (key strengths and weaknesses) in relation to ME | Relational position (objective) | Strategies / actions envisaged (for the benefit of MCA-S's ME) |
|---|---|---|---|---|
| 5 MCA-Senegal Support Unit | | Consultation in the implementation and development of the MEP Support-advice in the functioning of MEP Intermediation with other ME mechanisms among development partners | Support-advice in the implementation and functioning of MEP | Observe: the directives, policy amendments, strategies, other ME mechanisms; Communicate: formal (correspondences, briefing notes, reports) and informal (restitution of studies, organization of missions, participation in forums / workshops / seminars) on indicators, performance, analyses of MEP; Satisfy: all identified and new information needs; Collaborate: direct and formal collaboration |
| 6 Project Teams and Directorates of MCA- Senegal | conducted under the supervision or control of the team Evaluation of the team's performance Identification of implementation constraints | Providing information on the implementation and indicators, update Analysis and interpretation of results Reporting | functioning of MEP | <u>Communicate</u>: formal (correspondences, briefing notes, reports) and informal (restitution of studies, organization of missions, participation in forums / workshops / seminars) on indicators, performance, analyses of MEP; strengthen capacities in ME of activities carried out under their supervision; <u>Satisfy</u>: all identified and new information needs; if it does not entail additional costs <u>Collaborate</u>: direct and formal and informal collaboration |
| 7 MCA-Senegal Monitoring & Evaluation Directorate | Monitoring the performance of activities conducted under the supervision or control of the team Identification of implementation constraints Providing information on the performance and indicators Organization, functioning and management of PE mechanism | Providing information on the implementation and indicators Analysis and interpretation of results Reporting on the activities and their performance Ensuring the quality and reliability of ME data | Lead facilitator, Manager, Information System Controller Implementation of changes (MEP update and revision) | |
| 8 Direct Beneficiaries (Households and Firms in the intervention zone) | Obtaining information on MCA-S activities and on the level of | Providing information and data on their appreciation of the implemented activities Identification of constraints | Beneficiaries of MEP products (information) | Observe: their interest on the data provided (format or type of medium used); Communicate: formal and informal (restitution, organization of meetings, participation in activities) on the indicators, performances, analyses of the MEP; strengthen capacities in ME; Satisfy: all identified and new information needs, if this does not entail any additional costs; Collaborate: indirect, formal collaboration (through communication media) and informal collaboration (personal communication). |
| 9 Implementing Partners (SAED and | | Providing primary and secondary data to the MEP of MCA-S Providing secondary data for the MEP of MCA-S | Intervene (provide information) in the data collection process Beneficiaries of support for capacity building in ME; capitalization | Observe: their ME mechanisms; the observations and proposals for improvement on the MEP and the products; Communicate: formal (correspondences, briefing notes, reports) and informal (restitution of studies, organization of missions, participation in forums / workshops / seminars) on indicators, performance, analyses of MEP; |

| Key stakeholders | Objectives pursued or interests in relation to MCA-S Monitoring- Evaluation (expressed or not) | Power / capacity (key strengths and weaknesses) in relation to ME | , , , , | Strategies / actions envisaged (for the benefit of MCA-S's ME) |
|--------------------------------------|---|---|---|---|
| | | | | <u>Satisfy</u>: all identified and new information needs;, if it does not entail any additional costs; <u>Collaborate</u>: direct, formal and informal collaboration between ME mechanisms; identify axes of convergence and synergy. |
| 10 Partners (ANSD, DEEC) | Data exchanges and collaboration between their ME mechanisms and that of MCA-S Obtaining information on MCA-S activities and level of performance | Providing secondary data for MCA-S' MEP | Partner in the institution of the data quality strategy(ANSD) | Observe: their requirements on ME data quality; the observations and proposals for improvement on the MEP and the products; Communicate: formal (correspondences, briefing notes, reports) and informal (restitution of studies, organization of missions, participation in forums / workshops / seminars) on indicators, performance, analyses of MEP; Satisfy /all identified and new information needs;, if it does not entail any additional costs; Collaborate: direct, formal and informal collaboration, through a cooperation agreement. |
| 11 Consultants, Service Providers | Benefiting from business opportunities offered by MCA-S' ME Providing data on MCA-S activities | Providing secondary data for MCA-S's MEP | Intervene in the collection of data on the activities, through surveys or studies Actor in the institution of the data quality strategy | Observe: the quality od data provided, compliance with the terms of reference, the methodologies used, etc.; Communicate: formal (correspondences, notes, letters, mailing) and informal (meeting, restitution, etc.); Collaborate: direct, formal and informal collaboration. |
| 12 Media | Obtaining information on MCA-S activities and the level of performance | Power of influence, partner in the dissemination of information on MCA-S Providing information and data on the appreciation of the implemented activities | Power of influence Beneficiaries of MEP products (information) | <u>Observe</u>: their interests in the data provided (format or type of medium used), use of data and the publications of articles on the activities; <u>Communicate</u>: formal (workshops, organization of visits, providing MEP products, workshops to present results) on the indicators, performances, analyses of the MEP; <u>Satisfy</u>: all identified and new information needs;, if it does not entail any additional costs; <u>Collaborate</u>: direct and formal collaboration. |
| 13 General Public | Obtaining information on MCA-S activities and the level of performance | Providing information and data on the appreciation of the implemented activities Identification of constraints | Beneficiaries of MEP products (information) | Observe: their interests in the data provided (format or type of medium used); Communicate: formal through the Press, MEP and Web Site productions; Satisfy: all information needs. |

6.4. Annex IV: M&E organization Chart



6.5. Annex V: Performance indicators targets

| Indicator | Units | Indicator Classification Type | Baseline | Baseline Year | Year 1 Oct. 2010 - Sept. 2011 | Year 2 Oct. 2011 - Sept. 2012 | Year 3 Oct. 2012 - Sept. 2013 | Year 4 Oct. 2013 - Sept. 2014 | Year 5 Oct. 2014 - Sept. 2015 | Long Term (for outcome indicators) |
|--|------------|-------------------------------------|-------------------------|---------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|
| | | | | PROGRAM | | , | <u>'</u> | | | |
| Indicator P1. Rate of variation of beneficiaries' net income drawn from the Irrigation Project | Percentage | Level | 0 | 2011-12 | | 0 | | | N/A | 35 |
| Indicator P.2. Change in vehicle operating costs per trip/kilometer for the RN2 | US\$ | Level | 0 | 2010 | | 0 | | | 0.05 | N/A |
| Indicator P3. Change in vehicle operating costs per trip/kilometer for the RN6 | US\$ | Level | 0 | 2010 | | 0 | | | 0.16 | N/A |
| | | IRRIGATIO | <mark>on and wat</mark> | ER RESOURCE | <mark>S MANAGEMEN</mark> | T PROJECT | | | | |
| Indicator IWRM.1.: Rice Paddy Production (Delta/ Ngalenka) | Tons | Level | 102 000 | 2010-11 | 102 000 | 107 000 | 107 000 | 107 000 | 111 000 | 277 000 |
| Indicator IWRM.2. : Tomato production (Delta and Ngalenka) | Tons | Level | 12 700 | 2010-11 | 12 700 | 14 200 | 14 200 | 14 200 | 35 500 | 115 000 |
| Indicator IWRM.3.: Onion production (Delta and Ngalenka) | Tons | Level | 10 900 | 2010-11 | 10 900 | 16 000 | 16 000 | 16 000 | 40 000 | 130 000 |
| Indicator IWRM.4. : Cropping intensity (Delta) | Percentage | Level | 60% | 2011-12 | 60% | 60% | 60% | 60% | 70% | 150% |
| Indicator IWRM.5.: Cropping intensity (Ngalenka) | Percentage | Level | 20% | 2011-12 | 20% | 20% | 0 | 100% | 120% | 180% |
| Indicator IWRM.6.: Total area with improved irrigation infrastructure (Delta and Ngalenka) | На | Level | 34 848 | 2010-11 | 34 848 | 36 541 | 37 554 | 38 381 | 38 381 | 42 721 |
| Indicator IWRM.7.: Hectares under production across cropping seasons (Delta and Ngalenka) | На | Level | 21 400 | 2010-11 | 20 300 | 20 300 | 20 300 | 20 300 | 23 600 | 56 600 |

| Indicator | Units | Indicator | marcato. | | Year 1 Oct. 2010 - | Year 2 Oct. 2011 - | Year 3 Oct. 2012 - | Year 4 Oct. 2013 - | Year 5 Oct. 2014 - | Long Term (for outcome |
|--|---------|------------|----------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|
| indicator | Offics | Type | Daseille | Daseillie Teal | Sept. 2010 - | Sept. 2011 | Sept. 2013 | Sept. 2014 | Sept. 2014 - | indicators) |
| Indicator IWRM.8.: Total flow measured (Q) at the Ronkh and G works (Delta) | Rate | Level | 20 | 2010-11 | 20 | 20 | 20 | 20 | 65 | N/A |
| Indicator IWRM.9.: Number of hectares formalized (having a land allocation title and registered) | На | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 748 | 3 440 | N/A |
| Indicator IWRM.10. : Percentage of land disputes resolved | % | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 30 | 50 | 50 |
| Indicator IWRM.11. : Length of rehabilitated hydraulic axes in the Delta | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 40 | 144,5 | N/A |
| Indicator IWRM.12. : Length of the main drainage canal built in the Delta | Km | Cumulative | 0 | 2010-11 | 0,0 | 0,0 | 0,0 | 0,0 | 40,8 | N/A |
| Indicator IWRM.13. : Total length of canals and drains built in Ngalenka | Km | Cumulative | 0 | 2010-11 | 0,0 | 0 | 25 | 25 | 25 | N/A |
| Indicator IWRM.14. : Hectares under improved irrigation (with MCC support) | На | Cumulative | 0 | 2011-12 | | 0 | 0 | 35 480 | 35 480 | 42 721 |
| Indicator IWRM.15. : Stakeholders trained | Number | Cumulative | 0 | 2010-11 | 0 | 0 | 200 | 400 | 600 | N/A |
| Indicator IWRM.16.: Number of hectares of mapped land | На | Cumulative | 0 | 2010-11 | 41 862 | 41 862 | 41 862 | 41 862 | 41 862 | N/A |
| Indicator IWRM.17. : Conflicts successfully mediated | Number | Cumulative | 0 | 2011-12 | | 0 | 0 | N/A | N/A | N/A |
| Indicator IWRM.18. : Parcels corrected or incorporated in land system | Parcels | Cumulative | 0 | 2011-12 | | 0 | 5 694 | 5 787 | 5 787 | N/A |
| Indicator IWRM.19. : Land rights formalized 12 | Number | Cumulative | 0 | 2011-12 | | 0 | 0 | 600 | 2500 | 2500 |
| Indicator IWRM.20. : Value of signed irrigation feasibility and design contracts | US\$ | Cumulative | 0 | 2010-11 | 2 560 950 | 3 658 398 | 11 494 547 | 11 494 547 | 11 494 547 | N/A |

¹² This indicator refers to households, businesses and legal entities that have formalized land rights.

| | | Indicator | | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Long Term | |
|---|--------|------------------------|----------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--|
| Indicator | Units | Classification Type | Baseline | Baseline Year | Oct. 2010 - Sept. 2011 | Oct. 2011 - Sept. 2012 | Oct. 2012 - Sept. 2013 | Oct. 2013 - Sept. 2014 | Oct. 2014 - Sept. 2015 | (for outcome indicators) | |
| Indicator IWRM.21.: Percent disbursed of irrigation feasibility and design contracts | % | Level | 0 | 2010-11 | 12 | 32 | 54 | 77 | 100 | N/A | |
| Indicator IWRM.22. : Value disbursed of irrigation feasibility studies and design contracts | US\$ | Cumulative | 0 | 2010-11 | 1 379 345 | 3 678 255 | 6 207 055 | 8 850 801 | 11 494 547 | N/A | |
| Indicator IWRM.23. : Value of signed irrigation construction contracts | US\$ | Cumulative | 0 | 2010-11 | 0 | 19 153 347 | 130 883 874 | 130 883 874 | 130 883 874 | N/A | |
| Indicator IWRM.24. : Percent disbursed of irrigation construction contracts | % | Level | 0 | 2010-11 | 0 | 0 | 37 | 80 | 100 | N/A | |
| Indicator IWRM.25. : Value disbursed for irrigation construction contracts | US\$ | Cumulative | 0 | 2010-11 | 0 | 0 | 48 427 033 | 104 707 099 | 130 883 874 | N/A | |
| Indicator IWRM.26. : Number of training sessions on land tenure security tools | Number | Cumulative | 0 | 2010-11 | 0 | 0 | 30 | 54 | 72 | N/A | |
| Indicator IWRM.27. : Number of man/days of training on land tenure security tools | Number | Cumulative | 0 | 2011-12 | | 0 | 2400 | 4800 | 6400 | N/A | |
| Indicator IWRM.28.: Number of participants in training modules on land tenure security tools | Number | Cumulative | 0 | 2011-12 | | 0 | 600 | 1200 | 1600 | N/A | |
| Indicator IWRM.29. : Temporary employment generated in irrigation | Number | Cumulative | 0 | 2011-12 | | N/A | N/A | N/A | N/A | N/A | |
| Indicator IWRM.30. : Number of land management committees and commissions set up or improved upon | Number | Cumulative | 0 | 2010-11 | 9 | 9 | 9 | 9 | 9 | N/A | |
| ROADS REHABILITATION PROJECT | | | | | | | | | | | |
| Indicator PRR.1. : Average annual daily traffic (AADT) Richard-Toll – Ndioum | Number | Level | 1 029 | 2011-12 | | 1 029 | | | 1155 | N/A | |

| Indicator | Units | Indicator Classification | Baseline | Baseline Year | Year 1 Oct. 2010 - | Year 2 Oct. 2011 - | Year 3 Oct. 2012 - | Year 4 Oct. 2013 - | Year 5 Oct. 2014 - | Long Term (for outcome |
|--|--------|-----------------------------|----------|---------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------------|
| | | Туре | | | Sept. 2011 | Sept. 2012 | Sept. 2013 | Sept. 2014 | Sept. 2015 | indicators) |
| Indicator PRR.2 : Average annual daily traffic (AADT) Ziguinchor – Tanaff | Number | Level | 571 | 2007 | | 181 | | | 963 | N/A |
| Indicator PRR.3. : Average annual daily traffic (AADT) Tanaff – Kolda | Number | Level | 301 | 2007 | | 23 | | | 562 | N/A |
| Indicator PRR.4. : Average annual daily traffic (AADT) Kolda – Kounkané | Number | Level | 798 | 2007 | | 716 | | | 1426 | N/A |
| Indicator PRR.5. : Rate of change in the duration of travel time on RN2 | % | Level | 0 | 2011-12 | | 0 | | | -15 | -15 |
| Indicator PRR.6. : Rate of change in the duration of travel time on RN6 | % | Level | 0 | 2011-12 | | 0 | | | -50 | -50 |
| Indicator PRR.7. : Roughness (RN2) | m/km | Level | 3,2 | 2011-12 | | 3,2 | | | 2,4 | N/A |
| Indicator PRR.8 : Roughness (RN6) | m/km | Level | 13,0 | 2011-12 | | 13,0 | | | 2,5 | N/A |
| Indicator RRP.9. : Road Traffic Fatalities | Number | Level | 43 | 2013-14 | | | | N/A | N/A | N/A |
| Indicator PRR.10 : Kilometers of rehabilitated roads on RN2 | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 0 | 120 | N/A |
| Indicator PRR.11 : Kilometers of rehabilitated roads on RN6 | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 0 | 252 | N/A |
| Indicator RRP.12. : Kilometers of roads under design | Km | Cumulative | 0 | 2010-11 | 406 | 406 | 406 | 406 | 406 | N/A |
| Indicator RRP.13.: Value of signed road feasibility and design contracts | US\$ | Cumulative | 0 | 2010-11 | 2 345 311 | 2 345 311 | 9 794 690 | 9 794 690 | 9 794 690 | N/A |
| Indicator RRP.14.: Percent disbursed of road feasibility and design contracts | % | Level | 0 | 2010-11 | 9 | 21 | 52 | 81 | 100 | N/A |
| Indicator RRP.15.: Value disbursed of signed road feasibility and design contracts | US\$ | Cumulative | 0 | 2014-15 | 881 522 | 2 056 884 | 5 093 238 | 7 933 698 | 9 794 690 | N/A |

| | | Indicator | | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Long Term |
|--|--------|------------------------|----------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|
| Indicator | Units | Classification Type | Baseline | Baseline Year | Oct. 2010 - Sept. 2011 | Oct. 2011 - Sept. 2012 | Oct. 2012 - Sept. 2013 | Oct. 2013 - Sept. 2014 | Oct. 2014 - Sept. 2015 | (for outcome indicators) |
| Indicator RRP.16. : Value of signed road construction contracts | US\$ | Cumulative | 0 | 2010-11 | 0 | 0 | 258 924 397 | 258 924 397 | 258 924 397 | N/A |
| Indicator RRP.17.: Percent disbursed of road construction contracts | % | Level | 0 | 2010-11 | 0 | 0 | 22 | 66 | 100 | N/A |
| Indicator RRP.18. : Value disbursed of road construction contracts | US\$ | Cumulative | 0 | 2014-15 | 0 | 0 | 56 963 367 | 170 890 102 | 258 924 397 | N/A |
| Indicator RRP.19. : Kilometers of roads under works contracts | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 372 | 372 | 372 | N/A |
| Indicator RRP.20.: Temporary employment generated in road construction | Number | Cumulative | 0 | 2011-12 | | 0 | N/A | N/A | N/A | N/A |
| Indicator RRP.21. : Kilometers of roads completed | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 12 | 234 | 372 | N/A |

6.6. Annex VI: Performance Indicators Tracking Sheet

| | Indica | ator Sheet | | | | | | | | | |
|---|---------------------------------------|---|---|---------------------------------|--|--|--|--|--|--|--|
| Project title: | | Responsible for the Indicator : | | | | | | | | | |
| Objective : | | Level: | | | | | | | | | |
| Name of indicator: | | Definition (scope, specificity, etc.) : | Definition (scope, specificity, etc.) : | | | | | | | | |
| Measured values (compared) : | | Origin of data (source) : | Origin of data (source) : | | | | | | | | |
| Units : | Baseline : | Target at the end of the Compact : | Frequency of collection: | Indicator Classification Type : | | | | | | | |
| Users of the monitoring results (and c | ollected data) : | | | | | | | | | | |
| Period | Annual Target | Real Value | % implemented during the year | Deflection | | | | | | | |
| Year 1 | | | | | | | | | | | |
| Year 2 | | | | | | | | | | | |
| Year 3 | | | | | | | | | | | |
| Year 4 | | | | | | | | | | | |
| Year 5 | | | | | | | | | | | |
| | | | | | | | | | | | |
| · Type of representation (gra | phic or other): | | | | | | | | | | |
| | | | | | | | | | | | |
| · Use, analysis, interpretation | n, recommendations, decisions, action | os: | | | | | | | | | |
| - What doesrepresent (compare the graph) ? | | | | | | | | | | | |
| - What interpretation can be made? | | | | | | | | | | | |
| - What can be recommended following these observations? | | | | | | | | | | | |
| - What decisions should be taken? | | | | | | | | | | | |
| - What are the actions that need to be taken? | | | | | | | | | | | |
| Note on monitoring: | | | | | | | | | | | |

6.7. Annex VII: Time Chart of the establishment and operation of the Monitoring-Evaluation Plan

| | | Year 1 | | | Year 2 | | | | Ye | ar 3 | | Year 4 | | | | Year 5 | | | | |
|--|----|--------|----|----|--------|----|----|----|----|------|----|--------|----|-------------|--|--------|----|----|----|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q1 Q2 Q3 Q4 | | | Q1 | Q2 | Q3 | Q4 |
| Planning | | | | | | | | | | | | | | | | | | | | |
| Validation and Approval of the Monitoring-Evaluation Plan | | | | | | | | | | | | | | | | | | | | |
| Development of the Monitoring-Evaluation Plan | | | | | | | | | | | | | | | | | | | | |
| Preparation and update of work plans | | | | | | | | | | | | | | | | | | | | |
| Instituting management procedures and tools at the level of projects, directorates and PMU | | | | | | | | | | | | | | | | | | | | |
| Establishing an Information System | | | | | | | | | | | | | | | | | | | | |
| Establishing an integrated GIS | | | | | | | | | | | | | | | | | | | | |
| Annual reviews of MEP and revisions | | | | | | | | | | | | | | | | | | | | |
| Study on data quality | | | | | | | | | | | | | | | | | | | | |
| Training | | | | | | | | | | | | | | | | | | | | |
| Team Monitoring & Evaluation Directorate | | | | | | | | | | | | | | | | | | | | |
| Teams of other MCA-S Directorates | | | | | | | | | | | | | | | | | | | | |
| Focal Points PMU, implementing agencies | | | | | | | | | | | | | | | | | | | | |
| Implementation | | | | | | | | | | | | | | | | | | | | |
| <u>Monitoring</u> | | | | | | | | | | | | | | | | | | | | |
| Compilation and analysis of indicators | | | | | | | | | | | | | | | | | | | | |
| Submission of indicators tracking tables | | | | | | | | | | | | | | | | | | | | |
| Submission of annual reports | | | | | | | | | | | | | | | | | | | | |
| Surveys: | | | | | | | | | | | | | | | | | | | | |
| Household and Business Survey | | | | | | | | | | | | | | | | | | | | |
| Roads Impact Surveys | | | | | | | | | | | | | | | | | | | | |
| Road & International Roughness Index Study | | | | | | | | | | | | | | | | | | | | |
| <u>Evaluation</u> | | | | | | | | | | | | | | | | | | | | |
| Mid-term evaluation | | | | | | | | | | | | | | | | | | | | |
| Final evaluation | | | | | | | | | | | | | | | | | | | | |
| Data quality review (external) | | | | | | | | | | | | | | | | | | | | |
| Coordination impact evaluation | | | | | | | | | | | | | | | | | | | | |

6.8.1. Framework of Quarterly Narrative Report

a. Sub-Activity 1b. Sub-Activity 2

B. Activity 2

| PR | OJECT I | NAME. |
|----|--------------------|--|
| | Content o | / Introduction : Summary of key activities of the preceding quarter and those of the following quarter in terms of deliverables, review, management of project, planning update, etc. |
| | В. | Activity 1 a. Sub-Activity 1 b. Sub-Activity 2 Activity 2 s / Performance: Explain the progress of the project's activities, the delays and measures taken or to be taken to |
| | | compensate for these delays, if appropriate. Describe how these delays affect the quarterly disbursement request. Activity 1 a. Sub-Activity 1 b. Sub-Activity 2 Activity 2 |
| | Costs : | Explain all the savings and expenditure overruns of more than the quarter during the preceding quarter and the remedial actions (if they had been taken). Activity 1 |
| | Problem 0 | a. Sub-Activity 1 b. Sub-Activity 2 Activity 2 as/ Difficulties: Provide a brief update of the progress of projects by Activity, all the potential and specific problems and measures to be taken to reduce their effects. Activity 1 |
| | B. Risks : o | a. Sub-Activity 1 b. Sub-Activity 2 Activity 2 Provide a brief update of the project risks during the quarter and the measures to be taken to mitigate them. The risks should also include the key risks described under the risk register. Activity 1 |

6.8.2. Framework of the Quarterly Progress Report for MCA-S' target public

LETTER HEAD WITH THE NAME OF THE DIRECTORATE OF ORIGIN

| | INITOODIJCTI | 711 |
|----|--------------|-----|
| ┙. | INTRODUCTION | עוע |

- Recall the objectives of the quarter for the PMU, the Directorate, the service responsible for General Observations on the progress of activities during the quarter (executive summary of the quarter for the PMU, the Directorate, the service)
- ☐ STATE OF IMPLEMENTATION OF THE QUARTERLY WORK PLAN
 - - Quarterly balance sheet and analysis
 - o Reminder of planned activities (qualitative objectives:
 - o The accomplishments during the quarter per activity and tasks:
 - o Name of activity:
 - Accomplishments
 - Performance Analysis
 - Specific difficulties
 - Name of activity:
 - Accomplishments
 - Performance Analysis
 - Specific difficulties

Table: Level of success of Product Performance Indicators during the quarter/20....

| Outcome XX. : "Entitled" | Indicators | Targets | Accomplishment | Efficiency rate | Observations justification of variances |
|--|-----------------------|---------|----------------|-----------------|---|
| | Indicators du product | | | | |
| Code according to the logical framework and name of Activity | Indicators | Targets | Accomplishment | Efficiency rate | |
| AXX1 | Indicators | | | | |
| AXX2 | Indicators | | | | |
| AXX3 | Indicators | | | | |
| | Indicators | | | | |

- o Lessons
- o Analysis of main constraints experienced and lessons in the implementation of the Product.

| DIFFIC | JLTIES ENCOUNTERED AND SOLUTIONS PROPOSED |
|--------|---|
| PERSP | ECTIVES |
| 0 | Key focus areas of the project, the PMU, the service or directorate during the next quarter |
| ANNEX | ES |
| 0 | Summary table of level of achievement of activities |
| 0 | Ftc |

6.8.3. Framework of the MCA-S Annual Progress Report

LETTER HEAD WITH THE NAME OF THE DIRECTORATE OF ORIGIN

| | INITOODIJCTI | 711 |
|----|--------------|-----|
| ┙. | INTRODUCTION | עוע |

- Recall the objectives of the quarter for the PMU, the Directorate, the service responsible for General Observations on the progress of activities during the quarter (executive summary of the year for the PMU, the Directorate, the service)
- ☐ STATE OF IMPLEMENTATION OF THE QUARTERLY WORK PLAN
 - ♣ Outcome or Result N°....: "Entitled"
 - o Quarterly balance sheet and analysis
 - o Reminder of planned activities (qualitative objectives:
 - o The accomplishments during the year per activity and tasks:
 - Name of activity:
 - Accomplishments
 - Performance Analysis
 - Specific difficulties
 - Name of activity:
 - Accomplishments
 - Performance Analysis
 - Specific difficulties

Table: Level of success of Performance Indicators of product..... during the quarter /20

| | Indicators | Targets | Accomplishment | Efficiency rate | Observations justification of variances |
|--|-----------------------|---------|----------------|-----------------|---|
| Outcome XX. : "Title" | Indicators du product | | | | |
| Code according to the logical framework and name of Activity | Indicators | Targets | Accomplishment | Efficiency rate | |
| AXX1 | Indicators | | | | |
| AXX2 | Indicators | | | | |
| AXX3 | Indicators | | | | |
| | Indicators | | | | |

- o Lessons
- Analysis of main constraints experienced and lessons in the implementation of the Product.
- ☐ DIFFICULTIES ENCOUNTERED AND SOLUTIONS PROPOSED
- PERSPECTIVES
 - o Key focus areas of the project, the PMU, the service or directorate during the next year
- ANNEXES
 - Summary table of level of achievement of activities during the year
 - Table on annual progress against Compact objectives
 - o Etc

6.9. Annex IX: Schematic presentation of the M&E Plan tools

| Functions | Sources | Key tools | Prime Contractor | Key products |
|--|---|---|--|--|
| Monitoring component : Monitoring Progress of Projects | Budget and Work Program Consultants' activities reports Field mission reports Study reports Procurement plan (PPM) | Audits of costs Audit of schedules S curve Audit of Geotechnicals Deflections per course IRI per segment | Directors des Projects Directors Techniques Direction Monitoring and Evaluation Administrative and Financial Directorate General Management | ✓ Updated and maintained work plan ✓ State of progress of works ✓ Scoreboard of management indicators and operation |
| Monitoring component: Monitoring Outcomes and Performance | Consultants' activity reports Activity reports of teams of directorates, Irrigation and Road Project management Units Surveys Studies Reports of Field Missions Etc. | Performance Indicators Indicator Tracking Table Report on the Progress of Activities (quarterly, year) at the level of PMU, directorates and MCA-S | Monitoring & Evaluation Directorate Irrigation and Roads Project Directorates Technical Directorates General Management | ✓ Report on the Progress of Activities (quarterly, year) ✓ Closing Report ✓ Performance Indicators Tracking Tables |
| Monitoring component : Risk Monitoring | Report on the Progress of Activities Work Plan Procurement Plan State financial implementation | Risk Indicators Tracking SheetRisk analysis | Projects Directorate Monitoring & Evaluation Directorate General Management | ✓ Risk Indicators Tracking Table✓ Risk analysis |
| Evaluation Component | Reports on the Progress of Activities (quarter and year) Visits, meetings, surveys Consultants' reports Etc. | Internal Evaluation Mid-Term Evaluation Final Evaluation Ad Hoc Evaluation Special Studies Household and Business Surveys Surveys of the Impact of roads on the economic activities Counting, Origin and Destination Surveys | Monitoring and Evaluation Directorate General Management Supervisory Board Stakeholders' Committee MCC Washington Government of Senegal | ✓ Annual Report ✓ Closing Report ✓ Mid-term and Final Evaluation Reports ✓ Reports on studies, surveys ✓ Surveys data base |

6.10. Annex X: Communication Matrix of the M&E Plan

| Phases | Start Implementation of the MEP | End of Quarter | End of Year | End of Compact |
|--------------------------|---|---|--|---|
| Communication objectives | Experience sharing, exchange Sharing the elements of analysis of the baseline surveys | - Communication on the results achieved during the quarter | - Communication on the results achieved during the quarter | Inform about the Compact results, the level of performance achieved |
| Body in charge | ✓ Communication Directorate ✓ Monitoring and Evaluation Directorate | ✓ General Management✓ Projects Directorate✓ M&E Directorate | ✓ M&E Directorate✓ General Management✓ Supervisory Board✓ MCC | ✓ General Management✓ Supervisory Board✓ MCC |
| Type of key message | The participatory process for the implementation of the MEP Content and products to be generated | Level of accomplishment of the activities and indicators during the quarter Overall performance of the quarter Implementation constraints | Level of accomplishment of the activities and indicators during the year Overall performance of the year Implementation constraints | Level of accomplishment of the activities and indicators during quarter Overall performance of the quarter Implementation constraints |
| Tools / Media | ✓ MCA-S Web Site ✓ Workshop with Stakeholders ✓ Media Day ✓ Validated MEP | ✓ MCA-S Web Site ✓ Workshop with Stakeholders ✓ Quarterly Progress Report | ✓ MCA-S Web Site ✓ Workshop with Stakeholders ✓ Media Day: presentation of the annual assessment ✓ Annual Progress Report | ✓ Capitalization Report ✓ Completion Report ✓ Media Day: presentation of the annual assessment |
| Targets | Stakeholders' Committee General Public Media Development Partners | Supervisory Board Stakeholders' Committee General Public Media Development Partners | Supervisory Board Stakeholders' Committee General Public Media Development Partners | Supervisory Board Stakeholders' Committee General Public Media Development Partners |

MILLENNIUM CHALLENGE ACCOUNT SÉNÉGAL (MCA-SENEGAL)



CLOSE OUT Monitoring and Evaluation Plan るるるるるるるるるるるるるるるるるるる。 Memorandum Close out MEP/2015

With the support of the:



| N° Version : | N° 03 |
|---|-----------|
| Date : | 12/2/2015 |
| Date d'approbation par le Conseil de Surveillance : | 9/18/2015 |
| Date d'approbation par MCC : | 10/5/15 |

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| | 2.29. | INDICATOR IWRM.29. THOMBER OF PARTICIPAINTS IN THE TRAINING MODULES ON LAND TENGRE SECORITY TOOLS | |
| | 2.30. | INDICATOR IWRM.30. NUMBER OF LAND MANAGEMENT COMMITTEES AND COMMISSIONS SET UP OR IMPROVED UPON | |
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| | 3.1. | INDICATOR RRP. 1. AVERAGE ANNUAL DAILY TRAFFIC (AADT) RICHARD-TOLL - INDIOUM | |
| | 3.3. | INDICATOR RRP.3. AVERAGE ANNUAL DAILY TRAFFIC (AADT) ZIGOINCHOR - TANAFF. INDICATOR RRP.3. AVERAGE ANNUAL DAILY TRAFFIC (AADT) TANAFF - KOLDA | |
| | 3.4. | INDICATOR RRP.4. AVERAGE ANNUAL DAILY TRAFFIC (AADT) TANAFF - ROLDA | |
| | 3.5. | INDICATOR RRP.5 RATE OF CHANGE IN THE DURATION OF TRAVEL TIME ON RN#2 | |
| | 3.6. | INDICATOR RRP.6. RATE OF CHANGE IN THE DURATION OF TRAVEL TIME ON THE RN#6 | |
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| | | | |

ACRONYMS

IWRM: Irrigation and Water Resources Management

NA: Not Applicable

RRP: Roads Rehabilitation Project

TBD: To Be Determined

DOCUMENTATION

Guidance on Common Indicator, May 2012, MCC

Lettre SAED N° 1959-12 du 12-12-2012

Méthode d'estimation des carrés de rendement du Riz

Méthode d'estimation des rendements des cultures de diversification

Plan de Travail du Projet Réhabilitation Routes

Plan de travail du Projet IWRM

Rapport à mi-parcours de la CNCE et Enquêtes O/D AGEROUTE, Janvier 2013

Rapport d'Orientation Méthodologique de l'Enquête de référence

Rapport mesure de débit du 12 Mars 2012" SAED, mars 2012)

Rapport Plan d'Action de Réinstallation de Ngalenka Rapport PAR Ngalenka (Direction ESA).

Rapport Technique d'orientation Version Finale de la CNCE de l'AGEROUTE, avril 2012

Résultats d'enquête Trafic et Origine – Destination – AGEROUTE, Sept. 2012 :

RN2 Model, MCC

Statistiques de Campagne 2011 de la SAED

TD-37 – ERR Indicators – IRI data collection, traffic counts and calculation of VOC and TTC with sensitivity analysis Principe de calcul de l'IRI, AGEROUTE, 2012

PERFORMANCE INDICATORS AT THE COMPACT GOAL LEVEL

1. Performance Indicators and Compact Targets

1.1. Indicator P.1. Rate of variation of beneficiaries' net income drawn from the Irrigation Project

| INDICATOR BASIC DETAILS | | | | | | | | |
|---|--|---|---|--|--|--|--|--|
| Indicator Name | Rates of variation of beneficial | eficiaries' net income drawn from the Irrigation Project | | | Version | | N° 03 / Sept 2015 | |
| Common Indicator Number | Not Applicable | Current Indicator | | P.1. | | All Previous Indicator N | umbers | P.1. |
| Level | Goal | Classification | | Level | | Unit of Measure | | Percentage |
| Detailed Definition | Variation of beneficiaries' net i | ncome, in real terms | (according to | gender), draw | n from the Ir | rigation Project. | | J |
| Frequency of Reporting | AT THE END OF THE COMPA | ACT | | Repor | ting Period | Covered Compact Durat | ion | |
| | By gender (YES/NO) | YES | | • | | <u> </u> | | |
| Disaggregation | By age (YES/NO) | NO | | | | | | |
| Disaygregation | By income (YES/NO) | YES (Quintile | e 1 (<1.25 \$/d) |), Quintile 2 (< | 2 \$/d), Quin | tile 3 (between 2 and 3\$/d) | , Quintile 4 (>4 \$/d)) | |
| | By locality (YES/NO) | NO | | | | | | |
| INDICATOR JUSTIFICATI | | | | | | | | |
| Justification for Including Indicator | variation in the beneficiaries variation; this will help asser | ts in developmental income. Indicator P.7 or not, whether the p | nfrastructure i 1 will therefore program contri | in the roads ar e provide elem ibuted to it or r | nd irrigation nents of resp not. | sectors. Thus, in the IWRN onse with regard to the var | If project area, this objective riation of the populations' in | will be assessed by the come and the cause of this |
| How does the indicator link to the ERR? | The income drawn from irrig and, primarily the "Water" ard drawn from irrigation will help | d "Land or land capita | al" factors, the | e program con | tributes to la | | | |
| How does the indicator link to the BA? | The increase in income draw downstream of the agricultur | n from irrigation will s | | | | eficiary populations and wi | ill also impact on the other a | activities upstream or |
| How does the indicator link to the impact evaluation? | The project is anticipated to irrigation, which will be meas the the program's activities has to income variation. | ured in the evaluatior ave not been implem | n. To measure ented. The co | e the impact of omparison beto | the project ween the init | on income, the evaluation tial and final situations of the | will include measurement ir ne two groups will represent | comparison zones in which the program's contribution |
| Justification for Disaggregation | The indicator shall be disagg variation is assigned to the h "Unspecified". | | | | | | | |
| INDICATOR ACQUISITION | | | | | | | | |
| Entity Responsible for Collecting Data at MCA | | nitoring - Evaluation I | Directorate | | | | | |
| Point of Contact Responsible Data at MCA: | sible for Collecting the Sic | iki Diomana DIOP | Phone | | 221.78. 637 | 02 32 | E-mail | sddiop@mcasenegal.org |
| Entity Responsible for th Data | | PMU-ANSD collected the data for the baseline survey in 2012 through an Implementing Entity Agreement between ANSD and MCA-S. To collect data for the final survey MCA-S will seek the services of a consultant in 2015. | | | | | | |

| Detailed description of data collection methodology (including any calculations computed by source) | including any calculations computed During the 3 passages at the end of the identified baseline periods (1/12/2011-31/03/2012; 01/04/2012-31/07/2012; 01/08/2012-30/11/2012). The follow-up survey will be undertaken in 2015. | | | | | |
|---|--|---------------------|---|---------------------------|--|--|
| If survey data, verbatim question(s) posed to respondent | Refer to Questionnaire Irrigation household: - Section D3: production per crop - Section D4: marketing per crop - Section G: Non-agricultural income | | | | | |
| Detailed description of how data is transmitted from source to MCA | | | ata base for the initial survey and the follow-up sur | vey. | | |
| Frequency and timing of data acquisition | | | Twice: at the start and after project completion | | | |
| Names of verification sources | | | Means of verification | | | |
| Base surveys: Report and data bases | | | Pivot table drawn on the data base | | | |
| Final surveys: Report and data bases | | | Pivot table drawn on the data base | | | |
| Location of Data Storage | | | MCA-Senegal | | | |
| INDICATOR DATA QUALITY | | | | | | |
| Date of Data Quality Review | | November 2014 | | | | |
| Main findings of data quality review | Average Score (out of 4) | | Recommendations | P.1 Validité | | |
| VALIDITY – Does the data clearly represent the desired results? | 3,4 | N/A | | Praticabilité 3 Fiabilité | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 3,7 | N/A | | 2 | | |
| 3. TIMELINESS- Are the data current and frequently collected? | 3,2 | N/A | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | 3,6 | N/A | | Adéquation Opportunité | | |
| 5. INTEGRITY- Is the data free from manipulation? | 4,0 | N/A | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 4,0 | of the project mor | of agricultural income would measure the impact re accurately. Otherwise, at the level of the impact appropriate. | Intégrité Précision | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 3,7 | N/A | | | | |
| Overall assessment | 3,7 | | | | | |
| Action taken in response to data quality review | | agricultural income | , the survey gathered data on the consumption an | d assets of households | | |
| Known data limitations and significance | Not Applicable | | | | | |
| Actions taken to address data limitations | Not Applicable | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | |

| Old Baseline | 0% | Old Baseline Year | | 2009-2010 | Source of old Baseline | MCA-S Work plan | | | | |
|---|----------------------------|------------------------------|------------------------------|----------------------------------|---|--|---|--|--|--|
| New Baseline | 0% | New Baselin | e Year | | 2011-2012 | Source of New Baseline | Data Bases of baseline surveys | | | |
| | | | | | | | the selected consultant. The survey was entrusted to ANSD the December 2011 – November 2012 period, i.e. prior to the | | | |
| | | CALCULATIO | NS . | | | | | | | |
| | | | Tar | get | | | | | | |
| Oct 20 | YEAR 1 010 - Sep | t 2011 | Old N/A | New N/A | Justification for changes to targets or calculations (if any) | The baseline survey was finally condu the works phase. | cted in the December 2011 – November 2012 period, i.e. prior to | | | |
| Explanation inputs to targ | of assum | ptions and | | | | <u>,</u> | | | | |
| | YEAR 2 | | Old | New | Justification for changes to | The baseline survey was conducted in | the December 2011 – November 2012 period, i.e. Prior to the | | | |
| Oct 20 |)11 - Sep | t. 2012 | 0% | 0% | targets or coloulations (if any) | works phase. Thus, the Year 2 figure for Oct 2011-Sept 2012 is fixed as the baseline, which would be 0%. | | | | |
| Explanation inputs to targ | | | | | | | | | | |
| | YEAR 3 | | Old | New | Justification for changes to | | | | | |
| | 012 - Sep | | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation inputs to targ | | | | | | | | | | |
| | YEAR 4 | | Old | New | Justification for changes to | | | | | |
| Oct 20 | 013 - Sep | t. 2014 | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation inputs to targ | | | | | | | | | | |
| | YEAR 5 | | Old | New | Justification for changes to | | | | | |
| Oct 20 | 014 - Sep | t. 2015 | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| Long Term Target Old New | | Justification for changes to | Justification for changes to | | | | | | | |
| 35% 35% | | | 35% | targets or calculations (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations The 35% target for po | | | | arget for pos | st-compact change was set in the c | ompact | | | | |
| COMMENTS | : | | | | | | | | | |
| | | | | | | | | | | |

SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) Report on Methodological Orientation of the baseline survey

1.2. Indicator P.2. Change in vehicle operating costs per trip/kilometer for the RN2

| INDICATOR BASIC DETAILS | | | | | | | | |
|--|-----------------|--|--|-----------------------|-------------------------|---------------------|----------------------|-----------------------|
| Indicator Name | Change in ve | | s per trip/kilometer for the | e RN2 | | Version | | N° 03 / Sept 2015 |
| Common Indicator Number | | | t Indicator Number | P.2. | | All Previous Ind | | New Indicator |
| Level | Goal | | fication | Leve | | Unit of Measure | | US\$ |
| Detailed Definition | | | el, the change in vehicle | | | | vehicle trips on the | ne road as well as by |
| Betaned Bernintion | | | e at an average change i | n vehicle operating c | osts per trip/kilometer | • | | |
| | | E END OF THE CON | IPACT, POST | | | | | |
| Frequency of Reporting | COMPACT | | T . | Reporti | ng Period Covered | POST COME | PACT | |
| | | der (YES/NO) | NO | | | | | |
| Disaggregation | | (YES/NO) | NO | | | | | |
| | | me (YES/NO) | NO | | | | | |
| | | lity (YES/NO) | NO | | | | | |
| INDICATOR JUSTIFICATION D | DETAILS | 1= | | | | | | |
| | | | A-Senegal Compact is to | | | | | |
| Justification for Including Indi | cator | | and services thanks to ir | | | | | |
| J | | | pal will be assessed by t | | | seholds. The P2 inc | dicator will therefo | re provide some |
| | | answers as to the change in vehicle operating costs on the RN6. | | | | | | |
| | | In addition to increaseing mobility, the roads facilitate access to services. Thus, by seeking to improve the quality of the network and reduce | | | | | | |
| How does the indicator link to | the ERR? | transportation costs and duration, the program will help reduce the operating costs of vehicles along the rehabilitated roads, which will result in | | | | | | |
| | | increased traffic of goods and people who are key to the economic benefits , and consequently , by improving the economic viability of program | | | | | | |
| | | activities | | | | | | |
| How does the indicator link to | the BA? | The improvement of the network's quality and the reduction of transportation duration and costs will be felt by beneficiaries located within a | | | | | | |
| | | radius of 5 km of the RN to be rehabilitated, through better access to basic social services as well as economic opportunities. | | | | | | |
| How does the indicator link to | the impact | The indicator will determine the increase in the income of beneficiary households of the Roads Rehabilitation Project. The roads project is expected to increase income of household and businesses along the roads. To measure the impact of the project on income, the evaluation will | | | | | | |
| evaluation? | ine impaci | | ent in comparison zones | | | | | |
| evaluation: | | | • | | , | | | 13011 Detweett the |
| | | initial and final situations of the two groups will represent the program's contribution to income variation. The indicator will not be disaggregated | | | | | | |
| | | The indicator will not be disaggregated | | | | | | |
| Justification for Disaggregation | ons | | | | | | | |
| | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | |
| Entity Responsible for Collect | | Monitoring & Evaluation | Directorate | | | | | |
| Point of Contact Responsible for Collecting the Data at MCA: | | | Sidiki Diombana DIOP | Phone | 221.78. 637 02 32 | 2 E-mail | sddiop@mcas | enegal.org |
| Futitiv Deen anaily of fauther and | | Data | MCC collected the data for the baseline using the HDM4 Modeling in 2015. | | | | | |
| Entity Responsible for the coll | iection of prin | nary Data | | | J | , | | |
| | | | | | | | | |

| Detailed description of data collection methodology (including any calculations computed by source) | | be pulled from the HDM-4 models conducted by MCC and/or its consultants, based on changes in road deflections, etc) as well as other model parameters (including traffic counts) | | | | | | | |
|---|-----------------------|--|--------------------------|---|--|--|--|--|--|
| If survey data, verbatim question(s) posed to respondent | Refer to Questionr | naire Road Proje | ct Household | | | | | | |
| Detailed description of how data is transmitted from source to MCA | The data are collect | cted by the PMU | -AGEROUTE with the | e support of MCC and transmitted to MCA-S. | | | | | |
| Frequency and timing of data acquisition Twice: at the end of compact and during the post compact | | | | | | | | | |
| Names of verification sources Means of verification | | | | | | | | | |
| Baseline surveys : Data base | | Data bas | Data base analysis table | | | | | | |
| Final surveys: Data base | | Data bas | se analysis table | | | | | | |
| Location of Data Storage | MCA-Senegal. | | - | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | |
| Date of Data Quality Review | | | November 2014 | | | | | | |
| Main findings of data quality review | | Average Score (out of 4) | Recommendations | P.2 Validité | | | | | |
| 1. VALIDITY – Does the data clearly represent the desired r | esults? | 3,2 | N/A | Doubles hills (| | | | | |
| 2. RELIABILITY – Are the data collection procedures stable time? | | 3,3 | N/A | Praticabilité 2 Fiabilité | | | | | |
| 3. TIMELINESS- Are the data current and frequently collected | ed? | 4.0 | N/A | | | | | | |
| 4. PRECISION – Does the data have an acceptable margin | of error? | 3.2 | N/A | | | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | | 3.7 | N/A | Adéquation Opportunité | | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators results? | fully portray the | 3.6 | N/A | | | | | | |
| 7. PRACTICABILITY- Is the data current and frequently colle | ected? | 3.3 | N/A | | | | | | |
| Overall assessment | | 3,4 | | Intégrité Précision | | | | | |
| | | | | | | | | | |
| Action taken in response to data quality review | - Apart from t | he agricultural ir | ncome, the survey ga | thered data on the consumption and assets of households | | | | | |
| Known data limitations and significance | N/A | | | | | | | | |
| Actions taken to address data limitations | N/A | | | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | |
| Old Baseline N/A | Old Baseline Yea | nr | 2009-2010 | Source of old Baseline Workplan of MCA-S | | | | | |
| New Baseline 0 | New Baseline Ye | ar | 2010 | Source of New Baseline MCC HDM4 Modeling | | | | | |
| Justification for Baseline This indicator was changed to Change (if any) | align more directly w | ith the HDM-4 m | odel and the expecte | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | |
| Target | | | | | | | | | |

| YEAR 1 | Old | New | Justification for changes to | This indicator was changed to align more directly with the HDM-4 model and the | | | | | | | |
|--|---|------|----------------------------------|--|--|--|--|--|--|--|--|
| Oct 2010 - Sept. 2011 | N/A | N/A | targets or calculations (if any) | expected economic benefits. | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| YEAR 2 | Old | New | Justification for changes to | This indicator was changed to align more directly with the HDM-4 model and the | | | | | | | |
| Oct 2011 - Sept. 2012 | 0% | N/A | targets or calculations (if any) | expected economic benefits. | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| YEAR 3 | Old | New | Justification for changes to | | | | | | | | |
| Oct 2012 - Sept. 2013 | N/A | N/A | targets or calculations (if any) | | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | | | | | |
| Oct 2013 - Sept. 2014 | N/A | N/A | targets or calculations (if any) | | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | This target is based on the HDM-4 model completed in 2015. | | | | | | | |
| Oct 2014 - Sept. 2015 | N/A | 0.05 | targets or calculations (if any) | | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | | | | | |
| | 13% | N/A | targets or calculations (if any) | | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| COMMENTS: | | | | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FO | SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | | | | |

1.3. Indicator P.3. Change in vehicle operating costs per trip/kilometer for the RN6

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|--|--|---|--|---------------------------|------------------------------------|-----------------------|--|--|--|--|--|
| Indicator Name | Change in vehicle operating cos | sts per trip/kilometer for the RN6 | | Vers | ion | N° 03 / Sept 2015 | | | | | |
| Common Indicator Number | Not Applicable Cu | rrent Indicator Number | P.3. | All F | revious Indicator Numbers | P.3. | | | | | |
| Level | | assification | Level | | of Measure | US\$ | | | | | |
| Detailed Definition | Calculated using the HDM-4 mode number of kilometers to arrive at a | | | | across vehicle trips on the road | as well as by the | | | | | |
| Frequency of Reporting | AT THE END OF THE COM | | Reporting Perio | | COMPACT | | | | | | |
| r requericy or Reporting | By gender (YES/NO) | NO | Reporting Fend | u covereu FOST | COIVIFACT | | | | | | |
| | By age (YES/NO) | NO | | | | | | | | | |
| Disaggregations | By income (YES/NO) | NO | | | | | | | | | |
| | By locality (YES/NO) NO | | | | | | | | | | |
| INDICATOR JUSTIFICATION DI | J J , , , | 110 | | | | | | | | | |
| INDIONI ON SOSTII TOMINON DE | | omnact is to help reduce poverty in | Senegal through | economic arowth by impr | roving agricultural productivity a | and access to | | | | | |
| Justification for Including | | The goal of the MCA-Senegal Compact is to help reduce poverty in Senegal through economic growth by improving agricultural productivity and access to markets and services thanks to investments in developmental infrastructure in the road and irrigation sectors. Thus, in the RRP project area, this goal will be | | | | | | | | | |
| Indicator | | | | | | | | | | | |
| | on the RN6. | assessed by the rate of variation in the incomes of households. The P3 indicator will therefore provide some answers as to the change in vehicle operating costs on the RN6. | | | | | | | | | |
| | In addition to increaseing mobility, the roads facilitate access to services. Thus, by seeking to improve the quality of the network and reduce transportation costs | | | | | | | | | | |
| How does the indicator link to | | lp reduce the operating costs of v | | | | | | | | | |
| the ERR? | | nefits, and consequently, by impr | | | | 5 1 1 | | | | | |
| | | | Ü | 3 1 0 | | | | | | | |
| How does the indicator link to | The improvement of the network | s quality and the reduction of tran | sportation duration | and costs will be felt by | peneficiaries located within a ra | ndius of 5 km of the | | | | | |
| the BA? | | etter access to basic social servic | | | ochenolarico locatoa Millim a re | idide of a fam of the | | | | | |
| | | ncrease in the income of beneficia | | | Project. The roads project is ex | pected to increase | | | | | |
| How does the indicator link to | | sses along the roads. To measur | | | | | | | | | |
| the impact evaluation? | | activities have not been impleme | | | | | | | | | |
| · | the program's contribution to inc | | ' | | 3 | ' ' | | | | | |
| Justification for | The indicator will not be disaggre | gated | | | | | | | | | |
| Disaggregations | | | | | | | | | | | |
| INDICATOR ACQUISITION PLA | N | | | | | | | | | | |
| Entity Responsible for Collection | ng Data at MCA | Monitoring - Evalua | ation Directorate | | | | | | | | |
| Point of Contact Responsible for | or Collecting the Data at MCA: | Sidiki Diombana DIOP | Phone | 221.78 637 02 32 | E-mail sddiop@m | casenegal.org_ | | | | | |
| Entity Responsible for the colle | ection of primary Data | MCC collected the | MCC collected the data for the baseline using the HDM4 Modeling in 2015. | | | | | | | | |
| Detailed description of data co calculations computed by source) | llection methodology (including a | | the figures will be pulled from the HDM-4 models conducted by MCC and/or its consultants, based on changes in road measures (IRI, deflections, etc) as well as other model parameters (including traffic counts) | | | | | | | | |

| If survey data, verbatim question(s) posed | to respondent | | Refer to Questionnaire R | nad Project Househ | | | | | |
|---|-------------------------------|-----------|--|-----------------------------|------------------------------|-------------------|--|--|--|
| Detailed description of how data is transm | • | | The data are collected by the PMU-AGEROUTE with the support of MCC and transmitted to MCA-S. | | | | | | |
| Frequency and timing of data acquisition | illed from Source to MCA | | Twice: at the end of the Compact and during the post compact | | | | | | |
| Names of verification sources | | | Means of verification | | | | | | |
| | | | | | | | | | |
| Baseline surveys | | | Data base analysis table | | | | | | |
| Final surveys | | | Data base analysis table | | | | | | |
| Location of Data Storage | | | MCA-Senegal. | | | | | | |
| INDICATOR DATA QUALITY | | NI- | | | | | | | |
| Date of Data Quality Review | A C / | INO | vember 2014 | П | | | | | |
| Main findings of data quality review | Average Score (out of 4) | | Recommendations | | P.3 | | | | |
| 1. VALIDITY – Does the data clearly | Score Moyen (note | N/A | | | Validika | | | | |
| represent the desired results? | sur 4) | 14// | | <u> </u> - | Validite 4.0 | | | | |
| 2. RELIABILITY – Are the data collectio procedures stable and consistent over time? | n 3,5 | N/A | | Praticabilite 3.0 Fiabilite | | | | | |
| 3. TIMELINESS- Are the data current are frequently collected? | nd 3,6 | N/A | | Praud | 2.0 | Flabilite | | | |
| 4. PRECISION – Does the data have ar acceptable margin of error? | 3,2 | N/A | | | 1.0 | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 3,6 | N/A | | Adequation Opportunite | | | | | |
| 6. APPROPRIATENESS – To what extend the indicators fully portray the results? | ent do 3,8 | N/A | | | | | | | |
| 7. PRACTICABILITY- Is the data curren frequently collected? | t and 1,6 | N/A | | | Integrite | Precision | | | |
| Overall assessment | 3,7 | | | | | | | | |
| Action taken in response to data quality re | view - Apart from the agric | ultural i | ncome, the survey gathere | d data on the consu | mption and assets of househo | olds | | | |
| Known data limitations and significance | N/A | | | - | | | | | |
| Actions taken to address data limitations | N/A | | | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | T | | | | |
| Old Baseline | N/A | | aseline Year | 2009-2010 | Source of old Baseline | MCA-S work plan | | | |
| New Baseline | 0 | New B | Baseline Year | 2010 | Source of New Baseline | MCC HDM4 Modeling | | | |
| Justification for Baseline Change (if any) | This indicator was changed to | align r | more directly with the HDM | -4 model and the ex | pected economic benefits. | | | | |

| INDICATOR TARGET CALCULATIONS | | | | |
|---------------------------------------|-----|--------|----------------------------------|--|
| | | Target | | |
| YEAR 1 | Old | New | Justification for changes to | This indicator was changed to align more directly with the HDM-4 model and the |
| Oct 2010 - Sept. 2011 | N/A | N/A | targets or calculations (if any) | expected economic benefits. |
| Explanation of assumptions and inputs | | | | |
| to target calculations | | | | |
| YEAR 2 | Old | New | Justification for changes to | This indicator was changed to align more directly with the HDM-4 model and the |
| Oct 2011 - Sept. 2012 | 0% | N/A | targets or calculations (if any) | expected economic benefits. |
| Explanation of assumptions and inputs | | | | |
| to target calculations | | | | |
| YEAR 3 | Old | New | Justification for changes to | |
| Oct 2012 - Sept. 2013 | N/A | N/A | targets or calculations (if any) | |
| Explanation of assumptions and inputs | | | | |
| to target calculations | | | | |
| YEAR 4 | Old | New | Justification for changes to | |
| Oct 2013 - Sept. 2014 | N/A | N/A | targets or calculations (if any) | |
| Explanation of assumptions and inputs | | | | |
| to target calculations | | | | |
| YEAR 5 | Old | New | Justification for changes to | This target is derived from the HDM-4 model completed in 2015. |
| Oct 2014 - Sept. 2015 | N/A | 0.16 | targets or calculations (if any) | |
| Explanation of assumptions and inputs | | | | |
| to target calculations | | | | |
| Long Term Target | Old | New | Justification for changes to | |
| | 9% | N/A | targets or calculations (if any) | |
| Explanation of assumptions and inputs | | | | |
| to target calculations | | | | |
| COMMENTS: | | | | |
| | | | | |

SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required)

PERFORMANCE INDICATORS IRRIGATION AND WATER RESOURCES MANAGEMENT PROJECT

2. Performance Indicators and targets of the Irrigation Project

2.1. Indicator IWRM.1. Rice Paddy Production (Delta / Ngalenka)

| INDICATOR BASIC DETAILS | | | | | | | | | | | | |
|---|--|--|---|---------------------------------|--------------------|--|--|--|--|--|--|--|
| Indicator Name | Rice Paddy Product | ion (Delta/ Ngalenka) | | Version | | N° 03 / Sept 2015 | | | | | | |
| Common Indicator Number | Not Applicable | Current Indicator Number | IWRM.1. | All Previous Indicator Nu | mbers | IWRM.1. | | | | | | |
| Level | Outcome | Classification | Level | Unit of Measure* | | Tons | | | | | | |
| Detailed Definition | Total quantity of page | ddy rice produced per annum ir | n the project's into | ervention areas. | | | | | | | | |
| Frequency of Reporting | ANNUAL | | Reporting Peri | od Covered | Compact Dur | ation | | | | | | |
| Disaggregations | By gender (YES/NC | | | | | | | | | | | |
| | By age (YES/NO) | NO | | | | | | | | | | |
| | By income (YES/NC | | | | | | | | | | | |
| | By locality (YES/NC |) YES (Delta / Nga | alenka) | | | | | | | | | |
| INDICATOR JUSTIFICATION DETAILS | | | | | | | | | | | | |
| Justification for Including | | The indicator provides information on the attainment of the IWRM project objective, which is to increase agricultural production and the productivity of the | | | | | | | | | | |
| Indicator | | gricultural sector. Actually, the construction of the water infrastructure, the improvement of the drainage systems and the land tenure security activities will | | | | | | | | | | |
| | | elp increase rice production, one of the key crops of the irrigation zones. Such production increase will help assess the progression of production and | | | | | | | | | | |
| Have do so the indicator link to | | roductivity. | | | | | | | | | | |
| How does the indicator link to the ERR? | | The indicator will provide information on the increase in production resulting in the increase in cultivable hectares, cropping intensity and yields, all of which | | | | | | | | | | |
| the ERR? | | increase under the with-project case, creating the economic benefits. The ERR was set on the basis of 3 crops (Rice, Tomatoes, Onions). | | | | | | | | | | |
| How does the indicator link to | The increase in rice production resulting from the conduct of activities will have an impact on employment and the allocation of recovered land and/or | | | | | | | | | | | |
| the BA? | extension to new benef | iciaries. Thus, one expects clos | se to 22,336 bene | eficiary households i.e. 268,02 | 9 people. | | | | | | | |
| How does the indicator link to | The impact evaluation s | survey lays emphasis on the ric | e production of h | ouseholds in the processing a | reas and test | zones. The data obtained with test zones | | | | | | |
| the impact evaluation? | may be compared with | those obtained in the processir | ng areas with a vi | ew to evaluating the impact of | infrastructure | built in the processing areas. | | | | | | |
| luctification for | The date will be discoun | romatod by Joseffty or many (Dol | lta and Naslania | \ This discourse estima shaves | والمراسلية والمراس | on of each of the common and conditions in | | | | | | |
| Justification for | | | na and ngalenka |). This disaggregation shows i | ine contributio | on of each of the components and zones in | | | | | | |
| Disaggregations | agricultural production | and productivity. | | | | | | | | | | |
| | | | | | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | | | |
| Entity Responsible for Collectin | | Irrigation Project Directora | | | | | | | | | | |
| Point of Contact Responsible fo | r Collecting the Data at | Cheikh T. SENE | Phone | 221.77.333.15.80 | E-mail | ctsene@mcasenegal.org_ | | | | | | |
| MCA: | | | | | | | | | | | | |
| Entity Responsible for the collect | | SAED - Monitoring – Eva | | | | | | | | | | |
| Detailed description of data coll | 33 | | | | e situation on | the hectares cultivated according to the | | | | | | |
| (including any calculations comput | ted by source) | | season (rainy season, cold dry season, and hot dry season). | | | | | | | | | |
| | | | On arrival on the edge of the plot, the Agricultural Adviser makes a rough estimate of the width and length of the plot. Depending on which of these two estimations he is calculating, the Agricultural Adviser randomly draws from his random table 2 numbers (of | | | | | | | | | |
| | | | | | | | | | | | | |
| | 1, 2 or 3 figures depending on the estimations made of the length and width). To raise the square, the Agricultural Adviser walk lengthwise counting as many steps as the first number drawn, then, when he gets to his destination, he walks along the plot's | | | | | | | | | | | |
| | | Tienginwise counting as ma | arry steps as the | ilist number drawn, then, when | The gets to n | is destination, he warks along the plot's | | | | | | |

| · · · · · · · · · · · · · · · · · · · | | | | ` | | | | | | | | |
|--|----------------|------------------------|---|------------|---|--|--|--|--|--|--|--|
| | | | vidth and takes as many steps as the second number drawn. And he raises the square on the point at which he stops. Formula = Average yield X total cultivated hectares | | | | | | | | | |
| If survey data, verbatim question(s) posed | l to responden | t These ar | These are survey data obtained through the methodology of yield plots installed by SAED | | | | | | | | | |
| Detailed description of how data is transm | | | The data is transmitted to MCA-S through official correspondence by SAED. Besides, a mission of the M&E Directorate is | | | | | | | | | |
| source to MCA | | | | | scheduled to meet the Monitoring and Evaluation team with a view to collecting all raw data required for the calculation of the | | | | | | | |
| | | | indicator. | | | | | | | | | |
| Frequency and timing of data acquisition | | ANNUAL | ANNUAL | | | | | | | | | |
| Names of verification sources | | | | Means o | of verification | | | | | | | |
| SEAD Annual Report, Letter from SAED | | | | | production statistics | | | | | | | |
| SAED Data Base | | | | Production | on Surveys | | | | | | | |
| Location of Data Storage | | SAED | | | | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | | | |
| Date of Data Quality Review | | | November 2014 | | | | | | | | | |
| Main findings of data quality review | | erage Score t of 4) | Recommendations | | IWRM.1 | | | | | | | |
| VALIDITY – Does the data clearly represent desired results? | nt the | 3,4 | Information provided by the SAED information system | | Validite 4.0 Praticabilite Fiabilite | | | | | | | |
| 2. RELIABILITY – Are the data collection processable and consistent over time? | cedures | 3,5 | None | | | | | | | | | |
| 3. TIMELINESS- Are the data current and fre collected? | quently | 4,0 | SAED ME system data | | 2.0 | | | | | | | |
| 4. PRECISION – Does the data have an accemargin of error? | eptable | 3,2 | Propose to provide information o margin of error resulting from the of the yields estimation method | | Adequation Opportunite | | | | | | | |
| 5. INTEGRITY- Is the data free from manipula | | 4,0 | None | | | | | | | | | |
| 6. APPROPRIATENESS – To what extent do indicators fully portray the results? | the | 4,0 | None | | Integrite Precision | | | | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | | 3,7 | None | | | | | | | | | |
| Overall Evaluation | | 3,7 | | | | | | | | | | |
| Action taken in response to data quality review | - Margins of e | ror linked to | fied and harmonized with SAED the yield plots specified | , | | | | | | | | |
| Known data limitations and significance | - A sampling o | f Producers' | Organizations is undertaken by SA | ED. Priva | ate producers are not taken into consideration. | | | | | | | |
| Actions taken to address data limitations | - MCA-S's req | uests to SAE | | considerat | tion (differentiate Delta and Ngalenka) in the sampling device; | | | | | | | |

| INDICATOR BASELINE INFORMATION | V | | | | | | | | | | | | | | |
|--|--------|---------------|--------------------------------|---------|-------------------------------------|--------------|--------------------|---------------|------------|------------|------------|----------|--------------------|---------------|---------|
| Old Baseline | 102 0 | 00 Ol | d Baseline \ | /ear | 2010-2011 | Source of | of old Baseline | Data Base | SAED : | : Refer to | Letter S | AED N° | 1959-1 | 2 du 12-12- | -2012 |
| New Baseline | 102 0 | 00 N e | w Baseline | Year | 2010-2011 | Source of | of New Baseline | Data Base | SAED | : Refer t | o Letter S | SAED N° | [,] 1959- | 12 of 12-12- | -2012 |
| Justification for Baseline Change | | | | | | | | | | | | | | | |
| (if any) | | | | | | | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | 5 | | | | | | | | | | | | | | |
| | | | rget | | | | | | | | | | | | |
| YEAR 1 | | Old | New | | cation for chan | | | | | | | | | | |
| Oct 2010 - Sept. 2011 | | 102 000 | 102 000 | targets | s or calculation | s (if any) | | | | | | | | | |
| Explanation of assumptions and input | s to | | | | | | | | | | | | | | |
| target calculations | | | 1 | 1 | | | | | | | | | | | |
| YEAR 2 | | Old | New | | cation for chan | | | | | | | | | | |
| Oct 2011 - Sept. 2012 | _ | 107000 | 107 000 | targets | s or calculation | is (if any) | | | | | | | | | |
| Explanation of assumptions and input | s to | | | | | | | | | | | | | | |
| target calculations | | | 1 | 1 | | | | | | | | | | | |
| YEAR 3 | | Old | Nou | | cation for chan s or calculation | | | | | | | | | | |
| Oct 2012 - Sept. 2013 | | | New | targets | s or calculation | is (ii ariy) | | | | | | | | | |
| | - 1- | 107 000 | 107 000 | | -£ 41 N1-:-1-:-1- | . D! !!! | | L 1111 - | . . | - - | 1 ! \/ | . 1 | 11 | | |
| Explanation of assumptions and input target calculations | S 10 | | ar 3, the exp d in the Delt | | or the Ngalenka | a Basın Will | come to a halt wit | n the Start o |) WOLKS | schedule | ed in Year | I. HOW | ever, tr | e productio | ns wiii |
| target calculations | | be pursue | d in the Deit | | cation for chan | ans to | | | | | | | | | |
| YEAR 4 | | Old | New | | s or calculation | | | | | | | | | | |
| Oct 2013 - Sept. 2014 | | 107 000 | 107 000 | turgett | or calculation | is (ii uriy) | | | | | | | | | |
| · • | | | | | | | | <u> </u> | | | | | | | |
| Explanation of assumptions and input | is to | | | | Basın Will be und | er producti | on and in the Delt | a, some of t | ne built | ıntrastru | cture will | be opera | ational | and will help | þ |
| target calculations YEAR 5 | | Old | ne irrigation s | | aatian fan aban | | | | | | | | | | |
| Oct 2014 - Sept. 2015 | | 111 000 | New 111 000 | | cation for chan s or calculation | | | | | | | | | | |
| Explanation of assumptions and input | rs to | 111 000 | 111 000 | largets | s of Calculation | is (ii dily) | | | | | | | | | |
| target calculations | .5 10 | | | | | | | | | | | | | | |
| Long Term Target | | Old | New | luctifi | cation for chan | nas to | | | | | | | | | |
| Long Term ranger | | 277 000 | 277 000 | | s or calculation | | | | | | | | | | |
| Explanation of assumptions and input | s to | 211 000 | 277 000 | uigot | or calculation | o (ii uiiy) | I | | | | | | | | |
| target calculations | | | | | | | | | | | | | | | |
| COMMENTS: | L | | | | | | | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION | FOR DE | ETAILED (| CALCULATI | ONS (if | required) | | | | | | | | | | |
| Method of estimating rice yield plots | | | | γ. | | | | | | | | | | | |

2.2. Indicator IWRM.2. Tomato production (Delta / Ngalenka)

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|---|--|--|---|--|------------------------------------|--|--|--|--|--|--|
| Indicator Name | Tomato production (D | elta / Ngalenka) | | Version | N° 03 / Sept 2015 | | | | | | |
| Common Indicator Number | Not Applicable | Current Indicator Number | IWRM.2. | All Previous Indicator Numbers | IWRM.2. | | | | | | |
| Level | Outcome | Classification | Level | Unit of Measure* | Tons | | | | | | |
| Detailed Definition | Total quantity of cold | off-season tomatoes produced per y | ear in the proje | ect's intervention zones. | | | | | | | |
| Frequency of Reporting | ANNUAL | | Reporting Period Covered Compact Duration | | | | | | | | |
| Disaggregations | By gender (YES/NO) | | NO | | | | | | | | |
| | By age (YES/NO) | | NO | | | | | | | | |
| | By income (YES/NO) | | NO | | | | | | | | |
| | By locality (YES/NO) | | YES (Delta | / Ngalenka) | | | | | | | |
| INDICATOR JUSTIFICATION DETAIL | | | | | | | | | | | |
| Justification for Including Indicator | | | | ive, which is to increase agricultural pro | | | | | | | |
| | | ricultural sector. Actually, the construction of the water infrastructure, the improvement of the drainage systems and the land tenure security activities | | | | | | | | | |
| | | I help increase tomato production, one of the key crops of the irrigation zones. Such production increase will help assess the increase in agricultural | | | | | | | | | |
| | production and productivity. | | | | | | | | | | |
| How does the indicator link to the | | ne indicator will provide information on the increase in production resulting in the increase in cultivable hectares, cropping intensity and yields. The ERR | | | | | | | | | |
| ERR? | was set on the basis of 3 cro | | | | | | | | | | |
| How does the indicator link to the | The increase in tomato production resulting from the conduct of activities will have an impact on employment and the allocation of recovered land and/or | | | | | | | | | | |
| BA? | extension to new beneficiaries. Thus, one expects close to 22,336 beneficiary households i.e. 268,029 people, 35% of who are in quintile 1 (<\$2/j), 42% | | | | | | | | | | |
| | between \$2 and \$4/d and 23 | | | | | | | | | | |
| How does the indicator link to the | | | | holds in the processing areas and test | | | | | | | |
| impact evaluation? | | | | w to evaluating the impact of infrastruct | | | | | | | |
| Justification for Disaggregations | 00 0 | ed by zone (Delta and Ngalenka) The | e disaggregation | on shows the contribution of each of zo | nes in agricultural production and | | | | | | |
| INDICATOR ACCURATION RUMAN | productivity. | | | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | unionali de Dunional Discontante | | | | | | | | | |
| Entity Responsible for Collecting Da | | rrigation Project Directorate | Discos | 201 77 200 1F 00 F!! -t- | | | | | | | |
| Point of Contact Responsible for Col | 3 | Cheikh T. SENE | Phone | 221.77.333.15.80 E-mail cts | ene@mcasenegal.org_ | | | | | | |
| Entity Responsible for the collection | <u> </u> | SAED | II CAED | | 12 1 1 12 1 1 | | | | | | |
| Detailed description of data collection | | | ed by SAED or | n the yield plots and the situation on the | areas cultivated according to the | | | | | | |
| any calculations computed by source) | | season (cold off-season). | | 100/ -f -l-t- ! tl t-t-l | Andre to real many will the | | | | | | |
| | | | | ng 10% of plots in the total population of | | | | | | | |
| | | surface area to be sampled is attained. This method will thus be applied to the plot whose size is normally between 0.1 and | | | | | | | | | |
| | | ha. The square or rectangle should | | | | | | | | | |
| If curvey data workstim guestian(s) | | Formula = Average yield X total cultivations are survey data abtained three | | dology of yield plots installed by SAED | | | | | | | |
| If survey data, verbatim question(s) p | posed to respondent | nese are survey uata obtained thro | ugn me memo | uology of yielu piots. Ilistalieu by SAEL | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Detailed description of how data is transmi to MCA | sche indic | The data is transmitted to MCA-S through official correspondence by SAED. Additionally, a mission of the M&E Directorate is scheduled to meet the Monitoring and Evaluation team with a view to collecting all raw data required for the calculation of the ndicator. | | | | | | | | |
|--|---|---|---|-----------------|--------------|----------------------------------|--|--|--|--|
| Frequency and timing of data acquisition | | ANN | NUAL | | | | | | | |
| Names of verification sources | | | | | | verification | | | | |
| SAED Annual Report, Letter | | | | | | duction statistics | | | | |
| SAED Data Base | | T. | | | Production | sampling surveys | | | | |
| Location of Data Storage | | SAED | | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |
| Date of Data Quality Review | | | November 20 | | | | | | | |
| Main findings of data quality review | | Average Score (out of) | Recommendat | ions | | | IWRM.2 | | | |
| VALIDITY – Does the data clearly represent desired results? | t the | 3,4 | Information pro information sys | | SAED | | Validite | | | |
| 2. RELIABILITY – Are the data collection proc stable and consistent over time? | edures | 3,5 | None | | | Praticabilite | 4.0 3.0 Fiabilite | | | |
| 3. TIMELINESS- Are the data current and freq collected? | TIMELINESS- Are the data current and frequently | | SAED ME system data | | | 2.0 | | | | |
| 4. PRECISION – Does the data have an accept margin of error? | otable | 3,2 | Propose to pro margin of error the yields estin | resulting fror | m the use of | f Adequation | Opportunite | | | |
| 5. INTEGRITY- Is the data free from manipula | tion? | 4,0 | None | | | Integrite Precision | | | | |
| 6. APPROPRIATENESS – To what extent do indicators fully portray the results? | | 4,0 | None | | | | | | | |
| 7. PRACTICABILITY- Is the data current and f collected? | requently | 3,7 | None | | | | | | | |
| Overall assessment | | 3,7 | | | | | | | | |
| Action taken in response to data quality review | | | rified and harmon the yield plots s | | ED | | | | | |
| Known data limitations and significance | - A samp | ing is undertaker | n by SAED with th | ne Producers | Organizatio | on. Private producers are not to | aken into consideration. | | | |
| Actions taken to address data limitations | - Taking i | nto consideratior | | ects into consi | deration (di | fferentiate Delta and Ngalenka | | | | |
| INDICATOR BASELINE INFORMATION | | <u> </u> | 50 (2.101) (1111) | - J | -1 | | | | | |
| Old Baseline | 12 700 | Old Ba | seline Year | 2010-2 | 011 | Source of old Baseline | Compact et and ERR | | | |
| New Baseline | 12 700 | | Baseline Year 2010 | | | Source of New Baseline | Data Base SAED : Refer to Letter SAED N° 1959-12 of 12-12-2012 | | | |
| Justification for Baseline Change (if any) | | | 0,500 (and subsectable) Values for product | | | | g improper output from the ERR model. The new | | | |

| INDICATOR TARGET CALCULATIONS | | | |
|---|------------|----------|----------------------------------|
| | Tar | get | |
| YEAR 1 | Old | New | Justification for changes to |
| Oct 2010 - Sept. 2011 | 12 700 | 12 700 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| YEAR 2 | Old | New | Justification for changes to |
| Oct 2011 - Sept. 2012 | 14 200 | 14 200 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | 14 200 | 14 200 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 14 200 | 14 200 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 35 500 | 35 500 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | T | |
| Long Term Target | Old | New | Justification for changes to |
| | 115 000 | 115 000 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FOR D | ETAILED C. | ALCULATI | ONS (if required) |
| Method of estimating yields of diversification crop | | | , |
| | | | |

2.3. Indicator IWRM.3. Onion production (Delta / Ngalenka)

| INDICATOR BASIC DETAILS | | | | | T | | | |
|--|------------------------|---|------------------|----------------------|----------------------------|---------|-----------------------|--|
| Indicator Name | Onion production (I | <u> </u> | | | Version | | N° 03 /Sept 2015 | |
| Common Indicator Number | Not Applicable | Current Indicator Nu | ımber | IWRM.3. | All Previous Indicator Nur | nbers | IWRM.3. | |
| Level | Outcome | Classification | | Level | Unit of Measure* | | Tons | |
| Detailed Definition | Total quantity of cold | off-season onions produced per annu | ım in the projec | s intervention areas | S. | | | |
| Frequency of Reporting | ANNUAL | | Reporti | ng Period Covered | Compact Duration | | | |
| | By gender (YES | NO) | NO | | | | | |
| Disaggragations | By age (YES/NC | 0) | NO | | | | | |
| Disaggregations | By income (YES | /NO) | NO | | | | | |
| | By locality (YES/ | YES (Del | ta / Ngalenka) | | | | | |
| INDICATOR JUSTIFICATION DETA | ILS | | | | | | | |
| Justification for Including Indicato | r p | The indicator provides information on the attainment of the IWRM project objective which is to increase agricultural production and the productivity of the agricultural sector. Actually, the construction of the water infrastructure, the improvement of the drainage systems and the land tenure security activities will help increase onion production, one of the key crops of the irrigation zones. Such production increase will help assess the progression of production and productivity. | | | | | | |
| How does the indicator link to the | | he indicator will provide information on the back of the back and yields. The ERR was set on the back | | | | hectare | s, cropping intensity | |
| How does the indicator link to the | BA? | The increase in onion production resulting from the conduct of activities will have an impact on employment and the allocation of recovered land and/or extension to new beneficiaries. Thus, one expects close to 22,336 beneficiary households i.e. 268,029 people, 35% of whom are in quintile 1 (<\$2/d), 42% between \$2 and \$4/d and 23% higher than \$4/d. | | | | | | |
| How does the indicator link to the evaluation? | illipact 0 | The impact evaluation survey lays emphasis on the onion production of households in the processing areas and test zones. The data obtained with test zones may be compared with those obtained in the processing areas with a view to evaluating the impact of infrastructure built in the processing areas. | | | | | | |
| Justification for Disaggregations | | The data will be disaggregated by zone (Delta and Ngalenka). The disaggregation shows the contribution of each of the zones in agricultural production and productivity. | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | |
| Entity Responsible for Collecting D | Data at MCA | Irrigation Project Directorate | | | | | | |
| Point of Contact Responsible for C MCA: | | Cheikh T. SENE | Phor | ie 221.77.333.15 | 5.80 E-mail | ctsene | e@mcasenegal.org | |
| Entity Responsible for the collection | on of primary Data | SAED | • | • | • | | | |

| Detailed description of data collection methodology (including any calculations computed by source) | (cold off-s It involves to be sam rectangle | ne on the basis of results published by SAED on the yield plots and the situation on the areas cultivated according to the season of off-season). nvolves conducting a random sampling concerning 10% of plots in the total population of plots in each zone until the surface area are sampled is attained. This method will thus be applied to the plot whose size is normally between 0.1 and 1 ha. The square or stangle should measure 10m2. However, for the purpose of representativeness, the following spectra will be used: 1.10 – 0.5 ha : 1 square or rectangle More than 0.5 ha : 2 squares or rectangles mula = Average yield X total cultivable hectares | | | | | |
|---|--|---|--|--|--|--|--|
| If survey data, verbatim question(s) posed to respondent | These are | e survey data obta | nined through the methodology of yield plo | | | | |
| Detailed description of how data is transmitted from source to MCA | to meet th | | | y SAED. Besides, a mission of the M&E Directorate is scheduled all raw data required for the calculation of the indicator. | | | |
| Frequency and timing of data acquisition | ANNUAL | | | | | | |
| Names of verification sources | | | Means of verification | | | | |
| SAED Annual Report, Letter | | | Annual production stat | istics | | | |
| SAED Data Base | | | Production sampling su | urveys | | | |
| Location of Data Storage SAED |) | | 1 7 | | | | |
| INDICATOR DATA QUALITY | | | | | | | |
| Date of Data Quality Review | | | November 2014 | | | | |
| Main findings of data quality review | | Average Score (out of 4) | Recommendations | IVA/DNA 2 | | | |
| 1. VALIDITY – Does the data clearly represent the des results? | | 3,4 | Information provided by the SAED information system | IWRM.3 Validite | | | |
| 2. RELIABILITY – Are the data collection procedures s consistent over time? | | 3,5 | None | 4.0 | | | |
| 3. TIMELINESS- Are the data current and frequently c | | 4,0 | SAED ME system data | Praticabilite 2.0 Fiabilite | | | |
| 4. PRECISION – Does the data have an acceptable m error? | nargin of | 3,2 | Propose to provide information on the margin of error resulting from the use of the yields estimation method | 1/.0 Adequation Opportunite | | | |
| 5. INTEGRITY- Is the data free from manipulation? | | 4,0 | None | | | | |
| 6. APPROPRIATENESS – To what extent do the indic portray the results? | , | 4,0 | None | | | | |
| 7. PRACTICABILITY- Is the data current and frequent collected? | ly | 3,7 | 3,7 None Integrite Precision | | | | |
| Overall assessment | | 3,7 | | | | | |
| Action taken in response to data quality review | | | ied and harmonized with SAED and in the absence of disaggregated data | a, inform the heading "Unspecified" | | | |

| Known data limitations and significance | | | - A sampling is undertaken by SAED with the Producers' Organization. Private producers are not taken into consideration. | | | | | | | |
|---|--------------|-------------|---|--------------|------------------------|---|--|--|--|--|
| Actions taken to address data limita | tions | | - Integration of locality aspects (differentiate Delta and Ngalenka) in the SAED sampling system; - Exchanges on the measures taken with regard to data quality | | | | | | | |
| INDICATOR BASELINE INFORMATION | ON | | gg. | | <u> </u> | | | | | |
| Old Baseline | 10 900 | | Old Baseline Year | 2010-2011 | Source of old Baseline | Compact et and ERR | | | | |
| New Baseline | 10 9 | 900 | New Baseline Year | 2010-2011 | Source of New Baseline | SAED Data Base : Refer to Letter from SAED N° 1959-12 du 12-12-2012 | | | | |
| Justification for Baseline Change (if any) | | | | | | | | | | |
| INDICATOR TARGET CALCULATION | | | | | | | | | | |
| | | get | | | | | | | | |
| YEAR 1 | Old | New | Justification for char | | | | | | | |
| Oct 2010 - Sept. 2011 | 10 900 | 10 900 | targets or calculation | ns (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 2 | Old | New | Justification for char | nges to | | | | | | |
| Oct 2011 - Sept. 2012 | 16 000 | 16 000 | targets or calculation | ns (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 3 | Old | New | Justification for changes to | | | | | | | |
| Oct 2012 - Sept. 2013 | 16 000 | 16 000 | targets or calculation | ns (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 4 | Old | New | Justification for char | nges to | | | | | | |
| Oct 2013 - Sept. 2014 | 16 000 | 16 000 | targets or calculation | | | | | | | |
| Explanation of assumptions and | | • | | , J, I | | | | | | |
| inputs to target calculations | | | | | | | | | | |
| YEAR 5 | Old | New | Justification for char | | | | | | | |
| Oct 2014 - Sept. 2015 | 40 000 | 40 000 | targets or calculation | ns (if any) | | | | | | |
| Explanation of assumptions and | | | | | | | | | | |
| inputs to target calculations | Old | Nou | localification for abou | | | | | | | |
| Long Term Target | | New | Justification for char | | | | | | | |
| Explanation of assumptions and | 130 000 | 130 000 | targets or calculation | is (II ally) | | | | | | |
| inputs to target calculations | | | | | | | | | | |
| COMMENTS | | | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION | N EOD DE | TAILED CAL | CIII ATIONS (if requir | od) | | | | | | |
| Méthode d'estimation des rendements | | | | eu) | | | | | | |
| The street of obtained of the office of the | aco ountario | as alversin | | | | | | | | |

2.4. Indicator IWRM.4. Cropping intensity (Delta)

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|--|--|---|----------------------------|---------------------------|---------------------|---------------------------------------|--|--|--|--|--|
| Indicator Name | Cropping intensi | ty (Delta) | | Version | | N° 03 / Sept 2015 | | | | | |
| Common Indicator Number | Not Applicable | Current Indicator Number | IWRM.4. | All Previous Indic | ator Numbers | IWRM.4. | | | | | |
| Level | Outcome | Classification | Level | Unit of Measure* | | Percentage | | | | | |
| Detailed Definition | | ing intensity in irrigated areas of the Delta is calculated on the basis of the formula: Total number of hectares cultivated per year / Total number | | | | | | | | | |
| | of cultivable hec | cultivable hectares. The cultivable land represents the entire surface area that can be cultivated (reported by SAED as « superficie exploitable ») | | | | | | | | | |
| Francisco of Domestine | ANINILLAL | ANNUAL Reporting Period Covered Compact Duration | | | | | | | | | |
| Frequency of Reporting | ANNUAL Dy gondor (VEC | (NO) | Reporting Period Co | overed Compact Di | וומווטוו | | | | | | |
| Disaggregations | By gender (YES/NC | • | NO | | | | | | | | |
| | By age (YES/NC By income (YES | , | NO | | | | | | | | |
| | By locality (YES | | NO | | | | | | | | |
| INDICATOR JUSTIFICATION DETAILS | T by locality (TES) | INO) | INO | | | | | | | | |
| Justification for Including Indicator | The indicator will | provide information on the achie | evement of the IWRM pro | iect objective consisting | in increasing agric | cultural production and the | | | | | |
| Justification for including indicator | | | | | | | | | | | |
| | under production | productivity of the agricultural sector. The development of cropping intensity will constitute a result that will help assess the progression in hectares | | | | | | | | | |
| How does the indicator link to the | | The indicator will provide information on Cropping Intensity, which is the ratio of hectares under production over cultivable areas. This ratio will make it | | | | | | | | | |
| ERR? | | | | | | | | | | | |
| | | possible to accurately report the increase in productivity and thus the ERR. Moreover, the CI will be a decisive factor to show the increase in available water quantities and the efficiency of the drainage system. | | | | | | | | | |
| How does the indicator link to the | Not Applicable | | | | | | | | | | |
| BA? | | | | | | | | | | | |
| How does the indicator link to the | | | | | | ones may be compared with those | | | | | |
| impact evaluation? | | n zones in order to evaluate the | impact of infrastructure b | uilt in the comparison zo | nes. | | | | | | |
| Justification for Disaggregations | Not Applicable | | | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | | |
| Entity Responsible for Collecting Data | | tion Project Directorate | | | | | | | | | |
| Point of Contact Responsible for Collect | cting the Cheil | kh T. SENE | Phone | 221.77.333.15.80 | E-mail | ctsene@mcasenegal.org | | | | | |
| Data at MCA: | | | | | | | | | | | |
| Entity Responsible for the collection of | primary SAEI |) | | | | | | | | | |
| Data | | | | 11 1 1 | / ' | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | | | |
| Detailed description of data collection | | | | ed land and per season | (rainy season, dry | season, hot dry season). The data | | | | | |
| methodology (including any calculations | • | cted come from the following sou | riddle of the avels (for a | lifforont forming coocan | ~). | | | | | | |
| by source) | Satellite images taken in the middle of the cycle (for different farming seasons); Results of field surveys (conducted by the remote sensing team) and specific studies (socio-land studies). | | | | | | | | | | |
| | Results of field surveys (conducted by the remote sensing team) and specific studies (socio-land studies) Various mapping means recovered in digital form (soil maps, drawing plans of works, etc.); | | | | | | | | | | |
| | | | | | WOIKS, CIC.J, | | | | | | |
| | | Socio comornio data base (c | overeprisents / developin | on actors, | | | | | | | |

| | Data on the total cultivated areas concerning the rainy season is collected by mobilizing SAED's field structure, in each Delegation, under the responsibility of the Monitoring-Evaluation Office (BSE), For each Development Unit (UMV), the type of crops and cultivated areas as well as the PO growing them will be registered. The collected data on areas sown during the rainy season, after verification by the heads of sectors, are entered by the Monitoring and Evaluation Office. Numerator (1) = total cultivated areas for all seasons Denominator (2) = cultivable land surfaces in the Delta ["superficie exploitable" in the SAED database] Cropping Intensity = (1) / (2) | | | | | | | |
|--|--|---|-----------------------|--|--|--|--|--|
| If survey data, verbatim question(s) posed to | | ata obtained by SA | | ltivated areas in the irrigated land. The data collection on the total cultivated areas | | | | |
| from source to MCA | the Monitoring and | | | I correspondence. Besides, a mission of the M&E Directorate is scheduled to meet ing all raw data required for the calculation of the indicator. | | | | |
| | ANNUAL | | | | | | | |
| Names of verification sources | | | Means of verific | ation | | | | |
| Rapport Annuel SAED, lettre SAED | | | Statistiques sur le | s superficies cultivables et cultivées dans le Ngalenka | | | | |
| Base de Données SAED | | | ' | | | | | |
| Location of Data Storage | SAED | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | |
| Date of Data Quality Review | | November 201 | 4 | | | | | |
| Main findings of data quality review | Average Score (out of 4) | Recommendation | ons | | | | | |
| VALIDITY – Does the data clearly represent the desired results? | 4,0 | Information provinformation systems reposition as impossition and impossition are impossition as impossition as impossition and impossition are impossition as impossition as impossition and impossition are | em Indicator to | IWRM.4 Validite | | | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 4,0 | N/A | | 4.0 Praticabilite 3.0 Fiabilite | | | | |
| 3. TIMELINESS- Are the data current and frequently collected? | 4,0 | SAED ME syste | m data | 2.0 | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | 4,0 | N/A | | Adamatian | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 4,0 | N/A | | Adequation Opportunite | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 4,0 | N/A | | Integrite Precision | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 3,7 | N/A | | | | | | |
| Overall assessment | 4,0 | | | | | | | |
| Action taken in response to data quality review | | néthodologie de co | ollecte précisée et l | narmonisée avec la SAED | | | | |

| Known data limitations and | Known data limitations and significance Not Applicable | | | | | | | | | |
|---|--|--------|----------------|------------|--------------|--|--|--|--|--|
| Actions taken to address da | ta limitati | ons | N | ot Applica | ble | | | | | |
| INDICATOR BASELINE INFO | RMATIO | V | , | | | | | | | |
| Old Baseline | 0,6 | | aseline Yea | | 10-2011 | Source of old Baselin | e SAED Data Base: Refer To Letter SAED N° 1959-12 of 12-12-2012 | | | |
| New Baseline | 60% | | Baseline Ye | | 10-2011 | Source of New Basel | ne SAED Data Base: Refer To Letter SAED N° 1959-12 of 12-12-2012 | | | |
| Justification for Baseline MCC has requested that the indicator be reformulated as a percentage | | | | | | | | | | |
| Change (if any) | | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | | |
| | | | | get | | | | | | |
| YEAR 1 | | | Old | New | | tion for changes to | MCC has requested that the indicator be reformulated as a percentage | | | |
| Oct 2010 - Sept. 2 | | | 0,6 | 60% | targets of | or calculations (if any) | | | | |
| Explanation of assumptions and inputs to | | | | | | | | | | |
| target calculations | | | 01.1 | | 1 .161 | | | | | |
| YEAR 2 | 2040 | | Old | New | | tion for changes to | MCC has requested that the indicator be reformulated as a percentage | | | |
| Oct 2011 - Sept. 2 | | | 0,6 | 60% | targets | or calculations (if any) | | | | |
| Explanation of assumptions | and input | S to | | | | | | | | |
| target calculations | | | Ol4 | Now | luotifias | tion for changes to | MCC has requested that the indicator he reformulated as a percentage | | | |
| | YEAR 3 Oct 2012 - Sept. 2013 | | Old 0,6 | New 60% | | tion for changes to or calculations (if any) | MCC has requested that the indicator be reformulated as a percentage | | | |
| Explanation of assumptions | | c to | 0,0 | 00% | largets | or carculations (if arry) | | | | |
| target calculations | anu input | 3 10 | | | | | | | | |
| YEAR 4 | | | Old | New | luctifica | tion for changes to | MCC has requested that the indicator be reformulated as a percentage | | | |
| Oct 2013 - Sept. 2 | 2014 | | 0,6 | 60% | | or calculations (if any) | Two has requested that the indicator be reformulated as a percentage | | | |
| Explanation of assumptions | | s to | 0,0 | 0070 | turgots | or ourodiations (if arry) | | | | |
| target calculations | ana mpat | 0.0 | | | | | | | | |
| YEAR 5 | | | Old | New | Justifica | tion for changes to | MCC has requested that the indicator be reformulated as a percentage | | | |
| Oct 2014 - Sept. 2 | 2015 | | 0,7 | 70% | | or calculations (if any) | | | | |
| Explanation of assumptions | | s to | · | 1 | | . , | , | | | |
| target calculations | • | | | | | | | | | |
| Long Term Targ | get | | Old | New | Justifica | tion for changes to | MCC has requested that the indicator he reformulated as a percentage | | | |
| | | | 1,5 | 150% | | or calculations (if any) | MCC has requested that the indicator be reformulated as a percentage | | | |
| | Explanation of assumptions and inputs to | | | | | | | | | |
| target calculations | | | | | | | | | | |
| COMMENTS | | | | | | | | | | |
| SUPPLEMENTARY DOCUME | NTATION | FOR DE | ETAILED C | ALCULA1 | TIONS (if re | quired) | | | | |
| | | | | | | • | | | | |
| | | | | | | | | | | |

2.5. Indicator IWRM.5. Cropping Intensity (Ngalenka)

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|---|------------------|--|--|--|-------|------------|-----------------|------------------|----------------------|--|
| Indicator Name | Cropping Inte | ensity (Ngalenka | a) | | | | Version | | N° 03 / Sept 2015 | |
| Common Indicator Number | Not Applicab | le C | urrent Indicat | tor Number | IV | /RM.5. | All Previous Ir | ndicator Numbers | IWRM.5. | |
| Level | Outcome | C | lassification | | Le | evel | Unit of Measu | re* | Percentage | |
| Detailed Definition | number of cu | The cropping intensity in the Ngalenka irrigated areas is calculated according to the following formula: Total number of hectares cultivated per year / Total number of cultivable hectares. The cultivable land represents the all the land that can be cultivated. For Ngalenka, this refers to the eventual 450 ha covered by the perimeter, even during years 1 – 3. | | | | | | | | |
| Frequency of Reporting | ANNUAL | | Reporting P | Period Cover | ed | Compact Du | ıration | | | |
| Disaggregations | By gender (Y | /ES/NO) | | NO | | | | | | |
| | By age (YES | S/NO) | | NO | | | | | | |
| | By income (YES/N | | | NO | | | | | | |
| | By locality (Y | 'ES/NO) | | NO | | | | | | |
| INDICATOR JUSTIFICATION DETA | ILS | | | <u> </u> | | | | | | |
| Justification for Including Indicator | of pro | the agricultural oduction. | | | | | | | | |
| How does the indicator link to the I | Th | nis relationship a | cator will provide information on the Cropping Intensity, which is the ratio between the hectares under production/ and the cultivable areas. Itionship accurately reflects the increase in productivity and thus of the ERR. Thus, the CI will be a decisive factor in showing the increase lantities of water available and the efficiency of the drainage system. | | | | | | | |
| How does the indicator link to the I | BA? No | ot Applicable | | | | | | | | |
| How does the indicator link to the i evaluation? | | | | shows the CI trends in the processing and test zones. The data obtained with test zones may be compared with ing areas with a view to evaluating the impact of infrastructure built in the processing areas. | | | | | | |
| Justification for Disaggregations | No | ot Applicable | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | |
| Entity Responsible for Collecting D | Data at MCA | Irrigatio | on Project Dire | ectorate | | | | | | |
| Point of Contact Responsible for C at MCA: | | | T. SENE | | Phone | 221.77.3 | 333.15.80 | E-mail <u>c</u> | tsene@mcasenegal.org | |
| Entity Responsible for the collection | | | | | | | | | | |
| Detailed description of data collect (including any calculations computed | 33 | The collection of data on the total cultivated areas in the irrigated perimeters and per season (rainy season, dry season, hot dry season). The data collected come from the following sources: Satellite images taken in the middle of the cycle (for different farming seasons); Results of field surveys (conducted by the remote sensing team) and specific studies (socio-land studies) Various mapping means recovered in digital form (soil maps, drawing plans of works, etc.); | | | | | | | | |

| | socio-economic data base (developments / development actors); Data on the total cultivated areas concerning the rainy season is collected by mobilizing SAED's field structure, in each Delegation, under the responsibility of the Monitoring-Evaluation Office (BSE), For each Development Unit (UMV), the type of crops and cultivated areas as well as the PO growing them will be registered. The collected data on areas sown during the rainy season, after verification by the heads of sectors, are entered by the Monitoring and Evaluation Office. Numerator (1) = total cultivated areas for all seasons Denominator (2) = cultivable land surfaces in the Ngalenka Cropping Intensity = (1) / (2) | | | | | | | | | |
|--|--|---------------------------|---|--|--|--|--|--|--|--|
| If survey data, verbatim question(s) posed to respondent Detailed description of how data is transmitted from | These are survey data obtained by SAED on the total cultivated areas in the irrigated land. The data is transmitted to SAED through MCA-S's official correspondence. Besides, a mission of the M&E Directorate is scheduled to | | | | | | | | | |
| source to MCA | meet the Moni | toring and Evaluation tea | m with a view to collecting all raw data required for the calculation of the indicator. | | | | | | | |
| Frequency and timing of data acquisition | ANNUAL | | | | | | | | | |
| Names of verification sources | • | | Means of verification | | | | | | | |
| SEAD Annual Report | | | Statistics on cultivable and cultivated land in the Delta | | | | | | | |
| SAED Data Base | | | | | | | | | | |
| Location of Data Storage SAED | | | | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |
| Date of Data Quality Review | | November 2014 | | | | | | | | |
| Main findings of data quality review | Average Score (out of 4) | Recommendations | IWRM.5 | | | | | | | |
| VALIDITY – Does the data clearly represent the desired results? | 4,0 | N/A | Validite | | | | | | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 4,0 | N/A | 4.0 Praticabilite Fiabilite | | | | | | | |
| 3. TIMELINESS- Are the data current and frequently collected? | 4,0 | N/A | 2.0 | | | | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | 4,0 | N/A | Adequation Opportunite | | | | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 4,0 | N/A | Integrite Precision | | | | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 4,0 N/A | | | | | | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 3,7 | N/A | | | | | | | | |
| Overall assessment | 4,0 | 4,0 | | | | | | | | |
| Action taken in response to data quality review | | edure and methodology | clarified and harmonized with SAED | | | | | | | |
| Known data limitations and significance | Not Applicable | | | | | | | | | |

| Actions taken to address data limitat | tions | Not Applicable | | | | | | | | |
|--|-----------------|----------------|-----------------------------|------------------|---------|--|---|--|--|--|
| INDICATOR BASELINE INFORMATION | ON | | | | | | | | | |
| Old Baseline | 0,2 | Old Bas | Old Baseline Year 2010-2011 | | Sour | ce of old Baseline | SAED Data Base: Refer To Letter SAED N° 1959-12 of 12-12-2012 | | | |
| New Baseline | 20% | New Ba | seline Year | 2010-2011 | Sour | ce of New Baseline | SAED Data Base: Refer To Letter SAED N° 1959-12 of 12-12-2012 | | | |
| Justification for Baseline Change (if any) | MCC has reques | sted that the | e indicator be | | | | | | | |
| INDICATOR TARGET CALCULATION | IS | | | | | | | | | |
| | Targe | | | | | | | | | |
| YEAR 1 | Old | New | | on for change | | MCC has requested t | hat the indicator be reformulated as a percentage | | | |
| Oct 2010 - Sept. 2011 | 0.2 | 20% | targets or | calculations (| if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 2 | Old | New | Justification | n for change | s to | MCC has requested t | hat the indicator be reformulated as a percentage | | | |
| Oct 2011 - Sept. 2012 | 0,2 | 20% | targets or | calculations (| if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 3 | Old | New | Justification | n for change | s to | MCC has requested t | hat the indicator be reformulated as a percentage | | | |
| Oct 2012 - Sept. 2013 | 0,0 | 0% | targets or | calculations (| if any) | | | | | |
| Explanation of assumptions and | | | | | | | | | | |
| inputs to target calculations | | | | | | | | | | |
| YEAR 4 | Old | New | | on for change | | MCC has requested t | hat the indicator be reformulated as a percentage | | | |
| Oct 2013 - Sept. 2014 | 1.0 | 100% | targets or | calculations (| if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 5 | Old | New | Justification | n for change | s to | MCC has requested t | hat the indicator be reformulated as a percentage | | | |
| Oct 2014 - Sept. 2015 | 1.2 | 120% | | calculations (| | · | · | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| Long Term Target | Old | New | Justification | n for | T1 | | | | | |
| | TBD | 180% | changes to | targets or | | ure is given by SAED b rmulated as a percenta | ased on agricultural potential. MCC has requested that the indicator ge | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| COMMENTS | | | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION | N FOR DETAIL FO | CALCULA | ATIONS (if red | nuired) | | | | | | |
| SOLI ELIMENTARI DOCUMENTATION | WI OR DETAILED | JALOULA | 11101110 (11 101 | quii cu <i>j</i> | | | | | | |
| | | | | | | | | | | |

2.6. Indicator IWRM.6. Total area with improved irrigation infrastructure (Delta and Ngalenka)

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|---|----------------|------------------------|--|--|---------------|-----------|----------------|-----------------------|---------------------------------------|--|--|
| Indicator Name | Total area | a with impr | oved irrigation infrastru | ıcture (Delt | a and Ngalen | ka) | Version | | N° 03 / Sept 2015 | | |
| Common Indicator Number | Not Appli | cable | Current Indicat | tor Numbe | r l' | WRM.6. | All Previous I | ndicator Numbers | IWRM.6. | | |
| Level | | Outcome Classification | | | | .evel | Unit of Measu | - | Hectares | | |
| Detailed Definition | | | | | | | | | ion water flows, has been properly | | |
| | | | d irrigation areas include those that were already improved prior to the MCC project and those that are added via irrigation extensions are system that is being rehabilitated through the compact. This is reported by SAED as "superficie amenagee". | | | | | | | | |
| Frequency of Reporting | ANNUAL | иррпеа ву | Reporting F | | | Compact D | | SAED as "superlicie | amenagee". | | |
| Disaggregations | | r (VEC/NO | ' ' | NO | cicu | Compact D | uration | | | | |
| Disaggregations | | r (YES/NO |) | _ | | | | | | | |
| | By age (\ | • | | NO | | | | | | | |
| | , | e (YES/NC | • | NO | | | | | | | |
| | | y (YES/NO |) | YES (Del | ta / Ngalenka |) | | | | | |
| INDICATOR JUSTIFICATION DETA | | TI 1 11 | 1 2 1 1 | 1.1 | CH DA/DAA | | | 11 12 1 1 | . T | | |
| Justification for Including Indicator | r | | | | | | | | ction. The completion of irrigation | | |
| | | | | er the project will increase the availability of water, improve drainage and reduce salinization, and encourage the extension of improved infrastructure (either by other organizations or by individuals) into new areas. | | | | | | | |
| How does the indicator link to the I | ERR? | | | | | | | iven season. If the i | ndicator does not increase over time, | | |
| | | | increase in cultivated area will also eventually be limited | | | | | | | | |
| How does the indicator link to the I | RΔ? | Not Appli | licable | | | | | | | | |
| How does the indicator link to the i | | Not appli | | | | | | | | | |
| evaluation? | | . 101 app | 04.0 | | | | | | | | |
| Justification for Disaggregations | | The data | should be disaggregat | ated by locality (Delta/Ngalenka) | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | | |
| Entity Responsible for Collecting D | Data at MC | A | Irrigation Project Dire | ectorate | | | | | | | |
| Point of Contact Responsible for C at MCA: | ollecting t | he Data | Cheikh T. SENE | | Phone | 221.77 | .333.15.80 | E-mail <u>c</u> | tsene@mcasenegal.org | | |
| Entity Responsible for the collection | | | SAED | | • | | | | | | |
| Detailed description of data collect | | | | | | | | | AED (including disaggregation by | | |
| (including any calculations computed | by source) | | locality). The data will be taken from SAED's statistics on the agriculture campaigns and from maps | | | | | | | | |
| If survey data, verbatim question(s respondent | Not applicable | | | | | | | | | | |
| Detailed description of how data is source to MCA | transmitte | ed from | The data are communicated via official correspondence from SAED to the MCA-S. Additionally, missions by the M&E Directorate are periodically planned to collect and verify the data provided by SAED. | | | | | | | | |

| Frequency and timing of data acquis | ition | QUARTERL | Υ | | | | | | | |
|---|---|--------------------------|-------------|-----------------|-----------------------|---|----------------------|--|--|--|
| Names of verification sources | | | | | Means of verification | | | | | |
| SEAD Annual Report | | | | | Rep | Report from the PMU-Irrigation, SAED Agricultural Campaign Statistics, Maps | | | | |
| SAED Data Base | SAED Data Base | | | | | | | | | |
| Location of Data Storage | | SAED | | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |
| Date of Data Quality Review | | | Nove | November 2014 | | | | | | |
| Main findings of data quality review | | Average Score (out of 4) | | mmendations | | | IWRM.6 | | | |
| 1. VALIDITY – Does the data clearly redesired results? | | 3,8 | N/A | | | | Validite | | | |
| 2. RELIABILITY – Are the data collection stable and consistent over time? | n procedures | 4,0 | N/A | | | Praticabilite | 4.0 3.0 Fiabilite | | | |
| collected? | . TIMELINESS- Are the data current and frequently | | N/A | | | | 2.0 | | | |
| margin of error? | . PRECISION – Does the data have an acceptable hargin of error? | | | 4,0 N/A | | Adequation | Opportunite | | | |
| 5. INTEGRITY- Is the data free from ma | 5. INTEGRITY- Is the data free from manipulation? 4,0 | | | N/A | | Integrite Precision | | | | |
| 6. APPROPRIATENESS – To what exterior indicators fully portray the results? | ent do the | 1,7 | 1,7 N/A | | | | | | | |
| 7. PRACTICABILITY- Is the data currer collected? | nt and frequently | 4,0 | N/A | | | | | | | |
| Overall assessment | | 3,6 | | | | | | | | |
| Action taken in response to data qua | | | | nd methodolog | y clarifi | ed and harmonized witl | n SAED | | | |
| Known data limitations and significa | | Not Applicable | | | | | | | | |
| Actions taken to address data limitat | ions | Not Applicable | | | | | | | | |
| INDICATOR BASELINE INFORMATION | N | | | | | | | | | |
| Old Baseline | 34 848 | Old Baseline | | 2010-2011 | | ce of old Baseline | ERR/SAED database | | | |
| New Baseline | 34 848 | New Baselin | e Year | 2010-2011 | Sour | ce of New Baseline | ERR/SAED database | | | |
| Justification for Baseline Change (if any) | | | | | | | | | | |
| INDICATOR TARGET CALCULATION | IS | | | | | | | | | |
| | Targe | et | | | | | | | | |
| YEAR 1 | Old | | ıstificatio | on for changes | s to | Delta : 34 802 ha | | | | |
| Oct 2010 - Sept. 2011 | 34, 848 | | | calculations (i | | Ngalenka : 46 ha | | | | |
| Explanation of assumptions and inputs to target calculations | | · | • | | • | | | | | |

| YEAR 2 | Old | New | Justification for changes to | Delta : 36 495 ha | | | | | | |
|---|---|--|---|---|--|--|--|--|--|--|
| Oct 2011 - Sept. 2012 | 36,541 | 36,541 | targets or calculations (if an | y) Ngalenka : 46 ha | | | | | | |
| Explanation of assumptions and | | | | | | | | | | |
| inputs to target calculations | | | | | | | | | | |
| YEAR 3 | Old | New | Justification for changes to | Delta: 37 502 ha | | | | | | |
| Oct 2012 - Sept. 2013 | 37,554 | 37,554 | targets or calculations (if an | y) Ngalenka : 52 ha | | | | | | |
| Explanation of assumptions and | | | | | | | | | | |
| inputs to target calculations | | | | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | Delta : 37 941 ha | | | | | | |
| Oct 2013 - Sept. 2014 | 38,381 | 38,381 | targets or calculations (if an | y) Ngalenka : 440 ha | | | | | | |
| Explanation of assumptions and | | | | | | | | | | |
| inputs to target calculations | | | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | Delta : 37 941 ha | | | | | | |
| Oct 2014 - Sept. 2015 | 38,381 | 38,381 | targets or calculations (if an | y) Ngalenka : 440 ha | | | | | | |
| Explanation of assumptions and | | | | | | | | | | |
| inputs to target calculations | | | | | | | | | | |
| Long Term Target | Old | New | Justification for | | | | | | | |
| | 42,721 | 42,721 | changes to targets or calculations (if any) | | | | | | | |
| Explanation of assumptions and | | | | | | | | | | |
| inputs to target calculations | | | | | | | | | | |
| - | This indicator is | different from | n indicator #18 in that it doesn't o | only include hectares once they are affected directly by the project. Thus, the baseline is not | | | | | | |
| | zero. In this wa | ıy, it allows foi | r the measurement of new irriga | ted lands that are added to the system during the life of the compact, which is one of the | | | | | | |
| COMMENTS | expected outco | | | | | | | | | |
| COMMENTS | This indicator replaces the former "Potentially Irrigable Land Area (Delta/Ngalenka)" because, as the former had been collected in practice by SAED, it was | | | | | | | | | |
| | | not going to allow us to see any change over time. This indicator provides a better appreciation of the increase in improved irrigation as a result of Compact | | | | | | | | |
| | investments. | | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | | | | |
| | | | | | | | | | | |

2.7. Indicator IWRM. 7. Hectares under production across cropping seasons (Delta / Ngalenka)

| INDICATOR BASIC DETAILS | | | | | | | | | | | | |
|---|---------------------------|--|---|--------------------------|-----------------|---|--|--|--|--|--|--|
| Indicator Name | Hectares under pr | oduction across cropping seasons | (Delta / Ngalenka) | Version | | N° 02 03 / Sept 2015 | | | | | | |
| Common Indicator Number | Not Applicable | Current Indicator Number | IWRM.7 | All Previous I | ndicator Numb | pers IWRM.8. | | | | | | |
| Level | Outcome | Classification | Level | Unit of Measu | | Hectares | | | | | | |
| Detailed Definition | | | | | | by the MCC in the Delta and Ngalenka. | | | | | | |
| | | be counted once for each cropping | season in which it i | s under production (thus | s, the same hed | ctare could be counted up to three times per | | | | | | |
| 50 11 | year) | | | | | | | | | | | |
| Frequency of Reporting | ANNUAL Description (VEC/N | 0) | Reporting Peri | od Covered | Compac | t Duration | | | | | | |
| Disaggregations | By gender (YES/N | 0) | | | | | | | | | | |
| | By age (YES/NO) | | NO | | | | | | | | | |
| | By income (YES/N | 0) | NO | | | | | | | | | |
| | By locality (YES/N | O) | YES (Delta / No | alenka) | | | | | | | | |
| INDICATOR JUSTIFICATION DETAIL | .S | | | | | | | | | | | |
| Justification for Including Indicator | dev inte | elopment of hectares under product nsity. | ator provides information on the attainment of the IWRM project objective, which is to increase hectares under production. The ent of hectares under production in the irrigated areas will constitute a result that will help assess the progression of cropping | | | | | | | | | |
| How does the indicator link to the EF | | on the basis of the Hectares under nomic model.) | he basis of the Hectares under production assumptions (i.e., total cultivated area across seasons), which were captured in the c model.) | | | | | | | | | |
| How does the indicator link to the BA | A? Not | Applicable | olicable | | | | | | | | | |
| How does the indicator link to the im evaluation? | npact Not | Applicable | licable | | | | | | | | | |
| Justification for Disaggregations | The | data should be disaggregated by lo | ed by locality. | | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | , | | | | | | | | | |
| Entity Responsible for Collecting Da | | Irrigation Project Directorate | | | | | | | | | | |
| Point of Contact Responsible for Co MCA: | llecting the Data at | Cheikh T. SENE | Phone | 221.77.333.15.80 | E-mail | ctsene@mcasenegal.org | | | | | | |
| Entity Responsible for the collection | | SAED | | | | | | | | | | |
| Detailed description of data collection | | | | | | g SAED's field structure, in each Delegation, | | | | | | |
| (including any calculations computed by | y source) | cultivated areas as well as the verification by the heads of s | under the responsibility of the Monitoring-Evaluation Office (BSE), For each Development Unit (UMV), the type of crops and cultivated areas as well as the PO growing them will be registered. The collected data on areas sown during the rainy season, after verification by the heads of sectors, are entered by the Monitoring and Evaluation Office. Data collection concerns the Dry hot and cold seasons as well as the rainy season | | | | | | | | | |
| If survey data, verbatim question(s) | posed to responde | | | | | | | | | | | |
| | | | | | | | | | | | | |

| source to MCA schedule indicator | | | | | | | | | | |
|--|---|--|----------|-----------|------------------------|------------------------|-----------------|--|--|--|
| Frequency and timing of data acquisition | | ANNUA | <u>L</u> | | | | | | | |
| Names of verification sources | | | | | verification | | | | | |
| SEAD Annual Report | | | | Report PM | 1U Irrigation, SAED ha | rvest statistics, Maps | | | | |
| SAED Data Base | | | | | | | | | | |
| Annual Report IWRM project | | | | | | | | | | |
| Location of Data Storage | | SAED | | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |
| Date of Data Quality Review | | | November | 2014 | | | | | | |
| Main findings of data quality review | А | verage Score (out of 4) | Recommer | ndations | | 114/700.4 | | | | |
| VALIDITY – Does the data clearly represent desired results? | the | 3,8 | N/A | | | IWRM.7 | | | | |
| stable and consistent over time? | RELIABILITY – Are the data collection procedures ble and consistent over time? TIMELINESS- Are the data current and frequently | | | | | | | | | |
| 3. TIMELINESS- Are the data current and frequ collected? | | | | | Pra | Fiabilite | | | | |
| 4. PRECISION – Does the data have an accept margin of error? | able | 3,2 | N/A | | | 1.0 | | | | |
| 5. INTEGRITY- Is the data free from manipulation | on? | 4,0 | N/A | | Adam | | Opportunite | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | ie | 4,0 | N/A | | Adeqi | uation | Opportunite | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 7. PRACTICABILITY- Is the data current and | | | | | Integrite | Precision | | | |
| Overall assessment | | 3,9 | | | | | | | | |
| Action taken in response to data quality revi | | ure clarified and harmonized with SAED saggregated by locality | | | | | | | | |
| Known data limitations and significance | | | | | | | | | | |
| Actions taken to address data limitations | N | lot Applicable | | | | | | | | |
| INDICATOR BASELINE INFORMATION | 21.15 | 1 211 2 11 | ., | | | 1.0.00 | | | | |
| Old Baseline | 21, 400 | Old Baseli | | | 2010-2011 | Source of old Baseline | Data Bases SAED | | | |
| New Baseline | 21,400 | New Base | ine Year | | 2010-2011 | Source of New Baseline | Data Bases SAED | | | |

| Justification for Baseline Change (if any) | The original seasons. | baseline ar | nd targets were based on area under management, while the current definition is based on cultivated area summed across |
|--|-----------------------|-------------|--|
| INDICATOR TARGET CALCULATIONS | | | |
| | Tar | get | |
| YEAR 1 | Old | New | Justification for changes to |
| Oct 2010 - Sept. 2011 | 20,300 | 20,300 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| YEAR 2 | Old | New | _ Justification for changes to |
| Oct 2011 - Sept. 2012 | 20,300 | 20,300 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| YEAR 3 | Old | New | _ Justification for changes to |
| Oct 2012 - Sept. 2013 | 20,300 | 20,300 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| YEAR 4 | Old | New | _ Justification for changes to |
| Oct 2013 - Sept. 2014 | 20,300 | 20,300 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 23,600 | 23,600 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | 56,600 | 56,600 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | DETAILED C | ALCULATI | IONS (if required) |
| | | | · · · |
| | | | |

2.8. Indicator IWRM.8: Total flow measured (Q) at the Ronkh and G works

| INDICATOR BASIC DETAILS | | | | | | | | | |
|---|---------------------------------|----------------|---|---|--------------------|--------------------|----------------|----------------|----------------------------|
| Indicator Name | Total flo | w measured (Q |) at the Ronkh and G works | S | | Version | | N | I° 03 / Sept 2015 |
| Common Indicator Number | Not App | olicable | Current Indicator Number | r IW | VRM.8 | All Previous In | dicator Number | rs IV | WRM.9. |
| Level | Outcome | | Classification | Le | evel | Unit of Measure | е | R | ate |
| Detailed Definition | | | g in the network of hydraulic coast of 2.20m). | c systems pe | er unit of time fr | om the Ronkh and G | works. Express | sed in m3/ | s and measured in the off- |
| Frequency of Reporting | ANNUA | .L | | Re | eporting Perio | d Covered | Compact Dura | ation | |
| Disaggregations | By gend | der (YES/NO) | | N | 0 | | | | |
| | | (YES/NO) | | N | 0 | | | | |
| | By inco | me (YES/NO) | | N | 0 | | | | |
| | By local | lity (YES/NO) | | N | 0 | | | | |
| INDICATOR JUSTIFICATION DETAILS | , | , | | | | | | | |
| Justification for Including Indicator | | | | ovides information on the G and Ronkh works outflows. The increase in the Ronkh and G outflows will constitute a result that will e irrigable or cultivable hectares. This increase also reflects the improvement of water availability for irrigated land. | | | | | |
| How does the indicator link to the EF | RR? | | n flow rate is a water availability measurement element; which guarantees an increase in water availability | | | | | | |
| How does the indicator link to the BA | | | ease facilitates water access to more beneficiaries | | | | | | |
| How does the indicator link to the im evaluation? | pact | Not Applicable | | | | | | | |
| Justification for Disaggregations | | Not Applicable |) | | | | | | |
| INDICATOR ACQUISITION PLAN | | - | T | | | | | | |
| Entity Responsible for Collecting Da | | | Irrigation Project Directora | | | T 004 77 000 45 00 | T = " | T | |
| Point of Contact Responsible for Col MCA: | llecting ti | ne Data at | Cheikh T. SENE | Phone | | 221.77.333.15.80 | E-mail | <u>ctsene@</u> | <u>Pmcasenegal.org</u> |
| Entity Responsible for the collection | of prima | ry Data | SAED | | | | · | | |
| Detailed description of data collection | | dology | Use data from the PMU Irrigation report. Water flow measurements will be calculated using the water flow meters to be installed | | | | | | |
| (including any calculations computed by | | | by the Compact. | | | | | | |
| If survey data, verbatim question(s) p | SAED harvest statistics Maps | | | | | | | | |
| Detailed description of how data is transmitted from source to MCA The data is transmitted to SAED through MCA-S's official correspondence scheduled to meet the Monitoring and Evaluation team with a view to coll indicator. | | | | | | | | | |
| Frequency and timing of data acquis | ition | | ANNUAL | | | | | | |

| Names of verification sources | | | | Mea | Means of verification | | | |
|---|--|-------|---------------------|----------------|--|----------------------------|--------------|--------------------------------|
| SEAD Annual Report | | | | Repo | rt PMU Irriga | ation, SAED harvest statis | ics. Map | S |
| SEAD Annual Report | | | | | Rapport PMU Irrigation, Rapport sur les Indicators | | | |
| Flow measurement Report S | | | | | SAED Data Base | | | |
| Location of Data Storage SAED | | | | | | | | |
| INDICATOR DATA QUALITY | | 1 | | | | | | |
| Date of Data Quality Review | | | November 2014 | | | | | |
| Main findings of data quality review | Average (out of 4) | | Recommendations | | | IWRM | 1.8 | |
| VALIDITY – Does the data clearly represent the desired results? | ne 3,7 | , | N/A | | | Validite | 2 | |
| RELIABILITY – Are the data collection procedures stable and consistent over time? | 4,0 | | N/A | | Pra | 4.0 ticabilite 2.0 | | Fiabilite |
| 3. TIMELINESS- Are the data current and freque collected? | ently 4,0 | | N/A | | 1.0 | | | |
| 4. PRECISION – Does the data have an accepta margin of error? | 4,0 | | N/A | | Adequation Opportunite Integrite Precision | | | |
| 5. INTEGRITY- Is the data free from manipulation | n? 4,0 | | N/A | | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 4,0 | | N/A | | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 3,7 | | N/A | | | | | |
| Overall assessment | 3,9 | 1 | | | | | | |
| Action taken in response to data quality review | w Not Appli | cable | | | | | | |
| Known data limitations and significance | Not Appli | cable | | | | | | |
| Actions taken to address data limitations | Actions taken to address data limitations Not Applicable | | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | |
| Old Baseline | 20 Old Baseline Ye | | | 2010 - | | Source of old Baseline | | AED flow measurement campaign |
| New Baseline | | | seline Year | 2011- | | Source of New Baselin | | AED flow measurement campaign |
| Justification for Baseline Change (if any) Implementation of the Program to Improve | | | rogram to Improve W | ater Availabil | ty (PDMAS) | resulted in an increase in | flows before | ore the start of Compact works |
| INDICATOR TARGET CALCULATIONS | | | | | | | | |
| N=== : | Target | | | | | | | |
| YEAR 1 | Old | New | | | | | | |

| Oct 2010 - Sept. 2011 | 20 | 20 | Justification for changes to | | | | |
|---|--------------------------|------------|---|--|--|--|--|
| Oct 2010 Sept. 2011 | 20 | 20 | targets or calculations (if any) | | | | |
| Explanation of assumptions and inputs to | | | | | | | |
| target calculations | | | | | | | |
| YEAR 2 | Old | New | Justification for changes to | | | | |
| Oct 2011 - Sept. 2012 | 20 | 20 | targets or calculations (if any) | | | | |
| Explanation of assumptions and inputs to | | | | | | | |
| target calculations | | | | | | | |
| YEAR 3 | Old | New | Justification for changes to | | | | |
| Oct 2012 - Sept. 2013 | 20 | 20 | targets or calculations (if any) | | | | |
| Explanation of assumptions and inputs to | | | | | | | |
| target calculations | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | |
| Oct 2013 - Sept. 2014 | 20 | 20 | targets or calculations (if any) | | | | |
| Explanation of assumptions and inputs to | | | | | | | |
| target calculations | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | |
| Oct 2014 - Sept. 2015 | 65 | 65 | targets or calculations (if any) | | | | |
| Explanation of assumptions and inputs to | | | | | | | |
| target calculations | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | |
| | 65 | N/A | targets or calculations (if any) | | | | |
| Explanation of assumptions and inputs to | | | | | | | |
| target calculations | | | | | | | |
| COMMENTS | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | |
| NB : Measurements for the baseline year made in | n 12 th March | , 2012 (Re | fer To "Rapport mesure de débit du 12 Mars 2012" SAED, mars 2012) | | | | |

2.9. Indicator IWRM.9. Number of hectares formalized (having a land allocation title and registered)

| INDICATOR BASIC DETAILS | | | | | | | | | |
|---|--|--------------------------------------|---|--------------------|----------------------------|---|--|--|--|
| Indicator Name | Number of hectares fo | rmalized (having a land allocation | title and registered |) Version | | N° 03 /Sept 2015 | | | |
| Common Indicator Number | Not Applicable | Current Indicator Number | IWRM.9 | All Previou | us Indicator Numbers | IWRM.10. | | | |
| Level | Outcome | Classification | Cumulative | Unit of Me | | Hectares | | | |
| Detailed Definition | | rural land that were officially reco | gnized through the | issuance of a land | allocation title by the Lo | ocal Authorities in the project's | | | |
| | intervention areas. | | <u> </u> | | | | | | |
| Frequency of Reporting | QUARTERLY | | Reporting Peri | od Covered | Compact Duration | | | | |
| Disaggregations | By gender (YES/NO) | | NO | | | | | | |
| | By age (YES/NO) | | NO | | | | | | |
| | By income (YES/NO) | | NO | | | | | | |
| | By locality (YES/NO) | | YES (Delta / Po | odor) | | | | | |
| Comments about the | | | · · · · · · · · · · · · · · · · · · · | | | | | | |
| Disaggregation | | | | | | | | | |
| INDICATOR JUSTIFICATION DETAIL | | | | | | | | | |
| Justification for Including Indicator | | | | | sting ones and of their r | registration. The registration of plots | | | |
| | will thus improve | land management and, in particular | lar, to formalize land | d use rights. | | | | | |
| How does the indicator link to the | Not Applicable | | | | | | | | |
| ERR? | | | | | | | | | |
| How does the indicator link to the I | | icates the number of beneficiaries | the number of beneficiaries of new allocations or regularizations for the land tenure security activity | | | | | | |
| How does the indicator link to the impact evaluation? | Not Applicable | | | | | | | | |
| Justification for Disaggregations | The indicator will | be disaggregated by locality (Del- | ta / Podor) | | | | | | |
| INDICATOR ACQUISITION PLAN | | | , | | | | | | |
| Entity Responsible for Collecting D | Data at MCA | Land and Institutional Ref | forms Directorate | | | | | | |
| Point of Contact Responsible for C | collecting the Data at M | ICA: Alain DIOUF | Phone | 221.77.333.15.72 | E-mail | adiouf@mcasenegal.org | | | |
| Entity Responsible for the collection | | Consultant responsible fo | | | | | | | |
| Detailed description of data collection methodology (including Use reports of the PMU Irrigation, of the Consultant responsible for land tenure security. | | | | | | | | | |
| any calculations computed by source | | | | | | | | | |
| If survey data, verbatim question(s | If survey data, verbatim question(s) posed to respondent | | | | | | | | |
| Detailed description of how data is transmitted from source | | | | | | | | | |
| to MCA | | | | | | | | | |
| Frequency and timing of data acqu | isition | QUARTERLY | | | | | | | |

| Names of verification sources | | | Means of verification | on | | | | |
|--|----------------------------------|--------------------------|------------------------------------|---|--|--|--|--|
| F&RI Directorate | | | Report F&RI Directorate | | | | | |
| Local Governments | | | Land Registers (Local Governments) | | | | | |
| Location of Data Storage | | MCA (Land | and Institutional Refo | rms Directorate) | | | | |
| INDICATOR DATA QUALITY | | , | | | | | | |
| Date of Data Quality Review | | | November 2014 | | | | | |
| Main findings of data quality review | | Average Score (out of 4) | Recommendations | | | | | |
| 1. VALIDITY – Does the data clearly represent results? | | 3,0 | None | IWRM.9 | | | | |
| 2. RELIABILITY – Are the data collection proce and consistent over time? | edures stab | le 3,6 | None | Validite | | | | |
| 3. TIMELINESS- Are the data current and frequency collected? | uently | 3,7 | None | 30 | | | | |
| 4. PRECISION – Does the data have an acceperror? | otable marg | in of 4,0 | None | Praticabilite 2.0 Fiabilite | | | | |
| 5. INTEGRITY- Is the data free from manipulat | ion? | 4,0 | None 1.0 | | | | | |
| 6. APPROPRIATENESS – To what extent do t fully portray the results? | he indicator | rs 4,0 | None | Adequation | | | | |
| 7. PRACTICABILITY- Is the data current and fr collected? | requently | 4,0 | None | | | | | |
| Overall assessment | | 3,8 | | Integrite Precision | | | | |
| Action taken in response to data quality rev | view | • | Not Applicable | | | | | |
| Known data limitations and significance | | | Not Applicable | | | | | |
| Actions taken to address data limitations | | | Not Applicable | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | |
| Old Baseline | 0 | Old Baseline Year | 2010-2011 2010-2011 | Source of old Baseline F&RI Directorate Work Plan | | | | |
| | New Baseline 0 New Baseline Year | | | Source of New Baseline F&RI Directorate Work Plan | | | | |
| Justification for Baseline Change (if any) | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | |

| | Tar | get | |
|--|-------------|---------------|----------------------------------|
| YEAR 1 | Old | New | Justification for changes to |
| Oct 2010 - Sept. 2011 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and | | | |
| inputs to target calculations | | | |
| YEAR 2 | Old | New | Justification for changes to |
| Oct 2011 - Sept. 2012 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and | | • | |
| inputs to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 748 | 748 | targets or calculations (if any) |
| Explanation of assumptions and | Podor (Nga | ilenka) : 440 |) ha et Delta : 308 ha. |
| inputs to target calculations | | 1 | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 3 440 | 3 440 | targets or calculations (if any) |
| Explanation of assumptions and | Includes De | elta (3000 ha | a) and Podor/Ngalenka (440 ha) |
| inputs to target calculations | | 1 | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and | | | |
| inputs to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION | N FOR DETA | ILED CALC | CULATIONS (if required) |
| | | | • • |

2.10. Indicator IWRM.10. Percentage of land disputes resolved

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|--|---|---|---|------------------------------------|---------------------|---------------------------------|--------------------------------------|--|--|--|
| Indicator Name | Percentage of land of | lisputes resolved | | | Version | | N° 03 / Sept 2015 | | | |
| Common Indicator Number | Not Applicable Current Indicator Number | | | IWRM.10 | All Previous In | dicator Numbers | IWRM.11. | | | |
| Level | Outcome | Classification | | Level (Cumulative) | Unit of Measur | | Percentage | | | |
| Detailed Definition | | | | | | land settlement comn | nissions in the town or municipal | | | |
| | | land disputes regist | tered by these la | nd conflict resolution b | odies. | | | | | |
| Frequency of Reporting | QUARTERLY | | | Reporting Period C | overed | Compact Duration | | | | |
| Disaggregations | By gender (YES/NO) | | | NO | | | | | | |
| | By age (YES/NO) | | | NO | | | | | | |
| | By income (YES/NO | | | NO | | | | | | |
| | By locality (YES/NO) | <u> </u> | | YES (Delta / Podor) | | | | | | |
| Comments about the Disaggregat | tion | | | | | | | | | |
| INDICATOR JUSTIFICATION DETA | NLS . | | | | | | | | | |
| Justification for Including Indicate | or | | | | | | on bodies. It will also put in place | | | |
| | | | | | | | ut in place and activities | | | |
| | | | | sing whether disputes a | re resolved or not; | in accordance with the | e regulatory provisions in force. | | | |
| How does the indicator link to the | | Not Applicable | | | | | | | | |
| How does the indicator link to the | | Not Applicable | | | | | | | | |
| How does the indicator link to the | e impact evaluation? | Not Applicable | | | | | | | | |
| Justification for Disaggregations | | The indicator | will be disaggregated by locality (Delta / Podor) | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | |
| Entity Responsible for Collecting | | | Land and Institutional Reforms Directorate | | | | | | | |
| Point of Contact Responsible for | | t MCA: | Alain DIOUF | | 221.77.333.15.72 | E-mail | adiouf@mcasenegal.org_ | | | |
| Entity Responsible for the collect | | | | sponsible for the Land | | | | | | |
| Detailed description of data collection | ction methodology (i | ncluding any | Collecting data on disputes on the basis of registers managed by the consultant and commissions responsible | | | | | | | |
| calculations computed by source) | | | for dispute resolution. | | | | | | | |
| | | | "Percentage of land disputes resolved" = (Number of disputes resolved) x 100 / (Number of disputes | | | | | | | |
| If a company data are the stime are a stime of | /-\ | 1 | registered). | | | | | | | |
| If survey data, verbatim question(| | Not Applicable | | | | | | | | |
| Detailed description of how data in | | The data is transmitted by the Land and Institutional Reforms Directorate | | | | | | | | |
| Names of verification sources | | | | | | ARTERLY Manual of constitutions | | | | |
| F&RI Directorate | | | | Means of verification | | | | | | |
| | | | | Report F&RI Directorate | | | | | | |
| Local Governments | | | | Land Registers (Local Governments) | | | | | | |
| F&RI Directorate | | Dispute monitoring sheet | | | | | | | | |

| Location of Data Storage | MCA (I | Land and Institutional Ref | orms Directorate) | | | | |
|--|--------------------------|----------------------------|------------------------|-----------------|--|--|--|
| INDICATOR DATA QUALITY | | | | | | | |
| Date of Data Quality Review | | June 2013 | | | | | |
| Main findings of data quality review | Average Score (out of 4) | Recommendations | | | | | |
| 1. VALIDITY – Does the data clearly represent the desir results? | ed 3,6 | N/A | | | | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 4,0 | N/A | ľ | WRM.10 Validite | | | |
| 3. TIMELINESS- Are the data current and frequently collected? | 3,2 | N/A | | 4.0 | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | 3,0 | N/A | Praticabilite | 3.0 Fiabilite | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 4,0 | N/A | | 1.0 | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 2,4 | N/A | Adequation | Opportunite | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 2,7 | N/A | | | | | |
| Overall assessment | 3,3 | | Integrite | Precision | | | |
| Action taken in response to data quality review | Not Applicable | 1 | | | | | |
| Known data limitations and significance | Not Applicable | | | | | | |
| Actions taken to address data limitations | Not Applicable | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | |
| Old Baseline 0% Old Ba | seline Year | 2010 - 2011 | Source of old Baseline | DFRI Work Plan | | | |
| | aseline Year | 2010 - 2011 | Source of New Baseline | DFRI Work Plan | | | |
| Justification for Baseline Change (if any) | <u> </u> | <u>'</u> | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | |
| Target | | | | | | | |
| YEAR 1 Old New | lustification fo | r changes to targets or | | | | | |
| Oct 2010 - Sept. 2011 0% 0% | calculations (if | | | | | | |
| Explanation of assumptions and | 52.52.64.51.5 (11 | <i>-</i> J/ | I | | | | |
| inputs to target calculations | | | | | | | |
| YEAR 2 Old New | | | | | | | |

| Oct 2011 - Sept. 2012 | 0% | 0% | Justification for changes to targets or calculations (if any) | |
|--|-----------|-----------|---|---|
| Explanation of assumptions and inputs to target calculations | | I | calculations (if any) | |
| YEAR 3 | Old | New | Justification for changes to targets or | The Land Tenure Security implementation activities will start in year 3 but dispute |
| Oct 2012 - Sept. 2013 | 0% | 0% | calculations (if any) | resolution will effectively start in year 4. |
| Explanation of assumptions and inputs to target calculations | | | • | |
| YEAR 4 | Old | New | Justification for changes to targets or | |
| Oct 2013 - Sept. 2014 | 30% | 30% | calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| YEAR 5 | Old | New | Justification for changes to targets or | |
| Oct 2014 - Sept. 2015 | 50% | 50% | calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | • | |
| Long Term Target | Old | New | Justification for changes to targets or | |
| | 50% | 50% | calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | • | | |
| COMMENTS | | | | |
| SUPPLEMENTARY DOCUMENTATION | ON FOR DI | ETAILED C | ALCULATIONS (if required) | |

$2.11. \ \ Indicator \ IWRM.11. \ Length \ of \ rehabilitated \ hydraulic \ axes \ in \ the \ Delta$

| INDICATOR BASIC DETAILS | | | | | | | | |
|--|---|---------------------|---|-------------------|--------------------------------|-----------------------|--------------|--|
| Indicator Name | Length of rehabilitate | d hydraulic axes | in the Delta | | Version | | | N° 03 / Sept 2015 |
| Common Indicator Number | Not Applicable | Current Indica | | IWRM. 11. | All Previous Indicator Numbers | | ers | IWRM.12. / IWRM.13. |
| Level | Output | Classification | | Cumulative | Unit of Me | easure | | Kilometers |
| Detailed Definition | Designates works (Lo | ot 2 Delta) relativ | e to weed cutting, d | redging and cor | tainment of | the roads Gorom U | lpstream, | Gorom Downstream, Lampsar |
| | Upstream, Lampsar I | Downstream, Ca | nal Gandiolais, Nga | | | | | |
| Frequency of Reporting | QUARTERLY | | | Reporting Pe | riod Covere | d Comp | oact Dura | tion |
| Disaggregations | By gender (YES/NO) | | | NO | | <u>.</u> | | |
| | By age (YES/NO) | | | NO | | | | |
| | By income (YES/NO) | | | NO | | | | |
| | By locality (YES/NO) | | | NO | | | | |
| INDICATOR JUSTIFICATION DETA | AILS | | | | | | | |
| Justification for Including Indicat | | | | | | | | abilitation of these axes will boost the |
| | | | nfrastructure and th | us lead to an inc | rease in pro | ductivity and agricul | Itural prod | duction. |
| How does the indicator link to the | | plicable | | | | | | |
| How does the indicator link to the | ' | plicable | | | | | | |
| How does the indicator link to the | e impact Not Ap | plicable | | | | | | |
| evaluation? | | | | | | | | |
| Justification for Disaggregations | Not Ap | plicable | | | | | | |
| INDICATOR ACQUISITION PLAN | . D-11 MOA | | lunia atian Dania at F | N | | | | |
| Entity Responsible for Collecting | | + NAC A . | Irrigation Project Directorate | | | | | |
| Point of Contact Responsible for Entity Responsible for the collect | | ILIVICA: | Cheikh T. SENE Phone 221.77.333.15.80 E-mail ctsene@mcasenegal.org | | | | | |
| Detailed description of data colle | | acluding any | Consultant in charge of the supervision of works in the Delta Use data provided by the Consultant responsible for supervising works in the Delta | | | | | |
| calculations computed by source) | ction methodology (i | icidaling arry | Use data provided | by the Consult | ant responsi | ole for supervising w | voiks iii ti | ie Della |
| If survey data, verbatim question | (s) posed to respond | ent | Not Applicable | | | | | |
| Detailed description of how data | is transmitted from s | ource to MCA | The data is transmitted by the Irrigation Directorate | | | | | |
| Frequency and timing of data acc | quisition | | QUARTERLY | <u> </u> | <u> </u> | | | |
| Names of verification sources | Means of verification | | | | | | | |
| PMU Irrigation Report | Final reports and Certificate of Completion | | | | | | | |
| Report of the inspection mission or | Report of the Engineer on the works performed by the Firm | | | | | | | |
| Location of Data Storage | | | MCA-S (Irrigation Project Directorate) | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | |
| INDIGITION DITIN CONLITT | | | | | | | | |

| Date of Data Quality Review | | | | Nover | mber 2014 | | | | |
|--|--|--------|-----------------------|----------------|----------------------|-----------------|---|--|--|
| Main findings of data quality review | ew | | Average So (out of 4) | core Recon | nmendations | | | | |
| 1. VALIDITY – Does the data clearly desired results? | y represent | the | 4,0 | | N/A | | IWRM.11 | | |
| 2. RELIABILITY – Are the data colle stable and consistent over time? | 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | | | | N/A | Validite 4.0 | | | |
| 3. TIMELINESS- Are the data currer collected? | nt and frequ | uently | 4,0 | | N/A | | Praticabilite 3.0 Fiabilite | | |
| 4. PRECISION – Does the data hav margin of error? | e an accep | table | 4,0 | | N/A | | 1.0 | | |
| 5. INTEGRITY- Is the data free from | | | 4,0 | | N/A | | | | |
| 6. APPROPRIATENESS – To what indicators fully portray the results? | | | 4,0 | | N/A | | Adequation Opportunite | | |
| 7. PRACTICABILITY- Is the data cu collected? | 7. PRACTICABILITY- Is the data current and frequently | | | | N/A | | | | |
| Overall assessment | Overall assessment | | | | | | Integrite Precision | | |
| Action taken in response to data | | iew | Not Applica | | • | | | | |
| Known data limitations and signif | | | Not Applica | | | | | | |
| Actions taken to address data lim | | | Not Applica | Not Applicable | | | | | |
| INDICATOR BASELINE INFORMA | | LOLLD | l' \/ | | 1 0010 001 | 14 | C CLIP II IMPMD I IM I DI | | |
| Old Baseline | 0 | + | seline Year | | 2010 - 201 | | Source of old Baseline IWRM Project Work Plan | | |
| New Baseline | 0 | New B | aseline Year | <u> </u> | 2010 - 201 | 1 | Source of New Baseline IWRM Project Work Plan | | |
| Justification for Baseline Change | (if any) | | | | | | | | |
| INDICATOR TARGET CALCULATION | ONS | | | | | | | | |
| | | Tai | rget | | | | | | |
| YEAR 1 | | Old | New | | for changes to | | | | |
| Oct 2010 - Sept. 2011 | | 0 | 0 | targets or ca | alculations (if any) | | | | |
| Explanation of assumptions and inputs to target calculations | | | · | | | | | | |
| YEAR 2 Old | | | | | for changes to | | | | |
| | | | 0 | targets or ca | alculations (if any) | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| YEAR 3 | | Old | New | | | | | | |

| Oct 2012 - Sept. 2013 | 0 | 0 | Justification for changes to targets or calculations (if any) | | | | | | | |
|---|---|-------|---|--|--|--|--|--|--|--|
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | | | | |
| Oct 2013 - Sept. 2014 | 40 | 40 | targets or calculations (if any) | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | | | | |
| Oct 2014 - Sept. 2015 | 144.5 | 144.5 | targets or calculations (if any) | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | | | | |
| | N/A | N/A | targets or calculations (if any) | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| This represents lot 2 Delta works with the following stretches: Gorom Upstream (24.8km), Gorom Downstream (7.8 km), Kassack Nord (10.3 km), Kassack Sud (9.73 km), Lampsar Upstream (20.11 km), Lampsar Médian (24.93 km), Lampsar Downstream (17,31 km), Canal Gandiolais (7,9 km), Ngalam (12,9 km) et Nkrankaye (8.67 km), i.e. a total of 144.5 km. | | | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | | | |
| | | | | | | | | | | |

2.12. Indicator IWRM.12. Length of the main drainage canal built in the Delta

| INDICATOR BASIC DETAILS | | | | | | | | | | | | |
|---|----------------------|--------------------------|--|---|------------------|-----------------------------|----------------|-----------------------|--|--|--|--|
| Indicator Name | Length of the main | drainage canal built in | the Delta | | | Version | | N° 03 / Sept 2015 | | | | |
| Common Indicator Number | Not Applicable | Current Indicator Nu | mber | IWRM. | 12 | All Previous Indicator Nu | mbers | IWRM.13. / IWRM.14. | | | | |
| Level | Output | Classification | | Cumula | | Unit of Measure | | Kilometers | | | | |
| Detailed Definition | The constructed le | ngth of a new drain (tra | nche 2 of b | he 2 of branch B of the Delta emissary). It is in the lot 3-Delta | | | | | | | | |
| Frequency of Reporting | QUARTERLY | | | | orting Period | Covered Compa | ct Duration | | | | | |
| Disaggregations | By gender (YES/N | O) | | | NO | | | | | | | |
| | By age (YES/NO) | | | NO | NO | | | | | | | |
| | By income (YES/N | | | NO | | | | | | | | |
| | By locality (YES/N | 0) | | NO | | | | | | | | |
| INDICATOR JUSTIFICATION DETAILS | | | | | | | | | | | | |
| Justification for Including Indicator | | | ovides info | rmation o | n the length of | the main drainage canal bui | ilt in the Del | ta | | | | |
| How does the indicator link to the E | | Not Applicable | | | | | | | | | | |
| How does the indicator link to the E | | Not Applicable | | | | | | | | | | |
| How does the indicator link to the in | mpact evaluation? | Not Applicable | | | | | | | | | | |
| Justification for Disaggregations | | Not Applicable | Not Applicable | | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | | | |
| Entity Responsible for Collecting D | | Irrigation Project | | | | | | | | | | |
| Point of Contact Responsible for Co | ollecting the Data a | t Cheikh T. SENE | • | | Phone | 221.77.333.15.80 | E-mail | ctsene@mcasenegal.org | | | | |
| MCA: | | | | | | | | | | | | |
| Entity Responsible for the collection | | | Consultant responsible for supervising works in the Delta | | | | | | | | | |
| Detailed description of data collecti | | Use data provide | Use data provided by the Consultant responsible for supervising works in the Delta | | | | | | | | | |
| (including any calculations computed | | | | | | | | | | | | |
| If survey data, verbatim question(s) | • | | Not Applicable | | | | | | | | | |
| Detailed description of how data is source to MCA | transmitted from | The data is trans | The data is transmitted by the Irrigation Directorate | | | | | | | | | |
| Frequency and timing of data acqui | isition | QUARTERLY | QUARTERLY | | | | | | | | | |
| Names of verification sources | | <u>.</u> | | Means | of verification | | | | | | | |
| PMU Irrigation Report | | | | Final re | eports and Certi | ficate of Completion | | | | | | |
| Report of the inspection mission | | | | Final re | eports and Certi | ficate of Completion | | | | | | |
| Location of Data Storage | | MCA-S (Irrigatio | n Project D |)irectorat | e) | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | | | |
| Date of Data Quality Review | | | November 2014 | | | | | | | | | |
| Main findings of data quality review | V | Average Score (out of 4) | Recomn | nendatio | ns | | | | | | | |

| VALIDITY – Does the data clearly represent results? | VALIDITY – Does the data clearly represent the desired recults? | | | | | | | | |
|---|--|-----|-----------------------------|----------------------------------|------------------------------|----------|---------------------|---|--|
| RELIABILITY – Are the data collection pland consistent over time? | rocedures stal | ole | 3, | ,6 | N/A | | | IWRM.12 | |
| 3. TIMELINESS- Are the data current and f collected? | | | | | N/A | Validite | | | |
| error? | 4. PRECISION – Does the data have an acceptable margin of error? | | | .,0 | 4.0 Praticabilite Fiabilite | | | | |
| 5. INTEGRITY- Is the data free from manip | | | 4 | ,0 | N/A | | | 2.0 | |
| 6. APPROPRIATENESS – To what extent fully portray the results? | do the indicato | ors | 4. | .,0 | N/A | | | 1.0 | |
| 7. PRACTICABILITY- Is the data current ar collected? | nd frequently | | 4 | .,0 | N/A | | | Adequation | |
| Overall assessment | | 3, | ,9 | | | | Integrite Precision | | |
| Action taken in response to data quality | review | | Not App | plicable | | | | | |
| Known data limitations and significance | | | | Not Applicable | | | | | |
| Actions taken to address data limitation | S | | Not App | plicable | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | |
| Old Baseline | | (|) | Old Ba | seline Year | 2 | 010 - 2011 | Source of old Baseline Irrigation Project Work Plan | |
| New Baseline | | (|) | New Ba | seline Year 201 | | 010 - 2011 | Source of New Baseline Irrigation Project Work Plan | |
| Justification for Baseline Change (if any | ') | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | |
| | Targe | et | | | | | | | |
| YEAR 1 | Old | New | Justi | fication | for changes to |) | | | |
| Oct 2010 - Sept. 2011 | 0 | 0 | targets or calculations (if | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| YEAR 2 | | | | Justification for changes to | | | | | |
| Oct 2011 - Sept. 2012 | | | | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| VEAD 2 | OL-I | NI | 1 | C' 1' | | | - | | |

Justification for changes to targets or calculations (if any)

YEAR 3

Oct 2012 - Sept. 2013

Old

New

| Explanation of assumptions and inputs | | | |
|---------------------------------------|------------|-------------|---|
| to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 40.8 | 40.8 | targets or calculations (if any) |
| Explanation of assumptions and inputs | Delta : 21 | .7 km of ne | ew drain and 19.1 km of drain to be standardized (current Djeuss) |
| to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FOI | R DETAILEI | CALCUL | LATIONS (if required) |
| | | | |

2.13. Indicator IWRM.13. Total length of canals and drains built in Ngalenka

| INDICATOR BASIC DETAILS | | | | | | | | | | | | |
|--|---|----------------|---|--|-------------|---------------------|-------------------------------|--------------------|--|--|--|--|
| Indicator Name | Total length of canals a | | | | | Version | | N° 03 / Sept 2015 | | | | |
| Common Indicator Number | Not Applicable | Current Ind | icator Number | IWRM.13 | | All Previous Ind | icator Numbers | IWRM.14 / IWRM.15. | | | | |
| Level | Output | Classificati | | Cumulative | | Unit of Measure | | Kilometers | | | | |
| Detailed Definition | Total length of canals a | ind drains nev | vly built by the projec | | | _ | | | | | | |
| Frequency of Reporting | QUARTERLY | | | Reporting | Period C | Covered | Compact Duration | on | | | | |
| Disaggregations | By gender (YES/NO) | | | NO | | | | | | | | |
| | By age (YES/NO) | | | NO | | | | | | | | |
| | By income (YES/NO) | | | NO | | | | | | | | |
| | By locality (YES/NO) | | | NO | | | | | | | | |
| INDICATOR JUSTIFICATION DE | | | | | | | | | | | | |
| Justification for Including Indic | | | dicator provides info | rmation on the to | otal length | h of canals and dr | ains built in Ngale | enka | | | | |
| How does the indicator link to the | | | plicable | | | | | | | | | |
| How does the indicator link to the | | · | plicable | | | | | | | | | |
| How does the indicator link to the | <u> </u> | | plicable | | | | | | | | | |
| Justification for Disaggregation | | Not Ap | plicable | | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | | | |
| Entity Responsible for Collecting | ng Data at MCA | | Irrigation Project [| Directorate | | | | | | | | |
| Point of Contact Responsible for | or Collecting the Data a | t MCA: | Cheikh T. SENE | Cheikh T. SENE Phone 221.77.333.15.80 E-mail ctsene@mcasenegal.org | | | | | | | | |
| Entity Responsible for the colle | ction of primary Data | | Consultant responsible for supervising works in Ngalenka | | | | | | | | | |
| Detailed description of data coll calculations computed by source) | lection methodology (ir | cluding any | Use data provided by the Consultant responsible for supervising works in Ngalenka | | | | | | | | | |
| If survey data, verbatim questio | n(s) posed to responde | ent | Not Applicable | | | | | | | | | |
| Detailed description of how date MCA | a is transmitted from so | ource to | The data is transmitted by the Irrigation Directorate | | | | | | | | | |
| Frequency and timing of data a | cquisition | | QUARTERLY | | | | | | | | | |
| Names of verification sources | | | | | Means | of verification | | | | | | |
| PMU Irrigation Report | | | | | | | and Certificate of Completion | | | | | |
| Report of the inspection mission | | | | | | eports and Certific | cate of Completion | n | | | | |
| Location of Data Storage | Location of Data Storage MCA-S (Irrigation Project Directorate) | | | | | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | | | |
| Date of Data Quality Review | | | Novemb | er 2014 | | | | | | | | |
| | | | • | | | | | | | | | |

| Main findings of data quality review | Avera (out o | ige Score | Recommendations | | |
|--|---|-------------------------|-----------------|-----------------------|--|
| VALIDITY – Does the data clearly represent tresults? | the desired | (0.000 | 4,0 | N/A | |
| 2. RELIABILITY – Are the data collection proceed and consistent over time? | | | | | IWRM.13 |
| 3. TIMELINESS- Are the data current and frequency collected? | TIMELINESS- Are the data current and frequently | | | | Validite 4.0 |
| 4. PRECISION – Does the data have an accept of error? | ECISION – Does the data have an acceptable margin | | | N/A | Praticabilite 3.0 Fiabilite |
| 5. INTEGRITY- Is the data free from manipulation | on? | | 4,0 | N/A | 2.0 |
| 6. APPROPRIATENESS – To what extent do the fully portray the results? | | | 4,0 | N/A | |
| 7. PRACTICABILITY- Is the data current and fre collected? | equently | | 4,0 | N/A | Adequation Opportunite |
| Overall assessment | | | 3,9 | | Integrite Precision |
| Action taken in response to data quality revi | ew | | pplicable | | |
| Known data limitations and significance | | | pplicable | | |
| Actions taken to address data limitations | | Not A | pplicable | | |
| INDICATOR BASELINE INFORMATION | | | | | |
| Old Baseline | | Old Base | | 2010 - 2011 | |
| New Baseline | 0 | New Bas | eline Year | 2010 - 2011 | Source of New Baseline Work Plan of the Irrigation Project |
| Justification for Baseline Change (if any) | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | |
| | Tarç | <mark>get</mark> New | | | |
| YEAR 1 | | | | on for changes to | |
| Oct 2010 - Sept. 2011 Explanation of assumptions and inputs to target calculations | 0 | 0 | targets or | calculations (if any) | |
| YEAR 2 | Old | New | | | |

| Oct 2011 - Sept. 2012 | 0 | 0 | Justification for changes to targets or calculations (if any) | | | | | | | |
|--|---|------------|--|--|--|--|--|--|--|--|
| Explanation of assumptions and inputs to target calculations | | | targets or carculations (if arry) | | | | | | | |
| YEAR 3 | Old | New | Justification for changes to | | | | | | | |
| Oct 2012 - Sept. 2013 | 25,0 | 25,0 | targets or calculations (if any) | | | | | | | |
| Explanation of assumptions and inputs to | This repre | esents the | following canals and drains: main drain (2.0 km), secondary drain (14.0 km), main canal (2.0 km) and secondary canal | | | | | | | |
| target calculations | (7.0 km). | | | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | | | | |
| Oct 2013 - Sept. 2014 | 25,0 | 25,0 | targets or calculations (if any) | | | | | | | |
| Explanation of assumptions and inputs to | | | | | | | | | | |
| target calculations | | | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | | | | |
| Oct 2014 - Sept. 2015 | 25,0 | 25,0 | targets or calculations (if any) | | | | | | | |
| Explanation of assumptions and inputs to | | | | | | | | | | |
| target calculations | | | | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | | | | |
| | N/A | N/A | targets or calculations (if any) | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| COMMENTS | | | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | | | |
| | | | | | | | | | | |

2.14. Indicator IWRM.14. Hectares under improved irrigation (with MCC support)

| Indicator Name | INDICATOR BASIC DETAILS | | | | | | | | | | | | |
|--|------------------------------------|------------------|------------------|--------------|---|---------------------------|-------------------------------|-----------|-----------------|---------------|----------------|---------------------|--|
| Level Output Classification Cumulative Unit of Measure* Hectares | Indicator Name | Hectares und | er improved irr | gation (witl | h MCC support) | | | Ver | sion | | | N° 03 / Sept 2015 | |
| The number of hectares served by existing or new irrigation infrastructure that are either rehabilitated or constructed with MCC funding. (This is the number of hectares affected by the infrastructure improvements once they are complete.) Frequency of Reporting | Common Indicator Number | (AI-8) | | | nber | | | | | | nbers | IWRM.15. / IWRM.16. | |
| No No No No No No No No | | | | | | | | | | | | | |
| Reporting Period Covered Compact Duration | Detailed Definition | | | | | | | | itated or con | structed with | MCC fund | ding. (This is the | |
| By gender (YES/NO) NO NO | | | ctares affected | by the intra | astructure improve | | | | | 1 D 1' | | | |
| By age (YES/NO) By income | | | FC/NO) | | | | 1 0 | ered | Compa | act Duration | | | |
| Sy income (YES/NO) NO Py income (YES/NO) YES (Delta / Ngalenka) YES (Ngalenka) YES (Delta / Ngalenka) YES (| Disaggregations | | | | | | | | | | | | |
| By locality (YES/NO) YES (Delta / Ngalenka) | | , , , | • | | | | | | | | | | |
| It is an indicator proposed on the list of common indicators. See "Guidance on Common Indicator, May 2012" MCC. How does the indicator link to the ERR? | | By income (Y | ES/NO) | | | | NO | | | | | | |
| Substitication for Including Indicator It is an indicator proposed on the list of common indicators. See "Guidance on Common Indicator, May 2012" MCC. | | By locality (Y | ES/NO) | | | | YES (Delta / Ngalenka) | | | | | | |
| How does the indicator link to the BR? Not Applicable How does the indicator link to the BA? Not Applicable How does the indicator link to the impact evaluation? Justification for Disaggregations INDICATOR ACCUISITION PLAN Entity Responsible for Collecting Data at MCA Point of Contact Responsible for Collecting the Data at MCA: Entity Responsible for the collection of primary Data SAED Detailed description of data collection methodology (including any calculations computed by source) If survey data, verbatim question(s) posed to respondent Detailed description of how data is transmitted from source to MCA Detailed description of bata acquisition ANNUAL Not Applicable The indicator includes all the hectares in the service area of an improved irrigation system regardless of whether or not they are under production. The data is transmitted by the Irrigation Directorate Means of verification sources Means of verification Monthly and Final Reports SAED Report Data base Location of Data Storage SAED | | | | | | | | | | | | | |
| How does the indicator link to the BA? How does the indicator link to the impact evaluation? Not Applicable Not Applicable Not Applicable | | | | | | n the | list of common indicator | s. See "G | uidance on (| Common Indi | icator, May | <i>t</i> 2012" MCC. | |
| How does the indicator link to the impact evaluation? Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by locality (Delta / Ngalenka) Implicator will be disaggregated by | | | | | | | | | | | | | |
| Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Ngalenka) INDICATOR ACQUISITION PLAN Entity Responsible for Collecting Data at MCA Irrigation Project Directorate Point of Contact Responsible for Collecting the Data at MCA: Cheikh T. SENE Phone 221.77.333.15.80 E-mail clsene@mcasenegal.org Entity Responsible for the collection of primary Data SAED The indicator includes all the hectares in the service area of an improved irrigation system regardless of whether or not they are under production. If survey data, verbatim question(s) posed to respondent Not Applicable The data is transmitted by the Irrigation Directorate Frequency and timing of data acquisition ANNUAL Names of verification sources Means of verification PMU Irrigation Report Table of indicators Final completion report of the Consultant in charge of supervision Monthly and Final Reports SAED Location of Data Storage SAED | | | | | | | | | | | | | |
| Entity Responsible for Collecting Data at MCA | | | | | | | ad bu da a alitu / Dalta / Na | (میاری) | | | | | |
| Entity Responsible for Collecting Data at MCA: Point of Contact Responsible for Collecting the Data at MCA: Cheikh T. SENE Phone 221.77.333.15.80 E-mail ctsene@mcasenegal.org Entity Responsible for the collection of primary Data SAED Detailed description of data collection methodology (including any calculations computed by source) If survey data, verbatim question(s) posed to respondent Detailed description of how data is transmitted from source to MCA The data is transmitted by the Irrigation Directorate Frequency and timing of data acquisition Not Applicable The data is transmitted by the Irrigation Directorate Frequency and timing of data acquisition ANNUAL Names of verification sources PMU Irrigation Report Final completion report of the Consultant in charge of supervision SAED Report Data base Location of Data Storage SAED | | | | The indical | tor will be disaggre | egate | ed by locality (Delta / Ng | aienka) | | | | | |
| Point of Contact Responsible for Collecting the Data at MCA: Cheikh T. SENE Phone 221.77.333.15.80 E-mail ctsene@mcasenegal.org SAED Detailed description of data collection methodology (including any calculations computed by source) If survey data, verbatim question(s) posed to respondent Detailed description of how data is transmitted from source to MCA The indicator includes all the hectares in the service area of an improved irrigation system regardless of whether or not they are under production. If survey data, verbatim question(s) posed to respondent Detailed description of how data is transmitted from source to MCA The data is transmitted by the Irrigation Directorate Frequency and timing of data acquisition ANNUAL Means of verification PMU Irrigation Report Final completion report of the Consultant in charge of supervision SAED Cheikh T. SENE Phone 221.77.333.15.80 E-mail ctsene@mcasenegal.org Cheikh T. SENE SAED Mehectares in the service area of an improved irrigation system regardless of whether or not they are under production. Mot Applicable The data is transmitted by the Irrigation Directorate Means of verification Table of indicators Final completion report of the Consultant in charge of supervision Monthly and Final Reports SAED Location of Data Storage SAED | | | \ | | l | . D' | 1 1 | | | | | | |
| Entity Responsible for the collection of primary Data Detailed description of data collection methodology (including any calculations computed by source) If survey data, verbatim question(s) posed to respondent Detailed description of how data is transmitted from source to MCA Frequency and timing of data acquisition Not Applicable ANNUAL Names of verification sources PMU Irrigation Report Final completion report of the Consultant in charge of supervision SAED SAED SAED SAED The indicator includes all the hectares in the service area of an improved irrigation system regardless of whether or not they are under production. The data is transmitted by the Irrigation Directorate ANNUAL Means of verification Table of indicators Final completion report of the Consultant in charge of supervision SAED Report Data base Location of Data Storage SAED | , , | | | | | | | | | | | | |
| Detailed description of data collection methodology (including any calculations computed by source) The indicator includes all the hectares in the service area of an improved irrigation system regardless of whether or not they are under production. If survey data, verbatim question(s) posed to respondent Not Applicable Detailed description of how data is transmitted from source to MCA The data is transmitted by the Irrigation Directorate Frequency and timing of data acquisition ANNUAL Names of verification sources Means of verification PMU Irrigation Report Table of indicators Final completion report of the Consultant in charge of supervision Monthly and Final Reports SAED Report Data base Location of Data Storage SAED | Point of Contact Responsible for | or Collecting th | ne Data at MC | \ : | Cheikh T. SENE | <u> </u> | Phone | 221.77.33 | 3.15.80 | E-mail | <u>ctsene@</u> | emcasenegal.org_ | |
| calculations computed by source) or not they are under production. If survey data, verbatim question(s) posed to respondent Detailed description of how data is transmitted from source to MCA Frequency and timing of data acquisition Names of verification sources PMU Irrigation Report Final completion report of the Consultant in charge of supervision SAED Report Location of Data Storage or not they are under production. Not Applicable The data is transmitted by the Irrigation Directorate Means of verification Means of verification Table of indicators Monthly and Final Reports Data base | Entity Responsible for the colle | ction of prima | ry Data | | SAED | | | | | | | | |
| If survey data, verbatim question(s) posed to respondent Not Applicable Detailed description of how data is transmitted from source to MCA The data is transmitted by the Irrigation Directorate Frequency and timing of data acquisition ANNUAL Names of verification sources Means of verification PMU Irrigation Report Table of indicators Final completion report of the Consultant in charge of supervision Monthly and Final Reports SAED Report Data base Location of Data Storage SAED | | lection method | dology (includi | ng any | | | | | | | | | |
| Detailed description of how data is transmitted from source to MCA The data is transmitted by the Irrigation Directorate Frequency and timing of data acquisition ANNUAL Names of verification sources Means of verification PMU Irrigation Report Table of indicators Final completion report of the Consultant in charge of supervision Monthly and Final Reports SAED Report Data base Location of Data Storage SAED | | | | | | | | | | | | | |
| Frequency and timing of data acquisition Names of verification sources PMU Irrigation Report Final completion report of the Consultant in charge of supervision SAED Report Location of Data Storage ANNUAL Means of verification Table of indicators Monthly and Final Reports Data base | • | | • | | Not Applicable | | | | | | | | |
| Names of verification sources PMU Irrigation Report Final completion report of the Consultant in charge of supervision SAED Report Location of Data Storage Means of verification Table of indicators Monthly and Final Reports Data base | • | | d from source | to MCA | The data is transmitted by the Irrigation Directorate | | | | | | | | |
| PMU Irrigation Report Final completion report of the Consultant in charge of supervision SAED Report Location of Data Storage Table of indicators Monthly and Final Reports Data base | 1 3 | cquisition | | | ANNUAL | | | | | | | | |
| Final completion report of the Consultant in charge of supervision SAED Report Location of Data Storage SAED SAED SAED | Names of verification sources | | | | | | | Means | of verification | on | | | |
| SAED Report Data base Location of Data Storage SAED | PMU Irrigation Report | | | | | | | Table of | indicators | | | | |
| Location of Data Storage SAED | Final completion report of the Con | sultant in charq | ge of supervisio | n | | Monthly and Final Reports | | | | | | | |
| | SAED Report | | | | | | | Data bas | se | | | | |
| | Location of Data Storage | | | SAF | ED | | | I | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | | | | |

| Date of Data Quality Review | | | | | Novembre 2014 | | | | |
|---|---|----------------------|------------|--------------------------|---------------------|-----------|-----------------------|------------------------|--|
| Main findings of data quality review | | | | Average Score (out of 4) | Recommendation | ons | | | |
| 1. VALIDITY – Does the data clearly represent | t the desire | ed results? | | 3,4 | | | | | |
| 2. RELIABILITY – Are the data collection proceed over time? | nsistent | 4,0 | | IWRM.14 | | | | | |
| 3. TIMELINESS- Are the data current and freq | ected? | | 4,0 | | | 4. | Validite | | |
| 4. PRECISION – Does the data have an accep | ? | 3,8 | | | Praticabilite 2 | Fiabilite | | | |
| 5. INTEGRITY- Is the data free from manipula | | | | 4,0 | | | | 0 | |
| 6. APPROPRIATENESS – To what extent do results? | | <i>,</i> , | tray the | 2,4 | | | Adequation | Opportunite | |
| 7. PRACTICABILITY- Is the data current and f | requently | collected? | | 4,0 | | | | | |
| Overall assessment | | 3,7 | | | Precision | | | | |
| Action taken in response to data quality rev | view | | | | edure clarified and | harmoniz | ed with SAED | | |
| Known data limitations and significance | | | | Not Applicable | | | | | |
| Actions taken to address data limitations | | | | Not Applicable | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | |
| Old Baseline | | 0 | | eline Year | 2011 - 2012 | | ource of old Baseline | IWRM Project Work Plan | |
| New Baseline | | 0 | New Bas | seline Year | 2011 - 2012 | | ource of New Baseline | IWRM Project Work Plan | |
| Justification for Baseline Change (if any) | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | l | | | | |
| V545.4 | | rget | | | | | | | |
| YEAR 1 | Old | New | | ntion for changes | | | | | |
| Oct 2010 - Sept. 2011 | N/A | N/A | targets (| or calculations (if | any) | | | | |
| Explanation of assumptions and inputs | | | | | | | | | |
| to target calculations YEAR 2 | Old | New | luctifica | ation for changes | to | | | | |
| Oct 2011 - Sept. 2012 | ntion for changes to or calculations (if | | | | | | | | |
| Explanation of assumptions and inputs | largers (| JI CAICUIALIUIIS (II | arry) | | | | | | |
| to target calculations | | | | | | | | | |
| YEAR 3 | Old | New | lustifica | ntion for changes | to | | | | |
| Oct 2012 - Sept. 2013 | 0 | 0 | | or calculations (if | | | | | |
| 300 2012 30pt. 2010 | | | 1 12. 9013 | z. saisalations (II | ~·· <i>J/</i> | | | | |

| Explanation of assumptions and inputs | | | | _ | | | | | |
|--|--------------|---|---------------------------------|---|--|--|--|--|--|
| to target calculations | | | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | | | |
| Oct 2013 - Sept. 2014 | 35 480 | 35 480 | argets or calculations (if any) | | | | | | |
| Explanation of assumptions and inputs | This include | This includes : Delta 35040 ha et Ngalenka 440 ha | | | | | | | |
| to target calculations | | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | | | |
| Oct 2014 - Sept. 2015 | 35 480 | 35 480 | argets or calculations (if any) | | | | | | |
| Explanation of assumptions and inputs | | | | | | | | | |
| to target calculations | | | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | | | |
| | 42 721 | 42 721 | argets or calculations (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| COMMENTS | | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | R DETAILE | CALCUL | TIONS (if required) | | | | | | |
| | | | | | | | | | |

2.15. Indicator IWRM. 15. Stakeholders trained

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|--|---|----------------|--|--|--|------------------------|-------------------------|-------------|------------------------------------|--|--|
| Indicator Name | Stakeholde | rs trained | | | | Version | | | N° 03 / Sept 2015 | | |
| Common Indicator Number | (L-3) | Current Indi | cator Number | IWRM.1 | 5 | All Previ | ous Indicator Numb | ers | IWRM.16. / IWRM.17. | | |
| Level | Output | Classification | | Cumulat | | | Unit of Measure Number | | | | |
| Detailed Definition | | | | | ct beneficiaries and representatives of the private sector, receiving formal on-the-job land | | | | | | |
| | | | stance regarding registra | ation, surve | eying, conflic | t resolution, land all | ocation, land use pla | nning, lan | nd legislation, land management | | |
| For any of Day anting | or new tech | | | | D | Dania d Oassand | 0 | -1 D1!- | | | |
| Frequency of Reporting | QUARTER | | | | YES (Male | Period Covered | Compa | ct Duratio | n | | |
| Disaggregations | By gender | <u> </u> | | | , | • | | | | | |
| | By age (YE | | | | YES (<35 | (>35) | | | | | |
| | By income | | | | NO | | | | | | |
| | By locality | (YES/NO) | | | YES (Delta | ı / Podor) | | | | | |
| INDICATOR JUSTIFICATION DET | TAILS | | | | | | | | | | |
| Justification for Including Indica | tor | | | | | | | | sessions are scheduled for | | |
| | | _ | | epresentat | tives and org | janizations with a vi | ew to strengthening t | heir skills | in land tenure security tools. | | |
| How does the indicator link to the | | Not Applica | | | | | | | | | |
| How does the indicator link to the | e BA? | | | the manag | gement of la | nd resources and c | ontribute to the land t | tenure sec | curity of beneficiary populations. | | |
| How does the indicator link to the evaluation? | e impact | Not Applica | | | | | | | | | |
| Justification for Disaggregations | 3 | Beneficiari | es of training activities w | f training activities will be characterized by gender, age and locality of origin. | | | | | | | |
| INDICATOR ACQUISITION PLAN | 1 | | | | | | | | | | |
| Entity Responsible for Collecting | g Data at MC | Α | Land and Institutional Reforms Directorate | | | | | | | | |
| Point of Contact Responsible for MCA: | Collecting t | he Data at | Alain DIOUF | Phone | | 221.77.333.15.72 | E-mail | adiouf@ | mcasenegal.org_ | | |
| Entity Responsible for the collec | tion of prima | ary Data | Consultant responsible for implementing Land Tenure Security and PMU-SAED | | | | | | | | |
| Detailed description of data colle | | | Use of reports and training sheets of the Consultant responsible for implementing Land Tenure Security with indications on the | | | | | | | | |
| (including any calculations compute | names, address, date and place of birth of persons. A person participating in several sessions shall be counted only once | | | | | | | | | | |
| If survey data, verbatim question | | Not Applicable | | | | | | | | | |
| respondent | The date is to accomplished by the Lond and Incilled and Defence D' | | | | | | | | | | |
| Detailed description of how data source to MCA | is transmitt | ea irom | The data is transmitted by the Land and Institutional Reforms Directorate | | | | | | | | |
| Frequency and timing of data acc | quisition | | QUARTERLY | | | | | - | | | |

| Names of verification sources Means of verification | | | | | | | | | | |
|--|--|---------|--------------------------|-----------------------|--------------------|-------------------------|----------------------|--|--|--|
| Report F&RI Directorate | | | | | | Report F&RI Directora | ate | | | |
| Training reports of the consultant in ch | narge of im | plement | ing land tenure s | ecurity | | Reports of the training | g activity | | | |
| Location of Data Storage | | | Land and | Institutional Reforms | Directorate | l | | | | |
| INDICATOR DATA QUALITY | | | 1 | | | | | | | |
| Date of Data Quality Review | | | | November 2014 | | | | | | |
| Main findings of data quality review | | | Average Score (out of 4) | Recommendations | mendations IWRM.15 | | | | | |
| VALIDITY – Does the data clearly red desired results? | epresent th | he | 3,7 | N/A | | | Validite | | | |
| 2. RELIABILITY – Are the data collect stable and consistent over time? | | | 4,0 | N/A | | | 4.0 3.0 Fiabilite | | | |
| 3. TIMELINESS- Are the data current collected? | · | , | 3,5 | N/A | | | 2.0 | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | | | 3,8 | N/A | | 1.0 | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | | | 4,0 | N/A | | Adequation Opportunite | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | | | 4,0 | N/A | | | | | | |
| 7. PRACTICABILITY- Is the data curre collected? | 7. PRACTICABILITY- Is the data current and frequently collected? | | | N/A | | Integrite Precision | | | | |
| Overall assessment | | | 3,8 | | | | | | | |
| Action taken in response to data qu | | ew | Not Applicable | Not Applicable | | | | | | |
| Known data limitations and signific | | | Not Applicable | | | | | | | |
| Actions taken to address data limita | | | Not Applicable | | | | | | | |
| INDICATOR BASELINE INFORMATI | | | | | | | | | | |
| Old Baseline | 0 | Old Ba | seline Year | 2010-2011 | Source of old | Baseline | DFRI Work Plan | | | |
| New Baseline | 0 | New Ba | aseline Year | 2010-2011 | Source of Nev | w Baseline | DFRI Work Plan | | | |
| Justification for Baseline Change (i | 3. | | | | | | | | | |
| INDICATOR TARGET CALCULATION | | | | | | | | | | |
| | Target Target | | | | | | | | | |
| YEAR 1 | Old | New | | for changes to | | | | | | |
| Oct 2010 - Sept. 2011 | 0 | 0 | targets or ca | alculations (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 2 | Old | New | | | | | | | | |

| Oct 2011 - Sept. 2012 | 0 | 0 | Justification for changes to targets or calculations (if any) | |
|--|----------|----------|---|--|
| Explanation of assumptions and inputs to target calculations | | • | | |
| YEAR 3 | Old | New | Justification for changes to | |
| Oct 2012 - Sept. 2013 | 200 | 200 | targets or calculations (if any) | |
| Explanation of assumptions and | | | | |
| inputs to target calculations | | _ | | |
| YEAR 4 | Old | New | Justification for changes to | |
| Oct 2013 - Sept. 2014 | 400 | 400 | targets or calculations (if any) | |
| Explanation of assumptions and | | | | |
| inputs to target calculations | | • | | |
| YEAR 5 | Old | New | Justification for changes to | |
| Oct 2014 - Sept. 2015 | 600 | 600 | targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| Long Term Target | Old | New | Justification for changes to | |
| , , , , , , , , , , , , , , , , , , , | N/A | | targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | <u> </u> | | |
| COMMENTS | | | | |
| SUPPLEMENTARY DOCUMENTATIO | N FOR DE | TAILED C | CALCULATIONS (if required) | |
| | | | | |
| - | | | | |

2.16. Indicator IWRM.16. Number of hectares of mapped land

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|---|---|---------------|---|---|--------------------------------|------------------|---|--|--|--|
| Indicator Name | Number of hectares | of mapped | land | | Version | | N° 03 / Sept 2015 | | | |
| Common Indicator Number | Not Applicable | Current In | dicator Number | IWRM.16 | All Previous Indicator Numbers | | IWRM.17. / IWRM.18. | | | |
| Level | Output | Classifica | tion | Cumulative | Unit of Measure | | Hectares | | | |
| Detailed Definition | | | hanks to the field inventory | and/or the use of aerial of | or satellite photography ma | king it possible | to clarify the property | | | |
| | boundaries, the delir | nitation, the | types of use | | | | | | | |
| Frequency of Reporting | QUARTERLY | | | Reporting Period Cov | vered Compact | Duration | | | | |
| Disaggregations | By gender (YES/NO | | | NO | | | | | | |
| | By age (YES/NO) | | | NO | | | | | | |
| | By income (YES/NO | | | NO | | | | | | |
| INDICATOR WOTER ATION RET | By locality (YES/NO | | | YES (Delta / Podor) | | | | | | |
| INDICATOR JUSTIFICATION DET | | 7. | ' (' ' | CH I I I I | 1 1 11 1 1 6 | 1 (1 11 1 | 1 | | | |
| Justification for Including Indicat | tor | | | | | | tenure security" activity with | | | |
| | | | nd Information System. | contributing to dispute prevention and land management in the local communities. The mapped plots will be inserted in | | | | | | |
| How does the indicator link to the | • EDD2 | | , | | | | | | | |
| How does the indicator link to the How does the indicator link to the | | | plicable | | | | | | | |
| How does the indicator link to the | | | plicable plicable | | | | | | | |
| Justification for Disaggregations | | | plicable dicator will be disaggregated | hy locality as a moans | of roporting the results obt | tained by proje | ct zono or locality (Dolta / | | | |
| Justification for Disaggregations | | Podor) | ilicator will be disaggregated | by locality as a filearis | or reporting the results out | iairieu by proje | ct zone or locality (Delta / | | | |
| INDICATOR ACQUISITION PLAN | | l i odoi) | | | | | | | | |
| THE TOTAL TO QUICITION 1 27 III | | | | | | | | | | |
| Entity Responsible for Collecting | | | Land and Institutional Reforms Directorate | | | | | | | |
| Point of Contact Responsible for | | at MCA: | | one | 221.77.333.15.72 | E-mail | adiouf@mcasenegal.org_ | | | |
| Entity Responsible for the collec | | | PMU-SAED | · | | | | | | |
| Detailed description of data colle | 0 5 · | ncluding | Use of maps of the development zones (reports of PMU Irrigation, PMU-SAED, Consultants) | | | | | | | |
| any calculations computed by source | | | Invoice prepared by GIS and land Specialists of PMU Irrigation | | | | | | | |
| If survey data, verbatim question | • | | Not Applicable | | | | | | | |
| Detailed description of how data | is transmitted from s | ource to | The data is transmitted by | the Land and Institutior | nal Reforms Directorate bas | sed on fact she | eets and quarterly reports | | | |
| MCA | ,. | | ANINILIAI | | | | | | | |
| Frequency and timing of data acc | quisition | | ANNUAL | Moone of verificat | ion | | | | | |
| | | | | Means of verificat | | | | | | |
| Report F&RI Directorate | -flandian " | | | Report F&RI Directorate | | | | | | |
| Reports of the consultant in charge | of land tenure securit | 1 | Report / deliverables of the Consultant, Final Land Surveys Report | | | | | | | |
| Location of Data Storage | | | Land and Institutional Ref | nd and Institutional Reforms Directorate | | | | | | |

| INDICATOR DATA QUALITY | | | | | | |
|--|------------|-----------|--------------------------|----------------------|------------------------|-----------------|
| Date of Data Quality Review | | | | November 2014 | | |
| Main findings of data quality review | | | Average Score (out of 4) | Recommendations | | |
| | | | | | | IWRM.16 |
| VALIDITY – Does the data clearly represer | ed | 4,0 | N/A | | | |
| results? | ٦,٥ | | | Validite 4.0 | | |
| 2. RELIABILITY – Are the data collection production | ıble | 3,5 | N/A | | | |
| and consistent over time? | | 0,0 | | Praticabilite < | 3.0 Fiabilite | |
| 3. TIMELINESS- Are the data current and fre | quently | | 4,0 | N/A | | 2.0 |
| collected? | | 1 6 | .,,, | 21/0 | _ | 1.0 |
| 4. PRECISION – Does the data have an acceerror? | • | gin of | 4,0 | N/A | | 1.0 |
| 5. INTEGRITY- Is the data free from manipula | | | 4,0 | N/A | Adequation | Opportunite |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | | | 4,0 | N/A | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | | | 4,0 | N/A | Inte | grite Precision |
| Overall assessment | | | 3,9 | | | |
| Action taken in response to data quality re | eview | | Not Applicable | | • | |
| Known data limitations and significance | | | Not Applicable | | | |
| Actions taken to address data limitations | | | Not Applicable | | | |
| INDICATOR BASELINE INFORMATION | | | | | | |
| Old Baseline 0 | | iseline Y | | 2010-2011 | Source of old Baseline | DFRI Work Plan |
| New Baseline 0 | New B | aseline ` | Year | 2010-2011 | Source of New Baseline | DFRI Work Plan |
| Justification for Baseline Change (if any) | | | | | | |
| INDICATOR TARGET CALCULATION | | | | | | |
| | | rget | | | | |
| YEAR 1 | Old | New | | n for changes to | | |
| Oct 2010 - Sept. 2011 | 41 862 | 41 86 | | alculations (if any) | | |
| Explanation of assumptions and inputs | | | | | in the Delta mapped | |
| to target calculations | | T | T | | T | |
| YEAR 2 | Old | New | | n for changes to | | |
| Oct 2011 - Sept. 2012 | 41 862 | 41 86 | | alculations (if any) | | |
| Explanation of assumptions and inputs | This corre | esponds t | to : 10.012 ha in | Podor and 31.850 ha | in the Delta mapped | |
| to target calculations | 01.1 | T | | | T | |
| YEAR 3 | Old | New | | | | |

| Oct 2012 - Sept. 2013 | 41 862 | 41 862 | Justification for changes to | | | | | |
|---------------------------------------|---|------------|--|--|--|--|--|--|
| Oct 2012 Ocpt. 2013 | | | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | This corre | sponds to: | : 10.012 ha in Podor and 31.850 ha in the Delta mapped | | | | | |
| to target calculations | | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | | |
| Oct 2013 - Sept. 2014 | 41 862 | 41 862 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | This corre | sponds to: | : 10.012 ha in Podor and 31.850 ha in the Delta mapped | | | | | |
| to target calculations | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | | |
| Oct 2014 - Sept. 2015 | 41 862 | 41 862 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | This corre | sponds to: | : 10.012 ha in Podor and 31.850 ha in the Delta mapped | | | | | |
| to target calculations | | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | | |
| | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| COMMENTS | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | |
| | | | | | | | | |

2.17. Indicator IWRM.17. Conflicts successfully mediated

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|---|--|------------|---|--|-----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|--|
| Indicator Name | Conflicts successfully | mediated | | | | Version | N° 03 / Sep | t 2015 | | |
| Common Indicator Number | (L-4) | Current Ir | ndicator Number | IWF | RM.17 | All Previous Indicator Numbers | Numbers | | | |
| Level | | Classifica | | | nulative | Unit of Measure | Number | | | |
| Detailed Definition | The number of disput mediators or courts w | | | ises that ha | ve been resolved by local a | authorities, contractors, | | | | |
| Frequency of Reporting | QUARTERLY | • | | Rep | oorting Period Covered | Compact Duration | | | | |
| Disaggregations | By gender (YES/NO) | | | NO | | 1 | | | | |
| | By age (YES/NO) | | | NO | | | | | | |
| | By income (YES/NO) | | | NO | | | | | | |
| | By locality (YES/NO) | | | YES | S (Delta / Podor) | | | | | |
| INDICATOR JUSTIFICATION DET | TAILS | | | <u> </u> | | | | | | |
| Justification for Including Indica | | ass | | | | | | | | |
| How does the indicator link to th | | | t Applicable | | | | | | | |
| How does the indicator link to th | e BA? | | • | help secure | investments in the areas | | | | | |
| How does the indicator link to th | e impact evaluation? | No | Applicable | | | | | | | |
| Justification for Disaggregations | | The | indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | T | | | | | | | |
| Entity Responsible for Collecting | 5 | | Land and Instituti | ional Reforn | ns Directorate | | | | | |
| Point of Contact Responsible for | r Collecting the Data a | t MCA: | Alain DIOUF | Phone | | 221.77.333.15.72 | | E- mail: adiouf@mcasenegal.org | | |
| Entity Responsible for the collect | tion of primary Data | | Consultant responsible for the Land Tenure Security component LTS02 | | | | | | | |
| Detailed description of data colle any calculations computed by sour | | ncluding | Count the number of disputes resolved by the mediation commissions and the Ombudsman in the Irrigation Project zone | | | | | | | |
| If survey data, verbatim question | | ent | Not Applicable | | | | | | | |
| Detailed description of how data MCA | is transmitted from so | ource to | | The data is transmitted by the Land and Institutional Reforms Directorate on the basis of dispute follow-up sheets and registers of disputes established in Local Communities. | | | | | | |
| Frequency and timing of data ac | quisition | | QUARTERLY | | | | | | | |
| Names of verification sources | | | • | | | | | Means of verification | | |
| Report F&RI Directorate | | | | | | | Tables of indicators and register | | | |

| Report Consultant in charge of impl | ementing land tenure secur | ity | | | | Tables of indicators and register | | | | |
|--------------------------------------|--------------------------------|--------------------------|-----------|-----------------|---------------------|-----------------------------------|----------------------|--|--|--|
| PMU Irrigation Reports | PMU Irrigation Reports | | | | | | | | | |
| Location of Data Storage | | | Land an | d Institutiona | I Reforms Directora | ate | | - | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |
| Date of Data Quality Review | | | | | | N/A | | | | |
| Main findings of data quality review | | Average Score (out of 4) | ; | Recommendations | IWRM.17 | , | | | | |
| 1. VALIDITY – Does the data clearly | | | | 2,4 | | | | | | |
| 2. RELIABILITY – Are the data colle | | | tent ove | er time? | 3,6 | | | Validite 4.0 | | |
| 3. TIMELINESS- Are the data curre | | | | | 3,2 | | | 20 | | |
| 4. PRECISION – Does the data have | | error? | | | 3,0 | | | Praticabilite 2.0 | Fiabilite | |
| 5. INTEGRITY- Is the data free from | | | | | 2,0 | | | 1.0 | | |
| 6. APPROPRIATENESS – To what | extent do the indicators full | ly portray | y the res | sults? | 3,9 | | | | On a part unit | |
| 7. PRACTICABILITY- Is the data cu | irrent and frequently collecte | ed? | | | 4,0 | | | Adequation | Opportunit | |
| Overall assessment | | | | | 3,1 | | | Integrite | ecision | |
| Action taken in response to data | | | | | Not Applicable | | | | | |
| Known data limitations and signif | | | | | Not Applicable | | | | | |
| Actions taken to address data lim | | | | | Not Applicable | | | | | |
| INDICATOR BASELINE INFORMA | TION | 1 | | | | | | | | |
| Old Baseline | 0 | Old B | Baseline | Year | 2011-2012 | Sou | urce of old Baseline | Lan | RI Work plan and Registers of d Disputes | |
| New Baseline | 0 | New I | Baselin | e Year | 2011-2012 | Sou | urce of New Baseline | | RI Work plan and Registers of d Disputes | |
| Justification for Baseline Change | (if any) | | | | | | | <u>, </u> | | |
| INDICATOR TARGET CALCULAT | IONS | 1 | | | | | | | | |
| | | Target | t | | | | | | | |
| YEAR 1 | Old | | New | | on for changes to | | | | | |
| | | | | | calculations (if an | y) | | | | |

| | Tai | rget | |
|--|---------|-----------|----------------------------------|
| Explanation of assumptions and inputs to target | | | |
| calculations | | | <u></u> |
| YEAR 2 | Old | New | _ Justification for changes to |
| Oct 2011 - Sept. 2012 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target | | | |
| calculations | | | |
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target | | | |
| calculations | | _ | |
| YEAR 4 | Old | New | _ Justification for changes to |
| Oct 2013 - Sept. 2014 | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs to target | | | |
| calculations | | | |
| YEAR 5 | Old | New | _ Justification for changes to |
| Oct 2014 - Sept. 2015 | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs to target | | | |
| calculations | | | |
| Long Term Target | Old | New | _ Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs to target | | | |
| calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FOR DETAIL | LED CAL | CULATIONS | IS (if required) |
| The state of the s | | | (·· · |
| | | | |

2.18. Indicator IWRM.18. Parcels corrected or incorporated in land system

| Indicator Name | | | | | | | |
|--|--|--|--|--|--|--|--|
| Level Output Classification Cumulative Unit of Measure Parcels | 15 | | | | | | |
| The number of parcels with relevant parcel information corrected or newly incorporated into an official land information system (whether a system the property registry, cadaster or an integrated system) Frequency of Reporting | | | | | | | |
| the property registry, cadaster or an integrated system) Frequency of Reporting OUARTERLY By gender (YES/NO) By age (YES/NO) By income (YES/NO) By locality (YES/NO) By locality (YES/NO) By locality (YES/NO) IVIDICATOR JUSTIFICATION DETAILS Justification for Including Indicator It is an indicator proposed on the list of common indicators. See "Guidance on Common Indicator, May 2012" MCC. The indicator will disclose the number of plots integrated into the land information system (SIF). How does the indicator link to the BR? Not Applicable How does the indicator link to the impact evaluation? Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| Disaggregations By gender (YES/NO) NO | ก for | | | | | | |
| Disaggregations By gender (YES/NO) By age (YES/NO) By income (YES/NO) By locality (Delta / Podor) | | | | | | | |
| By age (YES/NO) By income (YES/NO) By locality (YES | | | | | | | |
| By income (YES/NO) By locality (YES/NO) INDICATOR JUSTIFICATION DETAILS Justification for Including Indicator It is an indicator proposed on the list of common indicators. See "Guidance on Common Indicator, May 2012" MCC. The indicator will disclose the number of plots integrated into the land information system (SIF). How does the indicator link to the ERR? How does the indicator link to the BA? Not Applicable How does the indicator link to the impact evaluation? Not Applicable Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| Indicator Justification for Including Indicator It is an indicator proposed on the list of common indicators. See "Guidance on Common Indicator, May 2012" MCC. The indicator will disclose the number of plots integrated into the land information system (SIF). How does the indicator link to the ERR? How does the indicator link to the BA? Not Applicable How does the indicator link to the impact evaluation? Not Applicable Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| INDICATOR JUSTIFICATION DETAILS Justification for Including Indicator It is an indicator proposed on the list of common indicators. See "Guidance on Common Indicator, May 2012" MCC. The indicator will disclose the number of plots integrated into the land information system (SIF). How does the indicator link to the BA? How does the indicator link to the impact evaluation? Not Applicable Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| Justification for Including IndicatorIt is an indicator proposed on the list of common indicators. See "Guidance on Common Indicator, May 2012" MCC. The indicator will disclose the number of plots integrated into the land information system (SIF).How does the indicator link to the BA?Not ApplicableHow does the indicator link to the impact evaluation?Not ApplicableJustification for DisaggregationsThe indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| indicator will disclose the number of plots integrated into the land information system (SIF). How does the indicator link to the BA? Not Applicable How does the indicator link to the impact evaluation? Not Applicable Justification for Disaggregations The indicator will disclose the number of plots integrated into the land information system (SIF). Not Applicable Vot Applicable The indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| How does the indicator link to the ERR? Not Applicable How does the indicator link to the BA? Not Applicable How does the indicator link to the impact evaluation? Not Applicable Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Podor) | ÷ | | | | | | |
| How does the indicator link to the BA? Not Applicable How does the indicator link to the impact evaluation? Not Applicable Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| How does the indicator link to the impact evaluation? Not Applicable Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| Justification for Disaggregations The indicator will be disaggregated by locality (Delta / Podor) | | | | | | | |
| | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | |
| | | | | | | | |
| Entity Responsible for Collecting Data at MCA Land and Institutional Reforms Directorate | Land and Institutional Reforms Directorate | | | | | | |
| Point of Contact Responsible for Collecting the Data at MCA: Alain DIOUF Phone 221.77.333.15.72 E-mail adiouf@mcasenegal.org | | | | | | | |
| Entity Responsible for the collection of primary Data Consultant responsible for the Land Tenure Security component LTS02 | Consultant responsible for the Land Tenure Security component LTS02 | | | | | | |
| | Count the number of plots integrated into the land information system or GIS by the project supporters reviewing the | | | | | | |
| any calculations computed by source) plot boundaries, rectified property rights, plots with newly formalized rights. | | | | | | | |
| | Not Applicable | | | | | | |
| Detailed description of how data is transmitted from source | The data provided by the Consultant in charge of land tenure security is transmitted by the Land and Institutional | | | | | | |
| to MCA Reforms Directorate | | | | | | | |
| Frequency and timing of data acquisition QUARTERLY | | | | | | | |
| Names of verification sources Means of verification | | | | | | | |
| Report F&RI Directorate Tables of indicators and register | | | | | | | |
| Report Consultant in charge of implementing land tenure security Tables of indicators and register | | | | | | | |
| PMU Irrigation Reports Tables of indicators and register | | | | | | | |
| Location of Data Storage Land and Institutional Reforms Directorate | | | | | | | |

| INDICATOR DATA QUALITY | | | | | | | | | | | |
|--|-------------|-----------------|-------------|------------------|-----------------------|--------------|----------|-----------|----------------------------|------------------------------|--|
| Date of Data Quality Review | | | | | | | N/A | | | | |
| Main findings of data quality review | | | | | Average Scotout of 4) | ore | Recommen | dations | l IN | WRM.18 | |
| 1. VALIDITY – Does the data clearly represen | t the desi | red results? | | | 3,6 | | N/ | A |] - ` | | |
| 2. RELIABILITY – Are the data collection production | sistent ove | 3,6 | | N/ | A | | | | | | |
| 3. TIMELINESS- Are the data current and free | | 3,5 | | N/. | A | | | | | | |
| 4. PRECISION – Does the data have an acce |) | 4,0 | | N/. | A | | Validite | | | | |
| 5. INTEGRITY- Is the data free from manipula | | 4,0 | | N/. | A | Praticabilit | 1.0 | | | | |
| 6. APPROPRIATENESS – To what extent do | the indica | itors fully por | tray the re | sults? | 4,0 | | N/. | A | | Fiabilite | |
| 7. PRACTICABILITY- Is the data current and | frequently | collected? | | | 4,0 | | N/. | A | e 2.0 | | |
| Overall assessment | | | | | | | | | Adequatio n Integrit | Opportuni te Precision | |
| Action taken in response to data quality re | view | | | | Not Applicat | | | | | | |
| Known data limitations and significance | | | | | Not Applicat | | | | | | |
| Actions taken to address data limitations | | | | | Not Applicat | ole | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | | | |
| Old Baseline | | 0 | | Old Baseline | Year | 20 | 11-2012 | Source of | of old Baseline | DFRI Work Plan | |
| New Baseline | | 0 | | New Baseline | e Year | 20 | 11-2012 | Source of | of New Baseline | DFRI Work Plan | |
| Justification for Baseline Change (if any) | | | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | | | |
| | Ta | arget | | | | | | | | | |
| YEAR 1 | Old | New | Justifica | ation for change | es to | | | | | | |
| Oct 2010 - Sept. 2011 | N/A | N/A | | or calculations | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| YEAR 2 | Old | New | | ation for chang | | | | | | | |
| Oct 2011 - Sept. 2012 | 0 | 0 | targets of | or calculations | (if any) | | | | | | |

| | Tar | get | | | | | | |
|--|--|---------------|--|--|--|--|--|--|
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| YEAR 3 | Old | New | Justification for changes to | | | | | |
| Oct 2012 - Sept. 2013 | 5 694 | 5 694 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | This include | les : Delta (| (5520 parcels) and Podor including 174 parcels in Ngalenka | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | | |
| Oct 2013 - Sept. 2014 | 5 787 | 5 787 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | This include | les : Delta (| (5580 parcels) and Podor (207 parcels) | | | | | |
| to target calculations | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | | |
| Oct 2014 - Sept. 2015 | 5 787 | 5 787 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | | |
| | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| COMMENTS | Note: For Ngalenka (Podor), 174 plots are currently occupied by EIG affected by the project (PAPs). The remaining area, i.e. about 366 ha will be subdivided into 33 development units distributed among 33 EIGs. For the Delta, 5520 plots are currently surveyed and integrated into the | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | • | | | | | | | |
| | | | | | | | | |

2.19. Indicator IWRM.19. Land rights formalized

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|---|----------------------|---------------|---|--|---|---------------------------------------|------------------------|--------------------------------|--|--|--|
| Indicator Name | Land rights forma | lized | | | Vers | sion | | N° 03 /Sept 2015 | | | |
| Common Indicator | (L-6) | Current | Indicator Number | IWRM.19 | All F | All Previous Indicator Numbers | | IWRM.21 | | | |
| Number | | | | | | | | | | | |
| Level | Output | Classific | | Cumulative | | of Measure | | Number | | | |
| Detailed Definition | The number of hou | ısehold, c | ommercial and other le | gal entities (e.g. l | NGOs, ch | nurches, hospitals) receiving forma | Il recognition of own | nership and/or use rights | | | |
| F (D !! | | s, titles, le | ases, or other recorded | | | ment institutions or traditional auth | norities at national (| or local levels. | | | |
| Frequency of Reporting | QUARTERLY | | | | Reporting Period Covered Compact Duration | | | | | | |
| Disaggregations | By gender (YES/N | O) | | NO | | | | | | | |
| | By age (YES/NO) | | | NO | | | | | | | |
| | By income (YES/N | | | NO | | | | | | | |
| INDICATOR ILICTIFICATIO | By locality (YES/N | O) | | YES (Delta / Po | odor) | | | | | | |
| INDICATOR JUSTIFICATIO | | T | no indicator makes it no | posible to anumer | oto the n | umber of bougebolde by legality th | at have banefitted | from the formal recognition of | | | |
| Justification for Including | indicator | | | | | umber of households by locality the | | | | | |
| | | | nership rights and/or the use of certificates, titles, leases or other documents registered with government or local institutions or ditional authorities with the support of bodies strengthened by the project. | | | | | | | | |
| How does the indicator lin | k to the EDD2 | | | t Applicable | | | | | | | |
| How does the indicator lin | | | ot Applicable ot Applicable | | | | | | | | |
| | | | • | | | | | | | | |
| How does the indicator line evaluation? | k to the impact | l IN | ot Applicable | | | | | | | | |
| Justification for Disaggreg | ations | Т | he data will be presente | ata will be presented by locality (Delta / Podor) | | | | | | | |
| INDICATOR ACQUISITION | PLAN | | | | | | | | | | |
| Entity Responsible for Col | lecting Data at MC | 4 | Land and Institutional Reforms Directorate | | | | | | | | |
| Point of Contact Responsi | ble for Collecting t | he Data | Alain DIOUF | Alain DIOUF Phone | | 221.77.333.15.72 | E-mail | adiouf@mcasenegal.org | | | |
| at MCA: | | | | | | | | | | | |
| Entity Responsible for the | | | Consultant responsible for the Land Tenure Security component LTS02 | | | | | | | | |
| Detailed description of dat | | dology | Count the number of households that have benefitted from the formal recognition of ownership rights and/or the use of | | | | | | | | |
| (including any calculations co | | | certificates, titles, leases or other documents. | | | | | | | | |
| If survey data, verbatim que respondent | lestion(s) posed to | | Not Applicable | Not Applicable | | | | | | | |
| Detailed description of how | w data is transmitte | ed from | The data is transmitte | he data is transmitted by the Land and Institutional Reforms Directorate | | | | | | | |
| source to MCA | | | | | | | | | | | |
| Frequency and timing of d | • | | QUARTERLY | | | | | | | | |
| Names of verification sour | ces | | | Means of verification | | | | | | | |
| Report F&RI Directorate | | | | | Tables of indicators and register | | | | | | |

| Report Consultant in | n charge of implementing lan | d tenure secu | urity | | Tables of indicators and register | | | | | | |
|--|--|-----------------|--------------------------|---------------------------|-----------------------------------|-------------|-------------|----------------|--|--|--|
| PMU Irrigation Repo | orts | | | | Tables of indicators and register | | | | | | |
| Location of Data S | | Land | and Institu | itional Reforms Directora | | | J | | | | |
| INDICATOR DATA | QUALITY | | | | | | | | | | |
| Date of Data Qualit | ty Review | | | | N/A | N/A | | | | | |
| Main findings of da | Average Score (out of 4) | Recomn | nendations | IW | /RM.19 | | | | | | |
| 1. VALIDITY – Does | 3,6 | | N/A | Validite | | | | | | | |
| 2. RELIABILITY – All over time? | ent 3,6 | | N/A | 4.0 Praticabilite | Fiabilite | | | | | | |
| | e the data current and freque | | | 3,7 | | N/A | 2.0 | | | | |
| | es the data have an accepta | | f error? | 4,0 | | N/A | 1.9 | | | | |
| | ne data free from manipulatio | | | 4,0 | | N/A | Adequation | Opportunite | | | |
| 6. APPROPRIATEN results? | ESS – To what extent do the | e indicators fu | ılly portray | the 4,0 | | N/A | Intoquito | Presision | | | |
| 7. PRACTICABILITY | Y- Is the data current and fre | quently collec | ted? | 4,0 | | N/A | Integrite | Precision | | | |
| Overall assessmen | nt | , , | | 3,8 | | | | | | | |
| Action taken in res | sponse to data quality revie | SM. | | Not Applicable | 1. | | | | | | |
| | ions and significance | | | Not Applicable | | | | | | | |
| Actions taken to ac | ddress data limitations | | | Not Applicable | | | | | | | |
| INDICATOR BASEL | LINE INFORMATION | | | | | | | | | | |
| Old Baseline | 0 | Old Baselir | ne Year | 2011-201 | 2 | Source of o | d Baseline | DFRI Work Plan | | | |
| New Baseline | 0 | New Baseli | ne Year | 2011-201 | 2 | Source of N | ew Baseline | DFRI Work Plan | | | |
| Justification for Baseline Change (if any) | | | | ' | | 1 | | , | | | |
| INDICATOR TARGE | ET CALCULATIONS | - | | | | | | | | | |
| | VEAD 4 | | get | 1 1161 11 6 1 | | | | | | | |
| | YEAR 1 | Old | New | Justification for change | | | | | | | |
| | 10 - Sept. 2011 | N/A | N/A | targets or calculations | s (II any) | | | | | | |
| target calculations | umptions and inputs to | | | | | | | | | | |
| | | | Justification for change | nes to | | | | | | | |
| | | | targets or calculations | | | | | | | | |
| | Explanation of assumptions and inputs to | | | | | I | | | | | |

| | Tai | rget | |
|--|------------|----------|----------------------------------|
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 600 | 600 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | • | |
| target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 2500 | 2500 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | - |
| target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | 2500 | 2500 | targets or calculations (if any) |
| Explanation of assumptions and inputs to | | | |
| target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FOR DET | TAII ED CA | | NS (if required) |
| SUPPLEINENTARY DOCUMENTATION FOR DE | IAILED CA | LCULATIO | NS (II required) |

2.20. Indicator IWRM.20. Value of signed irrigation feasibility and design contracts

| INDICATOR BASIC DETAILS | | | | | | | | | |
|--------------------------------------|----------------------------|---------------|--|------------------------|-------------------|-------------|--------------------|----------------------|------------------------|
| Indicator Name | Value of signed irrigation | n feasibility | and design contracts | | | | Version | | N° 03 / Sept 2015 |
| Common Indicator Number | (AI-1) | | dicator Number | IWRM.20 | | | All Previous In | dicator Numbers | IWRM.18. / IWRM.23. |
| Level | Process | Classificat | ion | Cumulative | | | Unit of Measur | US\$ | |
| Detailed Definition | | | asibility, design, and environmental contracts, including resettlement action plans, for agricultural irrigation investments using Senegal, this also includes contracts covering supervision, which cannot be separated from the other studies) | | | | | | |
| Frequency of Reporting | QUARTERLY | | | V I | | | g Period Covere | | ion of the Compact |
| Disaggregations | By gender (YES/NO) | | | | | NO | 9 | | • |
| | By age (YES/NO) | | | | | NO | | | |
| | By income (YES/NO) | | | | | NO | | | |
| | By locality (YES/NO) | | | | | NO | | | |
| | By Contract Type (YES | /NO) | | | | YES (OD | A & DAO Studies | for the Delta/ODA | & DAO Studies for |
| | | • | | | | Ngalenka | /Ngalenka and D | elta RAP/Environme | ental |
| | | | | | | Audit/Env | ironmental Auditi | ing) | |
| INDICATOR JUSTIFICATION I | | | | | | | | | |
| Justification for Including Ind | | The in | ndicator provides info | rmation on the am | ount of studies | and super | vision contracts s | signed for the Delta | and Ngalenka. |
| How does the indicator link to | the ERR? | | pplicable | | | | | | |
| How does the indicator link to | | | pplicable | | | | | | |
| How does the indicator link to | | | pplicable | | | | | | |
| Justification for Disaggregation | | Not A | plicable | | | | | | |
| INDICATOR ACQUISITION PL | AN | | | | | | | | |
| Entity Responsible for Collec | | | Irrigation Project Directorate | | | | | | |
| Point of Contact Responsible | for Collecting the Data | at MCA: | Cheikh T. SENE | Phone | 221.77.333.1 | 5.80 | E-mail | ctsene@mcasene | gal.org |
| Entity Responsible for the co | llection of primary Data | | Project managers [| Delta and Ngalenka | a Irrigation Proj | ect Directo | rate | | |
| Detailed description of data c | ollection methodology | (including | Use data from different contracts (Detailed studies and Tender Documents, Environmental Monitoring, RAP) for the | | | | | | |
| any calculations computed by s | ource) | | reference period | | | | | | |
| If survey data, verbatim quest | | | Not Applicable | | | | | | |
| Detailed description of how d | ata is transmitted from | source to | The data is transmi | tted by the Irrigation | on Project Direc | ction | | | |
| MCA | | | | | | | | | |
| Frequency and timing of data | acquisition | | QUARTERLY | | | | | | |
| Names of verification sources | | | | Means of verification | | | | | |
| Contracts signed between MCA | -S and the consultants c | narged with t | he studies V | Value of the contract | | | | | |
| Location of Data Storage | | | Irrigation Project Di | rectorate & Procu | rement Directo | rate | | | |

| INDICATOR DATA QUALITY | | | | | | | | | |
|--|--------------|------------|--------------------------|--------------------------|---|---|--|--|--|
| Date of Data Quality Review | | | | November 2014 | | | | | |
| Main findings of data quality review | | | Average Score (out of 4) | Recommendations | IV | VRM.20 | | | |
| 1. VALIDITY – Does the data clearly represent results? | t the desire | ed | 4,0 | N/A | | Validite | | | |
| 2. RELIABILITY – Are the data collection proceed consistent over time? | edures sta | ble and | 3,6 | N/A | 4.0 Praticabilite | | | | |
| 3. TIMELINESS- Are the data current and frequently collected? | | | 4,0 | N/A | 2.0 | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | | | 3,2 | N/A | | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | | | 4,0 | N/A | Adequation | Opportunite | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | | | 4,0 | N/A | | | | | |
| 7. PRACTICABILITY- Is the data current and f collected? | | 4,0 | N/A | Integrite | Precision | | | | |
| Overall assessment | | | 3,8 | | | | | | |
| Action taken in response to data quality rev | view | | Not Applicable | | | | | | |
| Known data limitations and significance | | | Not Applicable | | | | | | |
| Actions taken to address data limitations | | | Not Applicable | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | |
| Old Baseline | 0 | Old Base | eline Year | 2010-2011 | Source of old Baseline | IWRM Project Work Plan | | | |
| New Baseline | 0 | New Bas | seline Year | 2010-2011 | Source of New Baseline | IWRM Project Work Plan | | | |
| Justification for Baseline Change (if any) | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | |
| | | Target | | | | | | | |
| YEAR 1 | Old | Ne | ew Justifica | tion for changes to | Increased costs of certain co | ontracts | | | |
| Oct 2010 - Sept. 2011 | 2 560 9 | 50 2 560 | 0 950 targets o | or calculations (if any) | Delays in procurement proce | edures | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| YEAR 2 Old New Ju | | | ew Justifica | tion for changes to | Increased costs of certain co | ontracts | | | |
| Oct 2011 - Sept. 2012 3 658 398 3 658 398 | | | 8 398 targets of | or calculations (if any) | Delays in procurement proce | edures | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| YEAR 3 | Old | | | tion for changes to | | ow included in those studies. Year 3 corresponds to | | | |
| Oct 2012 - Sept. 2013 | 11 494 5 | 47 11 49 | 4 547 targets c | or calculations (if any | the works start-up year and thus to the signing of supervision-related contracts. | | | | |

| | Target | | | | | | | |
|---|------------|------------|----------------------------------|--|--|--|--|--|
| Explanation of assumptions and inputs to | | | | | | | | |
| target calculations | | | | | | | | |
| YEAR 4 | Old | New | _ Justification for changes to | | | | | |
| Oct 2013 - Sept. 2014 | 11 494 547 | 11 494 547 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to | | | | | | | | |
| target calculations | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | | |
| Oct 2014 - Sept. 2015 | 11 494 547 | 11 494 547 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to | | | | | | | | |
| target calculations | | | | | | | | |
| Long Term Target | Old | New | _ Justification for changes to | | | | | |
| | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to | | | | | | | | |
| target calculations | | | | | | | | |
| COMMENTS | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | | |
| | | | | | | | | |

2.21. Indicator IWRM.21. Percent disbursed of irrigation feasibility and design contracts

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|---|------------------------------|----------------------|---|--------------------------|-------------------------|--------------------------------|------------|---------------------|-----------------------------|--|
| Indicator Name | Percent disbursed of irrigat | ion feasibility and | l design contr | acts | | Version | | | N° 03 / Sept 2015 | |
| Common Indicator Number | (AI-2) | Current In | ndicator Nun | nber | IWRM.21 | All Previous Indicator Numbers | | IWRM.19. / IWRM.24. | | |
| Level | Process | tion | | Cumulative | Unit of Meas | | | Percentage | | |
| Detailed Definition | The total amount of all sign | | | | al contracts, including | resettlement ac | tion plans | s, for agriculti | ural irrigation investments | |
| | disbursed divided by the to | tal value of all sig | ned contracts | S | 1 | | ı | | | |
| Frequency of Reporting | QUARTERLY | | | | Reporting Period C | overed | Compa | ct Duration | | |
| Disaggregations | By gender (YES/NO) | | | | NO | | | | | |
| | By age (YES/NO) | | | | NO | | | | | |
| | By income (YES/NO) | | | | NO | | | | | |
| | By locality (YES/NO) | | | | NO | | | | | |
| | By Contract Type (YES/NC |)) | | | | | | | lies for Ngalenka/Ngalenka | |
| INDICATOR HICTIFICATIONS | DETAIL C | | | | and Delta RAP/Envir | onmental Audit | /Environr | nental Auditii | ng) | |
| INDICATOR JUSTIFICATION D | | The indicator or | ouddoo lafowy | ation on | the amendance distance | and for contract | مرالما ما | الملمام ماملما | ad atualisa and Tandan | |
| Justification for Including Ind | licator | | | | | | | | ed studies and Tender | |
| | | | erence period) and supervisions for the Delta and Ngalenka It is a Common Indicator. See "Guidance on tor, May 2012" MCC. | | | | | | | |
| How does the indicator link to | the FDD? | Not Applicable | itor, iviay 201. | Z IVICC. | | | | | | |
| How does the indicator link to | | Not Applicable | | | | | | | | |
| How does the indicator link to | | Not Applicable | | | | | | | | |
| Justification for Disaggregation | | Not Applicable | | | | | | | | |
| INDICATOR ACQUISITION PL | | | | | | | | | | |
| Entity Responsible for Collec | ting Data at MCA | | Irrigation P | roject Dir | rectorate | | | | | |
| Point of Contact Responsible | for Collecting the Data at I | MCA: | Cheikh T. S | | Phone | 221.77.333.15 | .80 | E-mail | ctsene@mcasenegal.org | |
| Entity Responsible for the co | | | Project managers Delta and Ngalenka Irrigation Project Directorate | | | | | | | |
| Detailed description of data c | | luding any | | | ursements made under | the contracts of | concerned | b | | |
| calculations computed by sourc | e) | | Numerator = Disbursed amounts. | | | | | | | |
| | | | Denominator = Contract amounts. It is a proxy indicator for the completion | | | | | | | |
| If survey data, verbatim quest | , , , | | | | the DAF of MCA-S | | | | | |
| Detailed description of how d | ata is transmitted from sou | rce to MCA | The data is transmitted by the DAF | | | | | | | |
| Frequency and timing of data | | | QUARTER | | | | | | | |
| Names of verification sources | | | | | of verification | | | | | |
| Contracts signed between MCA-S and the consultants in charge of studies | | | | Contracts and amendments | | | | | | |
| DAF Financial Report | DAF Financial Report | | | | Payment invoices | | | | | |
| Location of Data Storage | | | Administra | tive and I | Financial Directorate | • | | | | |

| INDICATOR DATA QUALITY | | | | | | | | | | | |
|--|----------------|----------|---------------------------|---|------|--|--|-----|--|--|--|
| Date of Data Quality Review | | | | November 2014 | | | | | | | |
| Main findings of data quality review | | | Average Sco (out of 4) | re Recommendation | ns | | IWRM.21 | | | | |
| VALIDITY – Does the data clearly represent results? | it the desired | d | 4,0 | N/A | | | Validite | | | | |
| 2. RELIABILITY – Are the data collection proc consistent over time? | | | 3,6 | N/A | | 4.0 Praticabilite 3.0 Fiabilite | | | | | |
| 3. TIMELINESS- Are the data current and free | quently colle | cted? | 4,0 | N/A | | | 2.0 | | | | |
| 4. PRECISION – Does the data have an acce error? | ptable marg | in of | 3,2 | N/A | | | 1.0 | | | | |
| 5. INTEGRITY- Is the data free from manipula | ation? | | 4,0 | N/A | | | | | | | |
| 6. APPROPRIATENESS – To what extent do portray the results? | the indicator | rs fully | 4,0 | N/A | | A | dequation Opportunite | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | | | 4,0 | N/A | | | Integrite Precision | | | | |
| Overall assessment | | | 3,8 | | | | integrite Fredsion | | | | |
| Action taken in response to data quality re | view | | N/A | • | | | | | | | |
| Known data limitations and significance | | | N/A | | | | | | | | |
| Actions taken to address data limitations | | | N/A | | | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | | | |
| Old Baseline | | 0% | | Baseline Year | | 010-2011 | Source of old Baseline IWRM Project Work Plan | | | | |
| New Baseline | | 09 | 6 Nev | v Baseline Year | 20 | 010-2011 | Source of New Baseline IWRM Project Work Plan | | | | |
| Justification for Baseline Change (if any) | | | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | | | |
| | | Target | | | | | | | | | |
| YEAR 1 | Old | | New | Justification for | | | plementation of activities relative to the Irrigation infrastructure a | ınd | | | |
| Oct 2010 - Sept. 2011 12,0% | | | 12,0% | changes to targets or calculations (if any) | Inte | Land Tenure Security of the Irrigation Project Integration in the calculation of disbursements provided for under the wo supervision contracts | | | | | |
| Explanation of assumptions and inputs to target calculations | | | • | | | | | | | | |
| YEAR 2 | Old | | New | | | | | | | | |

| | Targe | t | | |
|--|----------------|--------------|--|--|
| Oct 2011 - Sept. 2012 | 32% | 32% | Justification for changes to targets or calculations (if | |
| Explanation of assumptions and inputs | | | any) | |
| to target calculations | | | | |
| YEAR 3 | Old | New | Justification for | |
| Oct 2012 - Sept. 2013 | 54% | 54% | changes to targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| YEAR 4 | Old | New | Justification for | |
| Oct 2013 - Sept. 2014 | 77% | 77% | changes to targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| YEAR 5 | Old | New | Justification for | |
| Oct 2014 - Sept. 2015 | 100% | 100% | changes to targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| Long Term Target | Old | New | Justification for | |
| | N/A | N/A | changes to targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| COMMENTS | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | DETAILED CALCU | ILATIONS (ii | if required) | |

2.22 Indicator IWRM.22. Value disbursed of irrigation feasibility and design contracts

| INDICATOR BASIC DETAILS | S | | | | | | | | | | |
|--|-----------------|-----------------------|-------------------------|---|------------------------------|-----------------|------------------------------------|--|--|--|--|
| Indicator Name | Value disburs | sed of irrigation fea | sibility and design con | tracts | Version | | N° 03 / Sept 2015 | | | | |
| Common Indicator | (AI-2.1) | | ent Indicator | IWRM.22. | All Previous Indicate | or Numbers | New indicator | | | | |
| Number | | Num | | | | | | | | | |
| Level | Process | | sification | Cumulative | Unit of Measure* | | US\$ | | | | |
| Detailed Definition | | | | | | | plans, for agricultural irrigation | | | | |
| | | | | npact funds. In Senegal, this means the total disbursed of contracts for detailed studies and DAO (baseline per | | | | | | | |
| | | or the Delta and No | jalenka. | T | 10 10 11 | | | | | | |
| Frequency of Reporting | QUATERLY | (EO/NO) | | Reporting Period Covered | Compact Duration | | | | | | |
| Disaggregations | By gender (Y | | | NO | | | | | | | |
| | By age (YES | | | NO | | | | | | | |
| | By income (Y | | | NO NO | | | | | | | |
| | By locality (Y | Type (YES/NO) | | YES (ODA & DAO Studies for | the Delta/ODA & DAO | Ctudios for No | ralanka/Ngalanka and Dalta | | | | |
| | by Contract | Type (TES/NO) | | | | Studies for INC | galerika/nyalerika ahu Della | | | | |
| RAP/Environmental Audit/Environmental Auditing) INDICATOR JUSTIFICATION DETAILS | | | | | | | | | | | |
| | | ı | | | | | | | | | |
| Justification for Including I | ndicator | | | | | | lies and DAO (baseline period) and | | | | |
| | | supervision for th | e Delta and Ngalenka. | . It is a common indicator. See "C | <u>Guidance on Common Ir</u> | ndicators, May | / 2012" MCC. | | | | |
| How does the indicator link ERR? | | N/A | | | | | | | | | |
| How does the indicator link | | N/A | | | | | | | | | |
| How does the indicator link | to the | N/A | | | | | | | | | |
| impact evaluation? | | | | | | | | | | | |
| Justification for Disaggrega | | N/A | | | | | | | | | |
| INDICATOR ACQUISITION F | PLAN | | | | | | | | | | |
| Entity Responsible for Colle | | | Direction Projet Ir | rigation | | | | | | | |
| Point of Contact Responsib MCA: | le for Collecti | ng the Data at | Cheikh T. SENE | Phone | 221.77.333.15.80 | E-mail | ctsene@mcasenegal.org | | | | |
| Entity Responsible for the o | collection of p | rimary Data | Project managers | Delta and Ngalenka Irrigation Pr | roject Directorate | | , | | | | |
| Detailed description of data | | | | ferent contracts (Detailed studies | | s, Environmer | ntal Monitoring, RAP) for the | | | | |
| (including any calculations co | | | reference period | | | | | | | | |
| If survey data, verbatim que | | | Not Applicable | | | | | | | | |
| Detailed description of how data is transmitted from source | | | | The data is transmitted by the Irrigation Project Direction | | | | | | | |
| to MCA | | | | | | | | | | | |
| Frequency and timing of da | ta acquisition | 1 | QUARTERLY | QUARTERLY | | | | | | | |

| Names of verification sources | | | | Means of verification | | | | |
|--|-------------------|----------------------|--------------------------|---------------------------|------------------------|--|--|--|
| Contracts signed between MCA-S and the consulta | ints in charge of | studies | | Contracts and amendmen | ts | | | |
| DAF Financial Report | | | | Payment invoices | | | | |
| Location of Data Storage | | Administrative a | nd Financial Directorate | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | |
| Date of Data Quality Review | | November | 2014 | | | | | |
| Main findings of data quality review | Average | | 2011 | | | | | |
| The state of the s | Score (ou | | dations | | IWRM.22 | | | |
| VALIDITY – Does the data clearly represent the desired results? | 4,0 | | N/A | | Validite 4.0 | | | |
| 2. RELIABILITY – Are the data collection procedure stable and consistent over time? | es 3,6 | | N/A | Praticabilite | 3.0 Fiabilite | | | |
| 3. TIMELINESS- Are the data current and frequent collected? | 4,0 | | N/A | | 1.0 | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | 3,2 | | N/A | Adequation | Opportunite | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 4,0 | | N/A | / talequation | Spportainte | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 4,0 | | N/A | | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 4,0 | | N/A | Int | egrite Precision | | | |
| Overall assessment | 3,8 | | | | | | | |
| Action taken in response to data quality review | N/A | | | | | | | |
| Known data limitations and significance | N/A | | | | | | | |
| Actions taken to address data limitations | N/A | | | | | | | |
| INDICATOR BASELINE INFORMATION | | | 1 | | | | | |
| Old Baseline | KIA - | old Baseline Tear | N/A | Source of old Baseline | N/A | | | |
| New Baseline | (1) | ew Baseline ear | 2010-2011 | Source of New Baseline | IWRM Project Work Plan | | | |
| Justification for Baseline Change (if any) | New indicator | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | |
| Targ | | | | | | | | |
| YEAR 1 Old | New | - | New indicator | | | | | |

| | Ta | arget | | |
|--|-------------|-------------|---|---------------|
| Oct 2010 - Sept. 2011 | NA | 1 379 345 | Justification for changes to targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| YEAR 2 | Old | New | Justification for changes to | New indicator |
| Oct 2011 - Sept. 2012 | NA | 3 678 255 | targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| YEAR 3 | Old | New | Justification for changes to | New indicator |
| Oct 2012 - Sept. 2013 | NA | 6 207 055 | targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| YEAR 4 | Old | New | Justification for changes to | New indicator |
| Oct 2013 - Sept. 2014 | NA | 8 850 801 | targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| YEAR 5 | Old | New | Justification for changes to | New indicator |
| Oct 2014 - Sept. 2015 | NA | 11 494 547 | targets or calculations (if any) | |
| Explanation of assumptions and inputs to target calculations | | | | |
| Post Compact Target | Not Applica | able | | |
| COMMENTS | | | | |
| SUPPLEMENTARY DOCUMENTATION | ON FOR DE | TAILED CALO | CULATIONS (if required) | |

2.23. Indicator IWRM.23. Value of signed irrigation construction contracts

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|---|-----------------------------|--|---|-------------------------|--------------------------------|-------------|---------------------|--|--|--|
| Indicator Name | Value of signed irrigation | n construction contracts | | Version | | | N° 03 / Sept 2015 | | | |
| Common Indicator Number | (AI-3) | Current Indicator Number | IWRM.23 | All Previous In | All Previous Indicator Numbers | | IWRM.20. / IWRM.25. | | | |
| Level | Process | Classification Cumulative Unit of Measure* | | | US\$ | | | | | |
| Detailed Definition | | onstruction contracts for agricu | | | | | | | | |
| Frequency of Reporting | QUARTERLY | | Reporting Period Co | overed C | compact Dur | ation | | | | |
| Disaggregations | By gender (YES/NO) | | NO | • | | | | | | |
| | By age (YES/NO) | | NO | | | | | | | |
| | By income (YES/NO) | | NO | | | | | | | |
| | By locality (YES/NO) | | YES (Delta / Ngalenk | a) | | | | | | |
| INDICATOR JUSTIFICATION DETA | AILS | | 1 | | | | | | | |
| Justification for Including Indicat | or | This indicator provides inform Ngalenka | mation on the value of sign | ed contracts for irriga | ation infrastru | ucture work | s in the Delta and | | | |
| How does the indicator link to the | ERR? | Not Applicable | | | | | | | | |
| How does the indicator link to the | e BA? | Not Applicable | | | | | | | | |
| How does the indicator link to the | e impact evaluation? | Not Applicable | | | | | | | | |
| Justification for Disaggregations | | The indicator will be disaggregated by lots (Delta Lot1, Delta Lot2, Delta Lot3, Delta Lot4, Ngalenka) and by locality for the | | | | | | | | |
| | | different contracts relative to detailed studies and supervision for the Delta and Ngalenka. | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | |
| Entity Responsible for Collecting | | Irrigation Project Directorate | | | | | | | | |
| Point of Contact Responsible for MCA: | Collecting the Data at | Cheikh T. SENE | Phone | 221.77.333.15.80 | E-mail | ctsene@ | mcasenegal.org | | | |
| Entity Responsible for the collect | | Project managers Delta and Ngalenka of the Irrigation Project Directorate | | | | | | | | |
| Detailed description of data coller (including any calculations compute | | Use data from signed works contracts | | | | | | | | |
| If survey data, verbatim question respondent | (s) posed to | Not Applicable | | | | | | | | |
| Detailed description of how data source to MCA | is transmitted from | The data from the Administrative and Financial Directorate are transmitted by the Irrigation Project Directorate | | | | | | | | |
| Frequency and timing of data acc | quisition | QUARTERLY | ARTERLY | | | | | | | |
| Names of verification sources | | | Means of verification | | | | | | | |
| Contracts signed between MCA-S a | and the consultants in char | ge of studies | Contract values | | | | | | | |
| Location of Data Storage | | DAF, DPM & Irrigation Project | DAF, DPM & Irrigation Project Directorate | | | | | | | |

| INDICATOR DATA QUALITY | | | | | | | | |
|---|----------------------------------|--------------------------|-----------------------|-------------|------------------------|------------------------|--|--|
| Date of Data Quality Review | | | November 2014 | | | | | |
| Main findings of data quality review | | Average Score (out of 4) | Recommendation | IS | | | | |
| VALIDITY – Does the data clearly represer results? | nt the desired | 4,0 | N/A | | IWRM. | 23 | | |
| 2. RELIABILITY – Are the data collection production and consistent over time? | cedures stable | 3,6 | N/A | | Validite 4.0 | | | |
| 3. TIMELINESS- Are the data current and free collected? | . 3 | 4,0 | N/A | | Praticabilite 3.0 | Fiabilite | | |
| 4. PRECISION – Does the data have an acceerror? | of 3,2 | N/A | | 2.0 | | | | |
| 5. INTEGRITY- Is the data free from manipula | ation? | 4,0 | N/A | | | | | |
| 6. APPROPRIATENESS – To what extent do fully portray the results? | 4,0 | N/A | | Adequation | Opportunite | | | |
| 7. PRACTICABILITY- Is the data current and collected? | 4,0 | N/A | | | | | | |
| Overall assessment | Overall assessment | | | | Integrite | Precision | | |
| Action taken in response to data quality re | eview | Not Applicable | _1 | | | | | |
| Known data limitations and significance | | Not Applicable | Not Applicable | | | | | |
| Actions taken to address data limitations | | Not Applicable | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | |
| Old Baseline | | Old Baseline Year | | - 2011 | Source of old Baseline | Work Plan IWRM Project | | |
| New Baseline | 0 | New Baseline Year | 2010 | - 2011 | Source of New Baseline | Work Plan IWRM Project | | |
| Justification for Baseline Change (if any) | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | |
| | Ta | arget | | | | | | |
| YEAR 1 | Old | | ustification for cha | nges to | | | | |
| Oct 2010 - Sept. 2011 | 0 | | argets or calculation | | | | | |
| Explanation of assumptions and inputs | | | | <u> </u> | | | | |
| to target calculations | | New J | | | | | | |
| YEAR 2 | 'EAR 2 Old | | ustification for cha | | | | | |
| | Oct 2011 - Sept. 2012 19 153 347 | | argets or calculatio | ns (if any) | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 3 | Old | New | | | | | | |

| | Ta | rget | |
|--|-------------|---------------|---|
| Oct 2012 - Sept. 2013 | 130 883 874 | 130 883 874 | Justification for changes to targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 130 883 874 | 130 883 874 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 130 883 874 | 130 883 874 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | DETAILED CA | LCULATIONS (i | f required) |
| | | · | • • |
| | | | |

2.24. Indicator IWRM.24. Percent disbursed of irrigation construction contracts

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|---|----------------------|--------------------|--|--|--------------------------|------------|-----------------------|-----------------------|-----------------|-----------------------------|
| Indicator Name | Percent disburse | d of irrigation co | nstruction contracts | | | Vers | sion | | | N° 03 / Sept 2015 |
| Common Indicator Number | (AI-4) | Current Indica | tor Number | IWR | M.24 | All | Previous Inc | dicator Nu | mbers | IWRM.21. / IWRM.26. |
| Level | Process | Classification | | Level | | Uni | of Measure | 9 * | | Percentage |
| Detailed Definition | The total amount | of all signed cor | nstruction contracts f | or agr | icultural irrigation inv | estments | disbursed di | vided by th | e total value | of all signed contracts. |
| Frequency of Reporting | QUARTERLY | | | | Reporting Period | Covered | Compa | ct Duration | | |
| Disaggregations | By gender (YES/ | NO) | | | NO | | | | | |
| | By age (YES/NO |) | | | NO | | | | | |
| | By income (YES/ | NO) | | | NO | | | | | |
| | By locality (YES/ | VO) | | | YES (Delta / Ngale | nka) | | | | |
| INDICATOR JUSTIFICATION DETA | ILS | | | | | | | | | |
| Justification for Including Indicate | or | | dicator provides info | | | | | | | |
| | EDD2 | | | cture works in the Delta and Ngalenka A proxy indicator provides information on the progress of works. | | | | | | |
| How does the indicator link to the How does the indicator link to the | | | oplicable oplicable | | | | | | | |
| How does the indicator link to the | | | oplicable oplicable | | | | | | | |
| Justification for Disaggregations | impact evaluation | | | made | by locality (Delta / N | lgalenka) | and by lot be | ecause for e | each of these | e localities, the contracts |
| Judamounion Disaggrogations | | | varded by different lo | | by looding (Bond 7) | igaiorina) | and by lot by | 30a a 56 161 3 | 04011 01 111000 | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | |
| Entity Responsible for Collecting | Data at MCA | | Irrigation Project Directorate | | | | | | | |
| Point of Contact Responsible for C | | | Cheikh T. SENE | | Phone | 221.77. | 333.15.80 | E-mail | ctsene@n | ncasenegal.org_ |
| Entity Responsible for the collecti | | | _ | Administrative and Finance Directorate | | | | | | |
| Detailed description of data collec | tion methodology | (including any | Use of data from signed works contracts | | | | | | | |
| calculations computed by source) | | | Numerator = amount disbursed. | | | | | | | |
| If survey data, verbatim question(s | s) nosed to respon | ndent | Denominator = total contract amount. It is an proxy indicator for the completion | | | | | | | |
| Detailed description of how data is | <i>'</i> 1 1 | | ' ' | Not Applicable The data is transmitted by the DAE | | | | | | |
| MCA | s transmitted mon | i Source to | THE Udta is trainsi | The data is transmitted by the DAF | | | | | | |
| Frequency and timing of data acqu | uisition | | QUARTERLY | QUARTERLY | | | | | | |
| Names of verification sources | | | | M | | | Means of verification | | | |
| Contracts signed between MCA-S ar | nd the consultants i | n charge of stud | ies Contracts and amendments | | | | | | | |
| DAF Financial Report | | | | | | Payme | nt invoices | | | |

| Location of Data Storage | | | | | Administrative and Finar | icial Directorate | | |
|--|--|---------------|--------------------------|---|--------------------------|------------------------|--|--|
| INDICATOR DATA QUALITY | | | | | | | | |
| Date of Data Quality Review | | | | June 2013 | | | | |
| Main findings of data quality | / review | | Average Score (out of 4) | Recommendations | | IWRM.24 | | |
| 1. VALIDITY – Does the data or results? | clearly represent | t the desired | 4,0 | N/A | IW | | | |
| and consistent over time? | 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | | | N/A | 4.0 | /alidite | | |
| 3. TIMELINESS- Are the data collected? | · | j | 4,0 | N/A | Praticabilite 3.0 | Fiabilite | | |
| 4. PRECISION – Does the dat of error? | | _ | 3,2 | N/A | f.0 | | | |
| 5. INTEGRITY- Is the data free | e from manipula | tion? | 4,0 | N/A | | | | |
| 6. APPROPRIATENESS – To fully portray the results? | 6. APPROPRIATENESS – To what extent do the indicators | | | N/A | Adequation | Opportunite | | |
| 7. PRACTICABILITY- Is the da collected? | ata current and f | requently | 4,0 | N/A | | | | |
| Overall assessment | | | | 3,8 | | | | |
| Action taken in response to | data quality rev | /iew | Not Applicable | L Not Applicable | | | | |
| Known data limitations and | | | Not Applicable | | | | | |
| Actions taken to address da | | | Not Applicable | | | | | |
| INDICATOR BASELINE INFO | | | Trouble products | | | | | |
| Old Baseline | 0% | Old Baseline | Year | 2010-2011 | Source of old Baseline | IWRM Project Work Plan | | |
| New Baseline | 0% | New Baseline | Year | 2010-2011 | Source of New Baseline | IWRM Project Work Plan | | |
| Justification for Baseline Ch | nange (if any) | | | | | | | |
| INDICATOR TARGET CALCU | JLATIONS | | | | | | | |
| | | Target | | | | | | |
| YEAR 1 | | Old N | ew Justificati | on for changes to | | | | |
| Oct 2010 - Sept. 20 |)11 | 0% 0 | | calculations (if any) | | | | |
| to target calculations | Explanation of assumptions and inputs | | | | | | | |
| YEAR 2 Oct 2011 - Sept. 20 | 112 | | | on for changes to calculations (if any) | | | | |
| Oct 2011 - Sept. 20 | 712 | 0/0 0 | /0 laryers or | calculations (ii ally) | | | | |

| | Tar | get | |
|--|----------|---------|--|
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | 37% | 37% | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 80% | 80% | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 100% | 100% | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | DETAILED | CALCULA | ATIONS (if required) |
| | | | and the second s |
| | | | |

2.25 Indicator IWRM.25. Value disbursed for irrigation construction contracts

| INDICATOR BASIC DETAILS | | | | | | | | | | | | |
|--|---|---------------------|---------------|---|---------------|--------------|---------------------|-------------------|------------|----------------------------|--|--|
| Indicator Name | Value disburse | d for irrigation co | onstruction (| contracts | | | Version | | | N° 03 / Sept 2015 | | |
| Common Indicator Number | (AI-4.1) | | | dicator Number | IWRM.25 | | All Previous In | dicator Numbe | ers | New indicator | | |
| Level | Process | | Classificati | | Cumulati | | Unit of Measur | | | US\$ | | |
| Detailed Definition | | nt of disburseme | ents under s | signed contracts for construction of irrigation infrastructure in the Delta and Ngalenka. | | | | | | | | |
| Frequency of Reporting | QUATERLY | | | Reporting Period Covered Compact Duration | | | | | | | | |
| Disaggregations | By gender (YE: | | | | NO | | | | | | | |
| | By age (YES/N | | | NO | | | | | | | | |
| | By income (YE | | | | NO (5 ti | | | | | | | |
| | By locality (YES | S/NO) | | | Yes (Delt | a / Ngalenk | a) | | | | | |
| INDICATOR JUSTIFICATION DE | TAILS | | | | | | | | | | | |
| Justification for Including Indica | ator | This indicator | provides info | ormation on the tot | al amount of | disburseme | ents under the sig | ned contracts for | or constru | iction of irrigation | | |
| - | | infrastructure i | in the Delta | and Ngalenka. | | | | | | Ç | | |
| How does the indicator link to the | | N/A | | | | | | | | | | |
| How does the indicator link to the | | N/A | | | | | | | | | | |
| How does the indicator link to the evaluation? | v does the indicator link to the impact | | | | | | | | | | | |
| Justification for Disaggregation | S | | | e made by locality (and the signed Ng | | nka) and by | y lot for amounts | of disbursemen | ts on con | tracts work in irrigation | | |
| INDICATOR ACQUISITION PLAN | V | IIIIIastructure | III the Delta | and the signed my | alerika | | | | | | | |
| Entity Responsible for Collectin | ng Data at MCA | | | Direction Projet Irrigation | | | | | | | | |
| Point of Contact Responsible for | r Collecting the | Data at MCA: | (| Cheikh T. SENE | Phone | 221. | 77.333.15.80 | E-mail | ctsen | e@mcasenegal.org | | |
| Entity Responsible for the colle | ction of primary | Data | F | Project managers D | elta and Nga | lenka Irriga | ation Project Direc | ctorate | • | | | |
| Detailed description of data coll | lection methodo | logy (including a | any L | Jse data from differ | ent contracts | (Detailed s | studies and Tend | er Documents, I | Environme | ental Monitoring, RAP) for | | |
| calculations computed by source) | | | tl | the reference period | | | | | | | | |
| If survey data, verbatim questio | n(s) posed to re | spondent | | Not Applicable | | | | | | | | |
| Detailed description of how data | a is transmitted | from source to | | The data is transmitted by the Irrigation Project Direction | | | | | | | | |
| Frequency and timing of data ad | cquisition | | (| QUARTERLY | | | | | | | | |
| Names of verification sources | | | | | | | verification | | | | | |
| Contracts signed between MCA-S | and the consulta | ints in charge of | studies | | | | and amendment | S | | | | |
| DAF Financial Report | | | | Payment invoices | | | | | | | | |
| Location of Data Storage | | | A | Administrative and Financial Directorate | | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | | | |
| Date of Data Quality Review | | | | November 20 | 14 | | | | | | | |
| | | | | | | | | | | | | |

| Main findings of data quality review | V | | Average (Out | | Recommanda | tions | | IWRN | И.25 | | |
|--|----------------------------|------------|-----------------|----------------------|-----------------|-----------|----------------------------|------------------------------------|--|--|--|
| 1. VALIDITY – Does the data clearly r results? | | | 4, | 0 | N/A | | | Valid | lite | | |
| and consistent over time? | | | 3, | 6 | N/A | | | 4.0 Praticabilite 3.0 | Fiabilite | | |
| collected? | | | | 4,0 N/A | | | 2.0 | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | | | of 3, | 3,2 N | | | 1:0 | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | | | 4, | 0 | N/A | | Adequation | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | | | 4, | 0 | N/A | | | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | | | 4, | 0 | N/A | | | Integrite | Precision | | |
| Overall assessment | 3, | 8 | | | | | | | | | |
| Action taken in response to data qu | N/A | | | | | | | | | | |
| Known data limitations and significance | | | N/A | | | | | | | | |
| Actions taken to address data limit | | | N/A | | | | | | | | |
| INDICATOR BASELINE INFORMATION | ON | | | | | | | | | | |
| Old Baseline | | | | NA Old Baseline Year | | 2010-2011 | | Source of old Baseline | IWRM Project Work Plan | | |
| New Baseline | | | 0 | 0 New Baseline Year | | 2010 | 2010-2011 Source of New Ba | | IWRM Project Work Plan | | |
| Justification for Baseline Change (i | | | | | | | | | | | |
| INDICATOR TARGET CALCULATION | | | | | | | | | | | |
| | | arget | | | | | | | | | |
| YEAR 1 | Old | New | Justifica | tion for | changes to | | | e calculation of disbursements pro | ovided for under the works supervision | | |
| Oct 2010 - Sept. 2011 | NA | 0 | | | ations (if any) | contract | S | | | | |
| Explanation of assumptions and | | | | | | | | | | | |
| inputs to target calculations | <u> </u> | T | T | | | | | | | | |
| YEAR 2 | | | | | changes to | | | | | | |
| L L | Oct 2011 - Sept. 2012 NA 0 | | | or calcul | ations (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| YEAR 3 Old New | | | | | changes to | | | | | | |
| Oct 2012 - Sept. 2013 | NA | 48 427 033 | targets o | r calcul | ations (if any) | | | | | | |

| | ٦ | Target Target | | | | | | |
|--------------------------------------|---|---------------|----------------------------------|--|--|--|--|--|
| Explanation of assumptions and | | | | | | | | |
| inputs to target calculations YEAR 4 | Old | Now | lustification for aboness to | | | | | |
| | | New | Justification for changes to | | | | | |
| Oct 2013 - Sept. 2014 | NA | 104 707 099 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and | | | | | | | | |
| inputs to target calculations | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | Integration in the calculation of disbursements provided for under the works supervision | | | | |
| Oct 2014 - Sept. 2015 | NA | 130 883 874 | targets or calculations (if any) | contracts | | | | |
| Explanation of assumptions and | | | | | | | | |
| inputs to target calculations | | | | | | | | |
| Cible Post Compact | Non appl | icable | | | | | | |
| COMMENTS | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION | SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | |
| | | | | | | | | |

2.26. Indicator IWRM.26. Number of training sessions on land tenure security tools

| Common Indicator Number Level Pr Detailed Definition Co Frequency of Reporting O Disaggregations By By | ot Applicable rocess | Current I Classific | | IWRM.26 Cumulative | Version All Previous Ir | ndicator Numbers | N° 03 / Sept 2015 | | |
|--|---------------------------------|------------------------|---|---|-------------------------|--------------------------|---------------------------|--|--|
| Level Properties Prope | rocess ount the training ses | Classific | ation | Cumulative | | ndicator Numbers | 1/4/DM 4 22 / 1/4/DM 4 27 | | |
| Detailed Definition Conference Co | ount the training ses | | | | | | IWRM.22. / IWRM.27. | | |
| Frequency of Reporting Oisaggregations By | | sions on la | nd tenure security tools | | Unit of Measure* | | Number | | |
| Disaggregations By By | UARTERLY | | | s organized by DFRI through the consultant in charge of implementing land tenure security | | | | | |
| By | | | | Reporting Period Covered Compact Duration | | | | | |
| - | y gender (YES/NO) | | | NO | | | | | |
| Dy | y age (YES/NO) | | | NO | | | | | |
| | y income (YES/NO) | | | NO | | | | | |
| 3 | y locality (YES/NO) | | | NO | | | | | |
| NDICATOR JUSTIFICATION DETAILS | S | | | | | | | | |
| lustification for Including Indicator | | | | n on the number of training | sessions on land | tenure security tools or | ganized by DFRI | | |
| low does the indicator link to the Ef | | Not Appli | | | | | | | |
| low does the indicator link to the B | | Not Appli | | | | | | | |
| low does the indicator link to the im | npact evaluation? | Not Appli | | | | | | | |
| lustification for Disaggregations | | Not Appli | cable | | | | | | |
| NDICATOR ACQUISITION PLAN | | | | | | | | | |
| Entity Responsible for Collecting Da | | | Land and Institutional Reforms Directorate | | | | | | |
| Point of Contact Responsible for Co | | MCA: | Alain DIOUF Phone 221.77.333.15.72 E-mail adiouf@mcasenegal.org | | | | | | |
| Entity Responsible for the collection | of primary Data | | Consultant responsible for Land Tenure Security component LTS02 | | | | | | |
| Detailed description of data collection | on methodology (in | cluding | Use data from the land tenure security implementation contract | | | | | | |
| any calculations computed by source) | | | | | | | | | |
| f survey data, verbatim question(s) | • | | Not Applicable | | | | | | |
| Detailed description of how data is to MCA | ransmitted from so | urce to | The data is transmitted by the DFRI | | | | | | |
| requency and timing of data acquis | sition | | QUARTERLY | | | | | | |
| lames of verification sources | | | | Means of verification | | | | | |
| OFRI Report | | | | Training Sheets & Table of | indicators | | | | |
| mplementation Consultant's Report | | | Training session | | | | | | |
| PMU Irrigation Report | | | Table of indicators | | | | | | |
| ocation of Data Storage | | | Land and Institutional Reforms Directorate | | | | | | |
| NDICATOR DATA QUALITY | | | | | | | | | |
| Date of Data Quality Review | | | June 2013 | | | | | | |

| Main findings of data quality review | | | erage Score ut of 4) | Recommenda | itions | | IWRM.26 | | |
|--|--|------|---------------------------------------|-----------------|------------------|------------------------|------------------------|----------------|--|
| VALIDITY – Does the data clearly represer | t the desire | | · · · · · · · · · · · · · · · · · · · | N/A | | - | IVVNIVI.20 | | |
| results? | it tiro doon c | | 3,7 | | | | Validite | | |
| 2. RELIABILITY – Are the data collection production | edures sta | ole | 4,0 | N/A | N/A | | 4.0 | | |
| and consistent over time? | | | 4,0 | | | P | raticabilite 3.0 | Fiabilite | |
| | 3. TIMELINESS- Are the data current and frequently | | 3,5 | N/A | | | 2.0 | | |
| collected? 4. PRECISION – Does the data have an acceptable margin | | nin | · | N/A | | _ | 1.0 | | |
| 4. PRECISION – Does the data have all accellent | plable mar | JIII | 3,8 | IN/A | | | | | |
| 5. INTEGRITY- Is the data free from manipula | ation? | | 4,0 | N/A | | Ade | quation | Opportunite | |
| 6. APPROPRIATENESS – To what extent do | | ors | | N/A | | 11 | | / | |
| fully portray the results? | | | 4,0 | | | | \ | | |
| 7. PRACTICABILITY- Is the data current and | frequently | | 3,7 | N/A | | | Integrite Pred | cision | |
| collected? | collected? | | J, I | | | | | | |
| Overall assessment | | | 3,8 | | | | | | |
| Action taken in response to data quality review | | | t Applicable | | | | | | |
| Known data limitations and significance | | | t Applicable | | | | | | |
| Actions taken to address data limitations | | | t Applicable | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | |
| Old Baseline | | 0 | | | | 010 - 2011 | Source of old Baseline | DFRI Work Plan | |
| New Baseline | | 0 | New Baseline Year 2 | | 010 - 2011 | Source of New Baseline | DFRI Work Plan | | |
| Justification for Baseline Change (if any) | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | |
| | Tar | | | | | | | | |
| YEAR 1 | Old | New | | on for changes | | | | | |
| Oct 2010 - Sept. 2011 | 0 | 0 | targets or | calculations (i | if any) | | | | |
| Explanation of assumptions and inputs | | | | | | | | | |
| to target calculations YEAR 2 | Old | New | luctificati | on for changes | s to | | | | |
| Oct 2011 - Sept. 2012 | 0 | 0 | | calculations (i | | | | | |
| Explanation of assumptions and inputs | J | U | iai gcis oi | calculations (I | ii uiiy <i>)</i> | | | | |
| to target calculations | | | | | | | | | |
| YEAR 3 | Old | New | Justificati | on for changes | s to | | | | |
| Oct 2012 - Sept. 2013 | | | | calculations (i | | | | | |
| Explanation of assumptions and inputs | | | | , | | | | | |
| to target calculations | | | | | | | | | |
| YEAR 4 | Old | New | | | | | | | |

| | Tai | get | |
|--|------------|--------------|---|
| Oct 2013 - Sept. 2014 | 54 | 54 | Justification for changes to targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 72 | 72 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| COMMENTS | N.B. 4 too | s for at lea | ast 2 passages in 9 RC: mapping and GPS, Land Register, POAS and CDI, manual of procedures and others |
| SUPPLEMENTARY DOCUMENTATION FOR | R DETAILED | CALCUL | ATIONS (if required) |
| | | | · · · |
| | | | |

2.27. Indicator IWRM.27. Number of man/days of training on land tenure security tools

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|-------------------------------------|---|-----------|---|---|--|--------------------------------|--|--|--|--|
| Indicator Name | Number of man/days of t | raining c | n land tenure security tools | | Version | N° 03 / Sept 2015 | | | | |
| Common Indicator Number | Not Applicable | Curre | nt Indicator Number | IWRM.27 | All Previous Indicator Numbers | IWRM.28. | | | | |
| Level | Process | Class | ification | Cumulative | Unit of Measure* | Number | | | | |
| Detailed Definition | Number of man/days of t | raining c | n land tenure security tools | conducted by the Co | nsultant | | | | | |
| Frequency of Reporting | QUARTERLY | | | Reporting Period Covered Compact Duration | | | | | | |
| | By gender (YES/NO | O) | | YES (Male, | YES (Male, Female) | | | | | |
| Disaggragations | By age (YES/NO) | | | YES (<35 / | >35) | | | | | |
| Disaggregations | By income (YES/No | O) | | NO | | | | | | |
| | By locality (YES/NO | D) | | YES (Delta | / Podor) | | | | | |
| INDICATOR JUSTIFICATION DET | TAILS | | | | | | | | | |
| | | | | | n/days of training conducted by the Consu | | | | | |
| Justification for Including Indicat | tor | | | | x, age and locality, the number of days du | ring which he/she participated | | | | |
| | | | n the training session on land tenure security tools will be added. | | | | | | | |
| How does the indicator link to the | | Not App | | | | | | | | |
| How does the indicator link to the | | Not App | | | | | | | | |
| How does the indicator link to the | • | Not App | | | | | | | | |
| Justification for Disaggregations | | The dis | aggregation will be made by | locality (Delta / Pode | or), gender and age | | | | | |
| INDICATOR ACQUISITION PLAN | | | I | | | | | | | |
| Entity Responsible for Collecting | | | Land and Institutional Reforms Directorate | | | | | | | |
| Point of Contact Responsible for | | ICA: | | | | ouf@mcasenegal.org | | | | |
| Entity Responsible for the collect | | ., | Consultant responsible for the Land Tenure Security component LTS02 | | | | | | | |
| Detailed description of data colle | 0 3 \ | uding | Use the training reports of the Consultant in charge of implementing land tenure security | | | | | | | |
| any calculations computed by source | · | | Number of man/days = Number of people trained during a session X duration of session | | | | | | | |
| If survey data, verbatim question | • | | Not Applicable | | | | | | | |
| Detailed description of how data | is transmitted from sour | ce to | | | | | | | | |
| MCA | | | sheets | | | | | | | |
| Frequency and timing of data acc | quisition | | QUARTERLY | | | | | | | |
| Names of verification sources | | | | Means of verification | | | | | | |
| DFRI Report | | | | Training Sheets & Table of indicators | | | | | | |
| Implementation Consultant's Repor | t | | | Training Sheets & Table of indicators | | | | | | |
| PMU Irrigation Report | | | | Table of indicators | | | | | | |
| Location of Data Storage | | La | nd and Institutional Reform | s Directorate | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |

| Date of Data Quality Review | N | | | | N/A | | | | | |
|---|----------------------------|-------------------|-----------------------------------|---------------------------------|------------------------|-------------------|----------------|--|--|--|
| Main findings of data quali | ty review | | | Average Score (ou of 4) | Recommendations | | | | | |
| 1. VALIDITY – Does the | e data clearly represent | the desired resu | ılts? | 4,0 | N/A | | IWRM.27 | | | |
| 2. RELIABILITY – Are t time? | he data collection proce | dures stable and | d consistent over | 4,0 | N/A | | Validite | | | |
| 3. TIMELINESS- Are th | e data current and frequ | ently collected? | | 3,5 | N/A | 4.0 | | | | |
| | the data have an accept | | error? | 4,0 | N/A | Praticabilit | | | | |
| | ata free from manipulati | | | 4,0 | N/A | | 2.0 | | | |
| results? | S – To what extent do th | • | , , , | 4,0 | N/A | | 1.0 | | | |
| 7. PRACTICABILITY- IS | s the data current and fro | equently collecte | ed? | 3,7 | N/A | Adequation | Opportu | | | |
| Overall assessment | | | 3,8 | | In | tegrite Precision | | | | |
| Action taken in response to | o data quality review | | | Not Applicable | | | | | | |
| Known data limitations and | d significance | | | Not Applicable | | | | | | |
| Actions taken to address d | lata limitations | | | Not Applicable | | | | | | |
| INDICATOR BASELINE INF | ORMATION | | | | | | | | | |
| Old Baseline | 0 | Old Baseline | Year | 2011-2012 | Source of old Baseline | | Not Applicable | | | |
| New Baseline | 0 | New Baselin | e Year | 2011-2012 | Source of New Baseline | | DFRI Work Plan | | | |
| Justification for Baseline Change (if any) | New Indicator | | 1 | | | | | | | |
| INDICATOR TARGET CALC | CULATIONS | | | | | | | | | |
| | | Target | | | | | | | | |
| YEAR 1 Old New Justification fo | | | | | | | | | | |
| Oct 2010 - Sept. 2011 N/A N/A targets or calculation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 2 Oct 2011 - Sept. 2 | Old 2012 0 | New 0 | Justification for targets or calc | or changes to ulations (if any) | | | | | | |

| Explanation of assumptions and inputs | | | | | | | | |
|--|---|----------|----------------------------------|--|--|--|--|--|
| to target calculations | | | | | | | | |
| YEAR 3 | Old | New | Justification for changes to | | | | | |
| Oct 2012 - Sept. 2013 | 2 400 | 2 400 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | | |
| Oct 2013 - Sept. 2014 | 4 800 | 4 800 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | | |
| Oct 2014 - Sept. 2015 | 6 400 | 6 400 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | | |
| | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| COMMENTS | N.B.: The consultant will have to deliver six (6) training modules on the following themes: "Good land governance" (Manual of procedures, Organization and management techniques for farmer organizations, Conflict prevention and settlement) and "Mastering land tenure security tools" (Keeping and storage of property records; Data base, mapping and GPS; POAS and CDI) | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FO | R DETAILEI | O CALCUL | ATIONS (if required) | | | | | |

2.28. Indicator IWRM.29. Number of participants in the training modules on land tenure security tools

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|------------------------------------|-------------------------------|--|---|---|-------------------------|-------------------|-------------------------------------|--|--|--|
| Indicator Name | Number of participants in the | | re security tools | | Version | | N° 03 /Sept 2015 | | | |
| Common Indicator Number | | urrent Indicator Number | IWRM28. | | | Indicator Numb | bers New Indicator | | | |
| Level | | assification | Cumulative | | Unit of Measure* Number | | | | | |
| Detailed Definition | Number of participants in the | training modules on land tenu | | | | | | | | |
| Frequency of Reporting | QUARTERLY | | | Reporting Period Covered Compact Duration | | | | | | |
| Disaggregations | By gender (YES/NO) | | YES (Male, Female) | | | | | | | |
| | By age (YES/NO) | | YES (<35 / >35) | | | | | | | |
| | By income (YES/NO) | | NO | | | | | | | |
| | By locality (YES/NO) | | YES (Delta / P | odor) | | | | | | |
| INDICATOR JUSTIFICATION | | | | | | | | | | |
| Justification for Including In | dicator | | | | | | by locality in the training modules | | | |
| | | on land tenure security to | ools conducted by | the Consultant | t in charge of in | nplementation. | | | | |
| How does the indicator link to | | Not Applicable | | | | | | | | |
| How does the indicator link t | | Not Applicable | | | | | | | | |
| How does the indicator link to | | Not Applicable | gregated by gender, age and locality (Delta / Podor) | | | | | | | |
| Justification for Disaggregat | | The indicator will be disa | ggregated by gend | ler, age and lo | cality (Delta / F | 'odor) | | | | |
| INDICATOR ACQUISITION P | | | | | | | | | | |
| Entity Responsible for Collection | | Land and Institution | | | | T = T | | | | |
| Point of Contact Responsible | | | Phone | | 333.15.72 | E-mail | adiouf@mcasenegal.org_ | | | |
| Entity Responsible for the co | | | consible for Land Tenure Security LTS02 | | | | | | | |
| Detailed description of data | | | s of the Consultant in charge of land tenure security implementation ants = Number of people who effectively pursued module training. | | | | | | | |
| any calculations computed by | source) | | | | | d module training | g. | | | |
| If a more alaba week at me and a | -ti/-\d td | Training concern all | l local government | s of the project | t area (9 LG) | | | | | |
| If survey data, verbatim ques | | | Had by the Canavil | | | | | | | |
| Detailed description of how of MCA | data is transmitted from sou | reports and follow-u | smitted by the Consultant responsible for implementing land tenure security at the DFRI through | | | | | | | |
| Frequency and timing of data | a acquicition | QUARTERLY | ih zueerz | | | | | | | |
| Names of verification source | | QUARTERLY | | Means of ve | rification | | | | | |
| DFRI Report | 53 | | | | | ndicators | | | | |
| Implementation Consultant's R | Penort | | | Training Sheets & Table of indicators Training sessions | | | | | | |
| PMU Irrigation Report | | | | Table of indic | | | | | | |
| Location of Data Storage | | Land and Institutional Reforms Directorate | | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |
| Date of Data Quality Review | | | | N/A | | | | | | |
| | | | | I | | | | | | |

| Main findings of data quality review | ain findings of data quality review | | | | | | Recommendations | | | |
|--|---|-----------------|-----------------|-----------------|----------------------------|-----------|-----------------|--|--|--|
| 1. VALIDITY – Does the data clearly represent | t the desire | ed results? | | | (out of | 3,7 | N/A | | | |
| 2. RELIABILITY – Are the data collection proce | | | sistent over ti | me? | | 4,0 | N/A | | | |
| 3. TIMELINESS- Are the data current and freq | | | | | | 3,5 | N/A | IWRM.28 | | |
| 4. PRECISION – Does the data have an accept | | | ? | | | 3,8 | N/A |] | | |
| 5. INTEGRITY- Is the data free from manipular | | | | | 4,0 | N/A | Validite | | | |
| 6. APPROPRIATENESS – To what extent do | ors fully por | tray the result | s? | | 4,0 | N/A | 4.0 | | | |
| 7. PRACTICABILITY- Is the data current and f | requently o | collected? | | | | 3,7 | N/A | Praticabili 3.0 Fiabilite | | |
| Overall assessment | | | | | | 3,8 | | Adequatio 1.0 Opportuni te Integrite Precision | | |
| Action taken in response to data quality rev | view | | | | Not Ap | plicable | | | | |
| Known data limitations and significance | | | | | Not Ap | plicable | | | | |
| Actions taken to address data limitations | | | | | Not Applicable | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | | |
| Old Baseline 0 | | ld Baseline | | 2011 - 2 | O12 Source of old Baseline | | | FRI Directorate Work plan | | |
| New Baseline 0 | N | ew Baselir | ne Year | 2011 - 2 | 012 | Source of | of New Baseline | FRI Directorate Work plan | | |
| Justification for Baseline Change (if any) | N | ew Indicato | or | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | | |
| | | rget | | | | | | | | |
| YEAR 1 | Old | New | | n for changes | | | | | | |
| Oct 2010 - Sept. 2011 | N/A | N/A | targets or o | calculations (i | f any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 2 | YEAR 2 Old New Justification for change | | | | | | | | | |
| Oct 2011 - Sept. 2012 0 0 targets or calculations (| | | | | f any) | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 3 | Old New Justification for change | | | | | | | | | |
| Oct 2012 - Sept. 2013 | 600 | 600 | targets or o | calculations (i | f any) | | | | | |

| | Tar | get | |
|--|------------|----------|----------------------------------|
| Explanation of assumptions and inputs | | <u> </u> | |
| to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 1 200 | 1 200 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 1 600 | 1 600 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | R DETAILEI | CALCUL | LATIONS (if required) |
| | | | |

2.29. Indicator IWRM.29. Temporary employment generated in irrigation

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|--|-----------------------|------------|--|-----------|----------------|-----------|---|---|--|--|--|
| Indicator Name | Temporary emplo | yment gen | erated in irrigation | | | Vers | ion | | N° 03 / Sept 2015 | | |
| Common Indicator Number | (AI-5) | Current | Indicator Number | IWRM.2 | 29 | All F | revious Indica | ator Numbers | IWRM.30. | | |
| Level | Process | Classific | | Cumula | | | of Measure* | | Number | | |
| Detailed Definition | The number of pe | ople tempo | orarily employed or cont | racted by | y MCA-contra | acted con | struction compa | anies to work on o | construction of irrigation systems | | |
| Frequency of Reporting | QUARTERLY | | | | rting Period | Covered | l Compa | ct Duration | | | |
| Disaggregations | By gender (YES/N | 1O) | | YES | | | | | | | |
| | By age (YES/NO) | | | NO | | | | | | | |
| | By income (YES/N | NO) | | NO | | | | | | | |
| | By locality (YES/N | IO) | | YES (| (Delta / Ngale | enka) | | | | | |
| INDICATOR JUSTIFICATION DI | | | | | | | | | | | |
| Justification for Including Indic | | | | | | | | e construction of irrigation ance on Common Indicator, May 2012" | | | |
| How does the indicator link to t | the ERR? | | Not Applicable | | | | | | | | |
| How does the indicator link to t | | | Not Applicable | | | | | | | | |
| How does the indicator link to t | | ion? | Not Applicable | | | | | | | | |
| Justification for Disaggregation | 1S | | | | | | | | the contribution of firms contracted by | | |
| INDICATOR ACQUISITION REA | N/ | | the Program in creating jobs and especially, those directed at women. | | | | | | | | |
| INDICATOR ACQUISITION PLA Entity Responsible for Collection | | | Irrigation Project Directorate | | | | | | | | |
| Point of Contact Responsible for | | ata at | Cheikh T. SENE | lurate | Phone | 221 77 | 333.15.80 | E-mail | ctsene@mcasenegal.org | | |
| MCA: | or conecuing the b | ata at | CHEIKIT I. SEINE | | THORE | 221.77. | 333.13.00 | L-IIIaii | cisene@mcasenegal.org | | |
| Entity Responsible for the colle | ection of primary D | ata | Offices of Engineers in | | | | | | | | |
| Detailed description of data colling any calculations computed | uted by source) | 03 | Use employment forms of firms responsible for the construction of the different irrigation infrastructure lots. Each person (local and foreigner) is counted only once. Informal jobs generated by the construction works, are not taken into consideration. | | | | | | | | |
| If survey data, verbatim question | on(s) posed to resp | ondent | Not Applicable | | | | | | | | |
| Detailed description of how date | ta is transmitted fro | om | | | | | | lgalenka works sı | upervision at the Irrigation Directorate | | |
| source to MCA | | | through reports and d | ata shee | ts on the ten | nporary w | orkers | | | | |
| Frequency and timing of data a | cquisition | | QUARTERLY | | | | | | | | |
| Names of verification sources | | | | | | | Means of verification | | | | |
| Reports of Construction Firms | | | | | | | Monthly reports: ME sheet and data base | | | | |
| Reports of Consultants in charge | of Supervision | | | | | | Monthly reports | | | | |

| PMU-SAED Reports | | | | | Monthly reports: Table of indicators | | | | | |
|--|---|---------------|------------------------------|----------------------------|--------------------------------------|--------------------------------|---|--|--|--|
| Location of Data Storage | | | | | | Irrigation Project Directorate | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |
| Date of Data Quality Review | | | | | N/A | | | | | |
| Main findings of data quality review | | | | erage Score t of 4) | Recommendati | ions | IWRM.29 | | | |
| 1. VALIDITY – Does the data clearly represent t | VALIDITY – Does the data clearly represent the desired results? | | | | | | | | | |
| 2. RELIABILITY – Are the data collection proceed time? | dures stable and con | sistent over | | 3,4 | N/A | | Validite 4.0 | | | |
| 3. TIMELINESS- Are the data current and frequ | ently collected? | | | 4,0 | N/A | | Praticabilite Fiabilite | | | |
| 4. PRECISION – Does the data have an accept | |) | | 3,0 | N/A | | | | | |
| 5. INTEGRITY- Is the data free from manipulation | | | | 3,8 | N/A | | Adequation Opportuni | | | |
| 6. APPROPRIATENESS – To what extent do th | | tray the resu | lts? | 0,8 | N/A | | | | | |
| 7. PRACTICABILITY- Is the data current and free | equently collected? | - | | 3,7 | N/A | | Integrite Precision | | | |
| Overall assessment | | | | 3,2 | | | | | | |
| Action taken in response to data quality revi | ew | | | Applicable | | | | | | |
| Known data limitations and significance | | | | Applicable | | | | | | |
| Actions taken to address data limitations | | | Not a | Applicable | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | | |
| Old Baseline 0 | Old Baseline Ye | ar | 2011-2012 | Source of old Base | | ne | Work Plan of the Irrigation Directorate | | | |
| New Baseline 0 | New Baseline Ye | ear | 2011-2012 | 2012 Source of New Baselin | | | Work Plan of the Irrigation Directorate | | | |
| Justification for Baseline Change (if any) | New Indicator | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | | |
| | Target | | | | | | | | | |
| YEAR 1 | Old New | | on for chang | | | | | | | |
| Oct 2010 - Sept. 2011 | N/A N/A | targets or | calculations | s (if any) | | | | | | |
| Explanation of assumptions and inputs | | | | | | | | | | |
| to target calculations YEAR 2 | Old New | luctification | on for chang | gos to | | | | | | |
| Oct 2011 - Sept. 2012 | N/A N/A | | on for chang calculations | | | | | | | |
| Explanation of assumptions and inputs | 1 | Largots of | Jaioaiationi | ~ (ii aiiy) | | | | | | |
| to target calculations | | | | | | | | | | |
| YEAR 3 | Old New | | on for chang | | | | | | | |
| Oct 2012 - Sept. 2013 | N/A N/A | targets or | calculations | s (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |

| | Tar | get | | | | | | |
|---------------------------------------|---|-----|----------------------------------|--|--|--|--|--|
| YEAR 4 | Old | New | Justification for changes to | | | | | |
| Oct 2013 - Sept. 2014 | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | | |
| Oct 2014 - Sept. 2015 | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | | |
| | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| COMMENTS | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | |
| | | | | | | | | |

2.30. Indicator IWRM.30. Number of land management committees and commissions set up or improved upon

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|---|-----------------------|------------|--|---|-----------------------|--------------------------------|--------------|-----------------|---------------------|--|--|
| Indicator Name | Number of land ma | anagemer | nt committees and | commissions set u | p or | Version | | N° | 03 / Sept 2015 | | |
| | improved upon. | | | 111/514.00 | | | | | D14.00 / 114/D14.04 | | |
| Common Indicator Number | Not Applicable | | t Indicator Number | | | All Previous Indicator Numbers | | | RM.23. / IWRM.31. | | |
| Level | Output | Classif | | Cumulativ | | Unit of Measure* | | | mber | | |
| Detailed Definition | | or technic | ai committees in si | | | ty and dispute mediation | | set up by prefe | ectural order | | |
| Frequency of Reporting | QUARTERLY | 2) | | Reporting | Period | Covered Compa | act Duration | | | | |
| Disaggregations | By gender (YES/No | J) | | NO | | | | | | | |
| | By age (YES/NO) | | | NO | | | | | | | |
| | By income (YES/N | 0) | | NO | | | | | | | |
| | By locality (YES/NO | D) | | NO | | | | | | | |
| INDICATOR JUSTIFICATION DE | TAILS | | | | | | | | | | |
| Justification for Including Indic | ator | | Communities to fa | echnical committees in support of land tenure security and dispute mediation commissions are set up in the different Local communities to facilitate the implementation of land tenure security activities. These committees take a very active part in raining and mediation activities but especially in the allocation of land in their local communities. | | | | | | | |
| How does the indicator link to t | he ERR? | | Not Applicable | | | | | | | | |
| How does the indicator link to t | he BA? | | Not Applicable | | | | | | | | |
| How does the indicator link to t | he impact evaluatio | n? | Not Applicable | | | | | | | | |
| Justification for Disaggregation | ns | | Not Applicable | | | | | | | | |
| INDICATOR ACQUISITION PLAN | V | | | | | | | | | | |
| Entity Responsible for Collecting | ng Data at MCA | | Land and Institu | itional Reforms Dir | ectorate | | | | | | |
| Point of Contact Responsible for MCA: | or Collecting the Da | ta at | Alain DIOUF | Phone | | 221.77.333.15.72 | E-mail | adiouf@mca | senegal.org | | |
| Entity Responsible for the colle | ction of primary Da | ta | Consultant in ch | arge of the land T | enure Se | curity Component LTS02 |) | | | | |
| Detailed description of data col | | у | Count the number of committees and commissions supported by the consultant in charge of implementing land tenure | | | | | | | | |
| (including any calculations compu | | | | rigation Project zo | ne | | | | - - | | |
| If survey data, verbatim question | n(s) posed to respo | ndent | Not Applicable | | | | | | | | |
| Detailed description of how dat source to MCA | a is transmitted fro | n | The data is tran | The data is transmitted by the Consultant responsible for implementing land tenure security through the DFRI form | | | | | | | |
| Frequency and timing of data a | cquisition | | | | ANNUAL | | | | | | |
| Names of verification sources | | | | | Means of verification | | | | | | |
| Report of the consultant in charge | e of implementing lar | d tenure: | security | | Pre | fectural Order | | | | | |

| PMU Irrigation Reports | | | | | | | Table of indicators | | | | | |
|--|--|-------------|--------------------------|-----------------------|-----------------------|--------------------|----------------------|---------------------------------------|--|--|--|--|
| DFRI Report | | | | | | | Table of indicators | | | | | |
| Location of Data Storage | | | Land | d and Institu | utional Reforms Dire | ectora | nte | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | | | |
| Date of Data Quality Review | | | | | | N | I/A | | | | | |
| Main findings of data quality | | | Average Score (out of 3) | R | ecommendations | | | | | | | |
| | VALIDITY – Does the data clearly represent the desired results? | | | | | | N/A | IWRM.30 | | | | |
| 2. RELIABILITY – Are the data time? | 2. RELIABILITY – Are the data collection procedures stable and consistent over | | | | | | N/A | Validite | | | | |
| 3. TIMELINESS- Are the data of | current and frequ | ently colle | cted? | | 4,0 | | N/A | 4.0 | | | | |
| 4. PRECISION – Does the data | | | in of error? | | 4,0 | | N/A | Praticabilite 2.0 Fiabilite | | | | |
| 5. INTEGRITY- Is the data free | e from manipulati | on? | | | 4,0 | | N/A | 1.0 | | | | |
| 6. APPROPRIATENESS – To results? | | | | ay the | 4,0 | | N/A | Adequation Opportunite | | | | |
| 7. PRACTICABILITY- Is the da | ita current and fre | equently co | ollected? | | 4,0 | | N/A | | | | | |
| Overall assessment | | | | | 3,9 | | | Integrite Precision | | | | |
| Action taken in response to o | data quality revi | iew | | | Not Applicable | | | | | | | |
| Known data limitations and s | 0 | | | | Not Applicable | 11 | | | | | | |
| Actions taken to address dat | | | | | Not Applicable | Not Applicable | | | | | | |
| INDICATOR BASELINE INFO | RMATION | | | | | | | | | | | |
| Old Baseline | 0 | Old Ba | aseline Yea | ır | 2010-2011 | Sou | rce of old Baseline | Compact, initial source not available | | | | |
| New Baseline | 0 | New B | aseline Ye | ar | 2010-2011 | Sou | irce of New Baseline | Work Plan of the FRI Directorate | | | | |
| Justification for Baseline Cha | ange (if any) | | | | | | | | | | | |
| INDICATOR TARGET CALCU | LATIONS | | | | | | | | | | | |
| | | | get | | | | | | | | | |
| YEAR 1 | | Old | New | | | ion for changes to | | | | | | |
| | | | | r calculations (if ar | ıy) | | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | | |
| | | | | ion for changes to | | | | | | | | |
| Oct 2011 - Sept. 20 | 012 | 9 | 9 | targets o | r calculations (if ar | ıy) | | | | | | |

| Explanation of assumptions and inputs | | | | | | | | |
|---------------------------------------|---|-----|----------------------------------|--|--|--|--|--|
| to target calculations | | | | | | | | |
| YEAR 3 | Old | New | Justification for changes to | | | | | |
| Oct 2012 - Sept. 2013 | 9 | 9 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | | |
| Oct 2013 - Sept. 2014 | 9 | 9 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| YEAR 5 | Old | New | _ Justification for changes to | | | | | |
| Oct 2014 - Sept. 2015 | 9 | 9 | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | | | | | |
| | N/A | N/A | targets or calculations (if any) | | | | | |
| Explanation of assumptions and inputs | | | | | | | | |
| to target calculations | | | | | | | | |
| COMMENTS | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR | SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | |
| | | | | | | | | |

Roads Rehabilitation Project

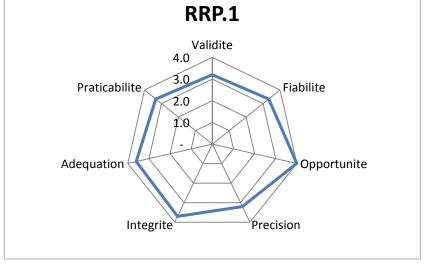
3. Performance indicators and targets of the Roads Rehabilitation Project

3.1. Indicator RRP.1. Average annual daily traffic (AADT) Richard-Toll – Ndioum

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|--|---|--|---------------------|------------------------------|-----------------------|----------------------------|--------------------------------|--|--|--|--|
| Indicator Name | Average ann | ual daily traffic (AADT) R | ichard-Toll – Ndi | oum | Version | | N° 03 / Sept 2015 | | | | |
| Common Indicator Number | R-10 | Current Indicator N | umber | RRP.1. | All Previous Inc | licator Numbers | RRP.1. | | | | |
| Level | Outcome | Classification | | Level | Unit of Measure | * | Number | | | | |
| Detailed Definition | The average nuaverage | rage number and type of vehicles per day, averaged over different times (day and night) and over different seasons to arrive at an annualized daily | | | | | | | | | |
| Frequency of Reporting | Twice (co | Fwice (commencement and end of Compact) Reporting Period Covered Compact Duration | | | | | | | | | |
| | | (YES/NO) | 1 , | NO | - | ' | | | | | |
| Diagramantiana | By age (Y | ES/NO) | | NO | | | | | | | |
| Disaggregations | By income | (YES/NO) | | NO | | | | | | | |
| | By locality | (YES/NO) | | NO | | | | | | | |
| INDICATOR JUSTIFICATION DETAI | | | | | | | | | | | |
| Justification for Including Indicator | this Northern | RN2 Richard Toll - Ndioum (around 120 km) and the Ndioum Bridge will be built by the Compact. The rehabilitation of this stretch will impact on traffic in this Northern part of Senegal by facilitating travelling to the Region of Matam but also to the other parts of the Republic of Mauritania and that of Mali. | | | | | | | | | |
| How does the indicator link to the | | The increase in traffic on this road will help reduce the costs and duration of travels and promote the transportation and export of products from the | | | | | | | | | |
| ERR? | | U U | | Republics of Mauritania and | | | | | | | |
| How does the indicator link to the | The rehabilitated RN2 Richard Toll - Ndioum (around 120 km) and Ndioum Bridge will benefit about 21, 000 households or 251,000 people in year 20. About 9,290 households, i.e. 111,500 people currently live within a radius of 5km on either side of RN#2. The rehabilitation of this road will help increase | | | | | | | | | | |
| BA? | trade but also reduce the costs and duration of travels and daily consumption by 7% for people with less than \$2 a day, by 10% for those having between | | | | | | | | | | |
| DA: | | nd by 20% for those with i | | and daily consumption by 7 | 70 for people with | cos man 42 a day, by 10 | 70 for those having between | | | | |
| How does the indicator link to the | | | | e-works period and post-wo | rks period. The cos | st and duration of travels | and the trade in agricultural | | | | |
| impact evaluation? | products will | oe affected, as will acces | s to basic social : | services for the populations | living within a radiu | ıs of less than 5 kilomete | rs on either side of the road. | | | | |
| Justification for Disaggregations | Not Applicabl | е | | | - | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | | |
| Entity Responsible for Collecting D | ata at MCA F | Roads Rehabilitation Proje | ect Directorate | | | | | | | | |
| Point of Contact Responsible for Contact at MCA: | ollecting the | Abdoulaye SYLLA | Phone | 77.740.66.72 | E-mail | asylla@r | ncasenegal.org | | | | |
| Entity Responsible for the collection Data | . , | | | selected by MCA-S (2015) | | | | | | | |
| Detailed description of data collect | | The indicator will be collected during the collection campaign of representative week in the month at the counting stations selected rationally | | | | | | | | | |
| methodology (including any calculati | | based on whether there is local traffic or not. The count should distinguish between passenger traffic and cargo traffic and take into account the different silboustes considered in the CNCE conducted by ACEPOLITE. An estimation of potential induced traffic (generated and | | | | | | | | | |
| computed by source) | | the different silhouettes considered in the CNCE conducted by AGEROUTE. An estimation of potential induced traffic (generated and diverted) may be made by using statistical data (available at ANSD), the analysis of competing routes and the development programs planned | | | | | | | | | |
| computed by source) | | for this zone. | | | | | | | | | |
| | 11 | JI HIIJ ZUHO. | | | | | | | | | |

| | he count is done on each post, by teams of three to four people with at least a 12th grade level of education, working in shifts throughout the ay and using a count form designed and tested beforehand. Team members will be selected after prior training and full-scale tests. | | | | | | | | |
|---|--|---|--|--|--|--|--|--|--|
| Tr | he calculation formula applied is : $T_{ij}^{ajust\acute{e}s} = a + b \cdot T_{ij}^{observ\acute{e}s}$ | | | | | | | | |
| Τ _{ij} | being the traffic between | en the origin i and the destination ja | nd a, b being calibration constants | | | | | | |
| If survey data, verbatim question(s) posed to Th | ne indicator will be colle | cted in the field through manual coun | nting with no respondents. The data is collected per vehicle type and by traffic | | | | | | |
| respondent ho | ur. | - | | | | | | | |
| Detailed description of how data is transmitted Da | ata is transmitted in the | form of data bases and analysis repo | ort presenting the results for the concerned section | | | | | | |
| from source to MCA | | | | | | | | | |
| Frequency and timing of data acquisition Date | ata will be obtained twic | ce: at the commencement and at the | end of the Compact. | | | | | | |
| Names of verification sources | | | Means of verification : | | | | | | |
| National Road Traffic Counting Campaign and Origin / I | Destination Survey/ AG | EROUTE | Data base, analysis report, cross-tabulations | | | | | | |
| Counting and Origin / Destination Survey in 2015 | | Data base, analysis report, cross-tabulations | | | | | | | |
| Location of Data Storage | | | AGEROUTE and MCA-Senegal | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | |
| Date of Data Quality Review | | November 2014 | | | | | | | |
| Main findings of data quality review | Average Score (out of 4) | Recommendations | RRP.1 | | | | | | |
| 1. VALIDITY – Does the data clearly represent the desirresults? | red 3,2 | Ensure time consistency of estimation methods; Take | Validite | | | | | | |
| | | nocturnal counting into account | 4.0 | | | | | | |
| 2. RELIABILITY – Are the data collection procedures stand consistent over time? | able 3,3 | N/A | Praticabilite 3.0 Fiabilite | | | | | | |
| 3 TIMELINESS. Are the data current and frequently | | N/Δ | 2.0 | | | | | | |

| Main findings of data quality review | (out of 4) | Recommendations |
|--|--------------------|---|
| VALIDITY – Does the data clearly represent the desired results? | 3,2 | Ensure time consistency of estimation methods; Take nocturnal counting into account |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 3,3 | N/A |
| 3. TIMELINESS- Are the data current and frequently collected? | 4,0 | N/A |
| 4. PRECISION – Does the data have an acceptable margin of error? | 3,2 | N/A |
| 5. INTEGRITY- Is the data free from manipulation? | 3,7 | N/A |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 3,6 | N/A |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 3,3 | N/A |
| Overall assessment | 3,5 | |
| Action taken in response to data quality review Collect | tion procedure cla | rified and harmonized with ACEDOLIT |



| Action taken in response to data quality review | - Collection procedure clarified and harmonized with AGEROUTE and incorporating nocturnal counting |
|---|--|
| Known data limitations and significance | - The key limitation concerns the clarification of data in the light of the daily, weekly, monthly and seasonal variability of data |
| Actions taken to address data limitations | The monthly variability constraint that will be lifted on the assumption that during the month, the weeks and days reoccur in exactly the same way. The seasonal variability constraint will be lifted by integrating an extra-seasonal factor based on fuel consumption (super and diesel). |

| INDICATOR BASELINE INFORM | IATION | | | | | | |
|---------------------------------------|---------------------------|---------------|---------------|---------------------|---------------|-------------------|--|
| Old Baseline | 1029 | Old Baseli | ne Year | 2011 - 2012 | Source of o | old Baseline | Results Survey on Traffic and Origin—Destination—AGEROUTE, Sept. 2012: Report CNCE Surveys and O/D Surveys AGEROUTE 2012 |
| New Baseline | 1 029 | New Basel | line Year | 2011 - 2012 | Source of I | New Baseline | Results Survey on Traffic and Origin—Destination—AGEROUTE, Sept. 2012: Report CNCE Surveys and O/D Surveys AGEROUTE 2012 |
| Justification for Baseline Chang | ge (if any) | The Count | and O/D Sur | vey was finally co | nducted by A | AGEROUTE in 2 | 2012 at sections of RNRN2 and RNRN6. |
| INDICATOR TARGET CALCULA | TIONS | | | | | | |
| | Т | arget | | | | | |
| YEAR 1 | Old | New | Justification | on for changes to | The ann | nual survey sche | eduled by AGEROUTE in 2010-2011 did not take place. |
| Oct 2010 - Sept. 2011 | N/A | N/A | targets or | calculations (if ar | ny) | | |
| Explanation of assumptions and | t | | | | | | |
| inputs to target calculations | | | | | | | |
| YEAR 2 | Old | New | | | The sur | vey conducted f | from 24 to 29 September 2012 by AGEROUTE for this stretch with post N° 621 |
| | | | Justification | on for changes to | situated | at the exit of Da | agana gives an AADT of 1029 vehicles/day. Source: Mid-term report. National |
| Oct 2011 - Sept. 2012 | 1 029 | 1 029 | targets or | calculations (if ar | ny) Road Co | ount and Origin | / Destination Survey Campaign on all the classified road networks of Senegal, |
| · · | | | | | January | 2013. Refer To | o Results Survey on Traffic and Origin – Destination – AGEROUTE, Sept. 2012 |
| Explanation of assumptions and | t | | | | | | |
| inputs to target calculations | | | | | | | |
| YEAR 3 | Old | New | Justification | on for changes to | AGERO | OUTE will now co | onduct annual surveys but the roads being rehabilitated with MCC funds will not |
| Oct 2012 - Sept. 2013 | N/A | N/A | targets or | calculations (if ar | ny) be inclu | ded | |
| Explanation of assumptions and | t | | | | | | |
| inputs to target calculations | | | | | | | |
| YEAR 4 | Old | New | Justification | on for changes to | AGERO | OUTE will now c | conduct annual surveys but the roads being rehabilitated with MCC funds will |
| Oct 2013 - Sept. 2014 | N/A | N/A | targets or | calculations (if ar | ny) not be ir | ncluded | , , , |
| Explanation of assumptions and | t | • | | - | | | |
| inputs to target calculations | | | | | | | |
| YEAR 5 | Old | New | Justification | on for changes to | The sur | vey in year 5 wil | Il be conducted by MCA-S according to the same methodology as the one used |
| Oct 2014 - Sept. 2015 | 1 140 | 1 116 | targets or | calculations (if ar | ny) by AGE | ROUTE in 2012 | 2. Updated target based on 3.5% growth rate from the measured 2012 value. |
| Explanation of assumptions and | t | | | | | | |
| inputs to target calculations | | | | | | | |
| Long Term Target | Old | New | Justification | on for changes to | Based o | n ERR estimati | on, 2015 |
| | N/A | 2029 | targets or | calculations (if ar | ny) | | |
| Explanation of assumptions and | b | | | | | | |
| inputs to target calculations | | | | | | | |
| COMMENTS | | | | | | | |
| SUPPLEMENTARY DOCUMENT | ATION FO | R DETAILEI | O CALCULA | TIONS (if require | <u>d)</u> | | |
| Rapport à mi-parcours de la CNC | E e <mark>t Enqu</mark> ê | tes O/D AGE | ROUTE, Jar | nvier 2013 | | | |
| Rapport Technique d'orientation V | ersion Fina | ale de la CNO | CE de l'AGE | ROUTE, avril 2012 | <u>)</u> | | |

RN2 Model [to be provided by MCC]

3.2. Indicator RRP.2. Average annual daily traffic (AADT) Ziguinchor – Tanaff

| INDICATOR BASIC DETAILS | | | | | | | | | |
|--|---|---|-----------------|-------------------------------|------------------|-------------------------------|--|--|--|
| Indicator Name | Average annu | al daily traffic (AADT) Ziguino | hor – Tanaff | Version | | N° 03 / Sept 2015 | | | |
| Common Indicator Number | (R-10) | Current Indic | | RRP.2 | All Prev | ious Indicator Numbers | RRP.2. | | |
| Level | Outcome | Classification | 1 | Level | Unit of N | Measure | Number | | |
| Detailed Definition | The average nur average | nber and type of vehicles per | day, averaged | d over different times (day a | and night) and c | ver different seasons to arri | ve at an annualized daily | | |
| Frequency of Reporting | ANNUAL | | | Reporting P | eriod Covered | Compact Duration | | | |
| | By gender | (YES/NO) | | NO | | | | | |
| Disaggragations | By age (YE | S/NO) | | NO | | | | | |
| Disaggregations | By income | (YES/NO) | | NO | | | | | |
| | By locality | (YES/NO) | | NO | | | | | |
| INDICATOR JUSTIFICATION DE | | | | | | | | | |
| Justification for Including Indicator | Senegal by fac strategic road t having to go th | Lot 1 of RN6 Ziguinchor - Tanaff (116 km) will be rehabilitated by the Compact. The rehabilitation of this section will impact on traffic in this Southern part of Senegal by facilitating travelling to the Regions of Ziguinchor and Sedhiou and promoting trade with the Republics of Guinea and Guinea Bissau. RN#6 is also a strategic road that facilitates the transportation of local agricultural products and other goods and services from Casamance to other Senegalese cities, without having to go through Gambia. RN#6 is the only national land access to and from Casamance. | | | | | | | |
| How does the indicator link to the ERR? | | | | | | | of local agricultural products nly national land access to and | | |
| How does the indicator link to the BA? | 20. About 44,0 trade but also rand \$4 and by | The rehabilitation of RN6 Ziguinchor - Kounkané (around 256 km) and of the Kolda Bridge will benefit close to 120,000 households or 1,277,000 people in year 20. About 44,000 households, i.e. 474,000 people currently live within a radius of 5km on either side of RN#6. The rehabilitation of this road will help increase trade but also reduce the costs and duration of travels and daily consumption by 75% for people with less than \$2 a day, by 21% for those having between \$2 and \$4 and by 4% for those with more than \$4. | | | | | | | |
| How does the indicator link to | | ill show the traffic trends between | | | | | | | |
| the impact evaluation? | | e affected, as will access to b | asic social ser | vices for the populations liv | ing within a rad | ius of less than 5 kilometers | on either side of the road. | | |
| Justification for | Not Applicable | | | | | | | | |
| Disaggregations | | | | | | | | | |
| INDICATOR ACQUISITION PLA | | | | | | | | | |
| Entity Responsible for Collecti | Roads Rehabilitation F | Project Directo | rate | | | | | | |
| Point of Contact Responsible f the Data at MCA: | or Collecting | Abdoulaye SYLLA | Phone | 77.740.66.72 | E-mail | asylla@mo | casenegal.org | | |
| Entity Responsible for the colle primary Data | ection of | AGEROUTE (2012) and Co | nsultant to be | selected by MCA-S (2015) | | | | | |

| Detailed description of data collection methodology (including any calculations computed by source) | The indicator will be collected during the collecting campaigns of a representative week at the counting stations chosen rationally because of the presence or otherwise of local traffic. In fact, closer to urban centers, because of the risk involved in counting local domestic traffic, there a tendency to over-estimate the exchange traffic on this section. Further from the urban centers, because of the dwindling local traffic, the tendency is to under-estimate. Besides, the monthly variability constraint that will be lifted on the assumption that during the month, the week and days reoccur in exactly the same way. The seasonal variability constraint will be lifted by integrating an extra-seasonal factor based on further consumption (super and diesel). | | | | | | | |
|---|---|---|--|--|--|--|--|--|
| respondent | The indicator will be collected at the end of the field survey by manual counting, and thus with no respondent. The data is collected by type of vehicle and the time of day. | | | | | | | |
| Detailed description of how data is transmitted from source to MCA | The indicator will be collected during the collection campaign of representative week in the month at the counting stations selected rationally based on whether there is local traffic or not. The count should distinguish between passenger traffic and cargo traffic and take into account the different silhouettes considered in the CNCE conducted by AGEROUTE. An estimation of potential induced traffic (generated and derivative) may be made by using statistical data (available at ANSD), the analysis of competing routes and the development programs planned for this zone. The count is done on each post, by teams of three to four people with at least a 12th grade level of education, working in shifts throughout the day and using a count form designed and tested beforehand. Team members will be selected after prior training and a full-scale tests. $T_{ij}^{ajust\acute{e}s} = a + b \cdot T_{ij}^{observ\acute{e}s}$ The calculation formula applied is: $T_{ij}^{ajust\acute{e}s} = a + b \cdot T_{ij}^{observ\acute{e}s}$ The traffic between the origin i and the destination j and a, b being calibration constants | | | | | | | |
| | | | n March of that year for the traffic data of the preceding year. | | | | | |
| Names of verification sources | | | Means of verification | | | | | |
| National Road Traffic Counting Campaign and Origin | n / Destination Surve | // AGEROUTE | Data base, analysis report, cross-tabulations | | | | | |
| Counting and Origin / Destination Survey in 2015 | _ | Data base, analysis report, cross-tabulations | | | | | | |
| | AGEROUTE and MC | A-Senegal | , , , , | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | |
| Date of Data Quality Review | | June 2013 | | | | | | |
| Main findings of data quality review | Average Score (out of 4) | Recommendations | RRP.2 | | | | | |
| 1. VALIDITY – Does the data clearly represent the desired results? | 3,2 | Ensure time consistency of estimation methods; Take nocturnal counting into account | Validite 4.0 | | | | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 3,3 | N/A | Praticabilite Fiabilite | | | | | |
| 3. TIMELINESS- Are the data current and frequently collected? | 4,0 | N/A | Adequation Opportunite Integrite Precision | | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | 3,2 | N/A | integrite Frecision | | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 3,7 | N/A | | | | | | |

| 6. APPROPR the indicators fully | RIATENESS – To v | | tent do | 3,0 | N/A | | | | |
|---------------------------------------|--|----------|---|------------|--|--------|-----------------------------------|--------|--|
| | ABILITY- Is the da | | ent and | 3,3 | N/A | | | | |
| Overall assessme | | | | 3,4 | | | | | |
| Action taken in re | | uality | review | | rocedure clarified and | l harm | nonized with AGEROU | JTF a | and incorporating nocturnal counting |
| Known data limita | | | | | | | | | the daily, weekly, monthly and seasonal variability of data |
| Actions taken to a | address data limi | itations | 5 | | | | | | otion that during the month, the weeks and days reoccur in exactly the grating an extra-seasonal factor based on fuel consumption (super and |
| INDICATOR BASE | ELINE INFORMAT | TION | | | | | | | |
| Old Baseline | 181 | | Old Base | line Year | 2011 - 2012 | Sou | Source of old Baseline | | Refer To Results Survey on Traffic and Origin – Destination – AGEROUTE, Sept. 2012 : Report CNCE Surveys and O/D Surveys AGEROUTE 2012 |
| New Baseline | 571 | | | eline Year | 2007 | | rce of New Baseline | | Due Diligence study (2008) |
| | Baseline Chang any) | e (if | | | RR on the basis of the about the 2012 AGER | | nal Due Diligence stud E study | dy (20 | 008) |
| INDICATOR TARG | <mark>GET CALCULATION SET CALCULATI</mark> | ONS | | | | | | | |
| | | | Target | | | | | | |
| YEAF | | Old | | | tion for changes to | | The annual survey so | ched | duled by AGEROUTE in 2010-2011 did not take place. |
| Oct 2010 - S | | N/A | N/A | targets o | r calculations (if any | y) | | | |
| Explanation of as | | | | | | | | | |
| inputs to target ca | | 01.1 | 1 | | | | Τ | | |
| YEAR | R 2 | Old | Nev | | tion for abonded to | | Observations on the | rood | A pleased the 2012 study in doubt. ACEDOLITE was unable to provide any |
| Oct 2011 - Sept. 2012 181 571 | | | Justification for changes to targets or calculations (if any) | | Observations on the road placed the 2012 study in doubt, AGEROUTE was unable to provide any details on how the study was done (who was sent, length of counts, methodology, etc.). Reverting to due diligence counts as last reliable count. | | | | |
| Explanation of as | sumptions and | | • | • | | | · · · | | |
| inputs to target ca | alculations | | | | | | | | |
| YEAF | | Old | | | tion for changes to | | A traffic count surve | y is i | not planned for 2013 |
| Oct 2012 - S | | N/A | N/A | targets o | r calculations (if any | y) | | | |
| Explanation of assinputs to target ca | | | | | | | | | |
| YEAF | | Old | | | tion for changes to | | A traffic count surve | y is ı | not planned for 2014 |
| Oct 2013 - S | Sept. 2014 | N/A | N/A | targets o | r calculations (if any | y) | | | |

| Explanation of assumptions and inputs to target calculations | | | | | | | |
|---|------------------|-------------|--|---|--|--|--|
| YEAR 5 | Old | New | Justification for changes to | LIDMA modeled predictions | | | |
| Oct 2014 - Sept. 2015 | 680 | 963 | targets or calculations (if any) | HDM4 modeled predictions | | | |
| Explanation of assumptions and | | | - | | | | |
| inputs to target calculations | | | | | | | |
| Long Term Target | Old | New | Justification for changes to | HDM4 modeled predictions | | | |
| | N/A | 1501 | targets or calculations (if any) | | | | |
| Explanation of assumptions and | | | - | | | | |
| inputs to target calculations | | | | | | | |
| COMMENTS | MCC and | MCA are | considering the implications of the lo | w traffic counts and delays in road project for end-of-compact targets, but have not set new targets as | | | |
| COIVIIVIENTS | of this M&E Plan | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | |
| Rapport Technique d'orientation Ver | sion Finale | e de la CNO | CE de l'AGEROUTE, avril 2012 | | | | |

Rapport à mi-parcours de la CNCE et Enquêtes O/D AGEROUTE, Janvier 2013

3.3. Indicator RRP.3. Average annual daily traffic (AADT) Tanaff - Kolda

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|---|--------------------|---|----------------------------------|-------------------------|---------------------------|---------------------|-------------------------------|--|--|--|--|
| Indicator Name | Averag | ge annual daily tra | iffic (AADT) Tanaff - Kolda | | Version | | N° 03 / Sept 2015 | | | | |
| Common Indicator Number | (R-1 | 10) | Current Indicator Number | RRP.3. | All Previous Ind | RRP.3. | | | | | |
| Level | Out | come | Classification | Level | Unit of Measure | | Number | | | | |
| Detailed Definition | The average | The average number and type of vehicles per day, averaged over different times (day and night) and over different seasons to arrive at an annualized daily | | | | | | | | | |
| Frequency of Reporting | | NUAL | | Reporting Pe | riod Covered Com | pact Duration | | | | | |
| | Вус | gender (YES/NO) | | NO | <u>'</u> | | | | | | |
| D | | age (YES/NO) | | NO | | | | | | | |
| Disaggregations | | ncome (YES/NO) | | NO | | | | | | | |
| | | ocality (YES/NO) | | NO | | | | | | | |
| INDICATOR JUSTIFICATION DETAIL | | 7. | | | | | | | | | |
| Justification for Including Indicator | Southern Republics | Lot 2 of RN6 Tanaff - Kolda (72 km) and the Kolda Bridge will be rehabilitated by the Compact. The rehabilitation of this section will impact on traffic in this Southern part of Senegal by facilitating travelling to the Region of Ziguinchor and Sedhiou and within the City of Kolda. It will also foster trade with the Republics of Guinea and Guinea Bissau. RN#6 is also a strategic road that facilitates the transportation of local agricultural products and other goods and services from Casamance to other cities of Senegal, without having to go through Gambia. RN#6 is the only national land access to and from Casamance. | | | | | | | | | |
| How does the indicator link to the ERR? | and other | The increase in traffic on this section will help reduce the cost and duration of travels and promote the transportation and export of local agricultural products and other goods and services from Casamance to other Senegalese cities, without having to go through Gambia. RN#6 is the only national land access to and from Casamance. | | | | | | | | | |
| How does the indicator link to the BA? | year 20. increase | The rehabilitation of RN6 Ziguinchor - Kounkané (around 256 km) and of the Kolda Bridge will benefit close to 120,000 households or 1,277,000 people in year 20. About 44,000 households, i.e. 474,000 people currently live within a radius of 5km on either side of RN#2. The rehabilitation of this road will help ncrease trade but also reduce the costs and duration of travels and daily consumption by 75% for people with less than \$2 a day, by 21% for those having between \$2 and \$4 and by 4% for those with more than \$4. | | | | | | | | | |
| How does the indicator link to the | The indic | ator will show the | traffic trends between the pre-v | vorks period and post-w | orks period. The cost and | duration of travels | and the trade in agricultural | | | | |
| impact evaluation? | products | products will be affected, as will access to basic social services for the populations living within a radius of less than 5 kilometers on either side of the road. | | | | | | | | | |
| Justification for Disaggregations | Not Appli | Not Applicable | | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | | |
| Entity Responsible for Collecting D MCA | ata at | Direction R | Roads Rehabilitation Project | | | | | | | | |
| Point of Contact Responsible for C the Data at MCA: | ollecting | Abdoulaye | SYLLA | Phone | 77.740.66.72 | E-mail | asylla@mcasenegal.org | | | | |
| Entity Responsible for the collectic primary Data | n of | AGEROUTE (2012) and the Consultant selected by MCA-S (2015) | | | | | | | | | |

| Detailed description of data collection methodology (including any calculations computed by source) | based on w different silf be made by The count is day and usi The calcula T _{ii} being the | The indicator will be collected during the collection campaign of representative week in the month at the counting stations selected rationally based on whether there is local traffic or not. The count should distinguish between passenger traffic and cargo traffic and take into account the different silhouettes considered in the CNCE conducted by AGEROUTE. An estimation of potential induced traffic (generated and derivative) make made by using statistical data (available at ANSD), the analysis of competing routes and the development programs planned for this zone. The count is done on each post, by teams of three to four people with at least a 12th grade level of education, working in shifts throughout the day and using a count form designed and tested beforehand. Team members will be selected after prior training and full-scale tests. $T_{ij}^{ajustés} = a + b \cdot T_{ij}^{observés}$ The calculation formula applied is: $T_{ij}^{ajustés} = a + b \cdot T_{ij}^{observés}$ The indicator will be selected after prior training and full-scale tests. | | | | | | | | |
|---|---|---|---|---|--|--|--|--|--|--|
| If survey data, verbatim question(s) posed | The indicate | or will be collecte | d at the end of the field survey by manual cou | unting, and thus with no respondent. The data is collected by type of | | | | | | |
| to respondent | | the time of day. | | | | | | | | |
| Detailed description of how data is transmitted from source to MCA | | | e form of data base and analysis report showi | , | | | | | | |
| Frequency and timing of data acquisition | The data wi | Il be classified by | y year and made available no later than March | h of that year for the traffic data of the preceding year. | | | | | | |
| Names of verification sources | | | | Means of verification : | | | | | | |
| National Road Traffic Counting Campaign and O | rigin / Destin | ation Survey/ AG | SEROUTE | Data base, analysis report, cross-tabulations | | | | | | |
| Counting and Origin / Destination Survey in 2015 |) | - | | Data base, analysis report, cross-tabulations | | | | | | |
| Location of Data Storage | AGEROUT | E and MCA-Sene | egal | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |
| Date of Data Quality Review | | | November 2014 | | | | | | | |
| Main findings of data quality review | | Average Score (out of 3) | Recommendations | | | | | | | |
| VALIDITY – Does the data clearly represented results? | sent the | 3,2 | Ensure time consistency of estimation methods; Take nocturnal counting into account | RRP.3 | | | | | | |
| 2. RELIABILITY – Are the data collection postable and consistent over time? | | 3,3 | N/A | 4.0 3.0 Fiabilite | | | | | | |
| 3. TIMELINESS- Are the data current and f collected? | | 4,0 | N/A | 2.0 | | | | | | |
| 4. PRECISION – Does the data have an acmargin of error? | · | 3,2 | N/A | | | | | | | |
| 5. INTEGRITY- Is the data free from manip | | 3,7 | N/A | Adequation Opportunite | | | | | | |
| 6. APPROPRIATENESS – To what extent indicators fully portray the results? | do the | 3,0 | N/A | | | | | | | |
| 7. PRACTICABILITY- Is the data current ar frequently collected? | nd | 3,3 | N/A | Integrite Precision | | | | | | |
| Overall assessment | | 3,2 | | | | | | | | |

| Action taken in response to data que Known data limitations and signific | | | | | | | nd incorporating nocturnal counting | |
|--|------|-------------|---|--|------------------|--|---|--|
| 3 | | | | | | | he daily, weekly, monthly and seasonal variability of data ion that during the month, the weeks and days reoccur in exactly the same | |
| Actions taken to address data limita | | | | | | | an extra-seasonal factor based on fuel consumption (super and diesel). | |
| INDICATOR BASELINE INFORMATI | ON | | | 1 | | | | |
| Old Baseline | 23 | Old Base | eline Year | 2011-2012 | Source | ce of old Baseline | Refer To Results Survey on Traffic and Origin – Destination – AGEROUTE, Sept. 2012: Report CNCE Surveys and O/D Surveys AGEROUTE 2012 | |
| New Baseline | 301 | New Bas | eline Year | 2007 | Sourc | ce of New Baseline | Due Diligence study (2008) | |
| Justification for Baseline Change (if any) | | | | ne basis of the oriin 2012 AGEROUTE | | Diligence study (2008) | | |
| INDICATOR TARGET CALCULATIO | | e to concer | ווא מטטענ נוופ | 2012 AGENOUTE | L Sidu | y | | |
| | | rget | | | | | | |
| YEAR 1 | Old | New | Justification | on for changes to |) | | | |
| Oct 2010 - Sept. 2011 | N/A | N/A | targets or | calculations (if ar | ny) | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 2 | Old | New | Justification | on for changes to |) | The updated economic modeling does not provide an estimated traffic count for Year 2. | | |
| Oct 2011 - Sept. 2012 | 23 | 301 | targets or | targets or calculations (if any) | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 3 | Old | New | | on for changes to | | A traffic count survey is not planned for 2013 | | |
| Oct 2012 - Sept. 2013 | N/A | N/A | targets or | calculations (if ar | ny) | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 4 | Old | New | Justification | on for changes to |) | A traffic count survey is | not planned for 2014 | |
| Oct 2013 - Sept. 2014 | N/A | N/A | targets or | calculations (if ar | ny) | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 5 | Old | New | lustification | on for changes to | | | nd placed the 2012 study in doubt, AGEROUTE was unable to provide any | |
| Oct 2014 - Sept. 2015 | 1490 | 562 | Justification for changes to targets or calculations (if any) | | ων) [[] | details on how the study was done (who was sent, length of counts, methodology, etc.). Reverting to due diligence counts as last reliable count. | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| Long Term Target | Old | New | | on for changes to | | Based on economic mod | deling, 2015 | |
| | N/A | 849 | targets or | calculations (if ar | ny) | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |

| | MCC and MCA are considering the implications of the low traffic counts and delays in road project for end-of-compact targets, but have not set new targets | | | | | | |
|---|--|--|--|--|--|--|--|
| COMMENTS | as of this M&E Plan | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | |
| Rapport Technique d'orientation | 1 Version Finale de la CNCE de l'AGEROUTE, avril 2012 | | | | | | |
| Rapport à mi-parcours de la CN | ICE et Enquêtes O/D AGEROUTE Janvier 2013 | | | | | | |

3.4. Indicator RRP.4. Average annual daily traffic (AADT) Kolda-Kounkané

| INDICATOR BASIC DETAILS | | | | | | | | | |
|---------------------------------------|--|--|-------------------------------|-----------------------------|--------------------------|----------------------------------|--|--|--|
| Indicator Name | Average and | nual daily traffic (AADT) Kolda-Kounkané | | Version | | N° 03 /Sept 2015 | | | |
| Common Indicator Number | (R-10) | Current Indicator Number | RRP.4. | All Previou | us Indicator Numbers | RRP.4. | | | |
| Level | Outcome | Classification | Level | Unit of Me | asure | Number | | | |
| Detailed Definition | The average n | umber and type of vehicles per day, averag | ged over different times (day | and night) and over diffe | rent seasons to arrive | at an annualized daily average | | | |
| Frequency of Reporting | Twice (st | art and end of the compact) | Reporting Perio | od Covered Durat | ion of the Compact | | | | |
| | By gende | r (YES/NO) | NO | | | | | | |
| Disaggregations | By age (\ | | NO | | | | | | |
| Disaggregations | By incom | e (YES/NO) | NO | | | | | | |
| | By localit | y (YES/NO) | NO | | | | | | |
| INDICATOR JUSTIFICATION DE | | | | | | | | | |
| | | olda -Kounkané (64 km) will be rehabilitate | | | | | | | |
| Justification for Including | | ravelling to the Region of Ziguinchor and S | | | | | | | |
| Indicator | | ates the transportation of local agricultural | | nd services from Casama | nce to other cities of S | enegal, without having to go | | | |
| | | a. RN#6 is the only national land access to | | | | | | | |
| How does the indicator link to | | n traffic on this section will help reduce the | | | | | | | |
| the ERR? | | d services from Casamance to other Sene | | to go through Gambia. F | RN#6 is the only nation | al land access to and from | | | |
| the Like. | | he economic rate of return is 12.3% over a | | | | | | | |
| | The rehabilitation of RN6 Ziguinchor - Kounkané (around 256 km) and of the Kolda Bridge will benefit close to 120,000 households or 1, 277, 000 people About 44,000 households, i.e. 474,000 people currently live within a radius of 5km on either side of RN#6. The rehabilitation of this road will help increase | | | | | | | | |
| How does the indicator link to | | | | | | | | | |
| the BA? | | e costs and duration of travels and daily co | nsumption by 75% for people | e with less than \$2 a day, | , by 21% for those havi | ing between \$2 and \$4 and by | | | |
| | | ith more than \$4. | | | | | | | |
| How does the indicator link to | The indicator v | vill show the traffic trends between the pre- | works period and post-works | s period. The cost and du | ration of travels and th | e trade in agricultural products | | | |
| the impact evaluation? | | , as will access to basic social services for | the populations living within | a radius of less than 5 ki | iometers on either side | e of the road. | | | |
| Justification for | Not Applicable | | | | | | | | |
| Disaggregations | | | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | |
| Entity Responsible for Collectin | <u> </u> | Roads Rehabilitation Project Directo | orate | 1 | | | | | |
| Point of Contact Responsible fo | r Collecting | Abdoulaye SYLLA | Phone | 77.740.66.72 | E-mail a | asylla@mcasenegal.org | | | |
| the Data at MCA: | | | | | | | | | |
| Entity Responsible for the collection | AGEROUTE (2012) and Consultant to be selected by MCA-S (2015) | | | | | | | | |
| primary Data | The indicator will be collected during the collection campaign of representative week in the month at the counting stations selected rationally base | | | | | | | | |
| Detailed description of data coll | ection | | | | | | | | |
| methodology (including any calcu | | on whether there is local traffic or not. The count should distinguish between passenger traffic and cargo traffic and take into account the different | | | | | | | |
| computed by source) | | silhouettes considered in the CNCE conducted by AGEROUTE. An estimation of potential induced traffic (generated and derivative) may be made | | | | | | | |
| . , , | by using statistical data (available at ANSD), the analysis of competing routes and the development programs planned for this zone. | | | | | | | | |

| | The count is don | e on each post, b | y teams of three to four people with | n at least a 12th grade level of education, working in shifts throughout the day | | | | | | |
|--|--|---|--|--|--|--|--|--|--|--|
| | | and using a count form designed and tested beforehand. Team members will be selected after prior training and full-scale tests. | | | | | | | | |
| | | $T_{ij}^{\text{ajustés}} = a + b \cdot T_{ij}^{\text{observés}}$ | | | | | | | | |
| | | The calculation formula applied is . | | | | | | | | |
| | L _{ij} being the traff | ic between the ori | gin i and the destination j and a, b | being calibration constants. | | | | | | |
| If survey data, verbatim question(s) posed to | | | e end of the field survey by manua | ll counting, and thus with no respondent. The data is collected by type of | | | | | | |
| respondent | vehicle and the t | | | having the Gudings for the coation under the | | | | | | |
| Detailed description of how data is transmitted from source to MCA | The data is trans | smitted in the form | of data base and analysis report s | howing the findings for the section under study. | | | | | | |
| Frequency and timing of data acquisition | Two measureme | ants will he made: | at the commencement (hefore the | works in 2012) and at the end of the Compact. | | | | | | |
| Names of verification sources | I wo measureme | mis will be made. | at the commencement (before the | Means of verification | | | | | | |
| | gin / Doctination C | unyoy/ ACEDOUT | | Data base, analysis report, cross-tabulations | | | | | | |
| National Road Traffic Counting Campaign and Oric Counting and Origin / Destination Survey in 2015 | giii / Desiiiaiioii 3 | ulveyi AGEROUT | <u> </u> | Data base, analysis report, cross-tabulations Data base, analysis report, cross-tabulations | | | | | | |
| Location of Data Storage | AGEROUTE and | MCA Sonogal | | Data base, analysis report, cross-tabulations | | | | | | |
| INDICATOR DATA QUALITY | AGENOUTE and | i wca-senegai | | | | | | | | |
| Date of Data Quality Review | | | November 2014 | | | | | | | |
| - | | Average Score | Recommendations | | | | | | | |
| Main findings of data quality review | | (out of 4) | Recommendations | RRP.4 | | | | | | |
| VALIDITY – Does the data clearly represent | nt the desired | | Ensure time consistency of | NATE IN | | | | | | |
| results? | | 3,2 | estimation methods; Take the nocturnal counting into account | Validite 4.0 | | | | | | |
| 2. RELIABILITY – Are the data collection pro | cedures stable | 3,3 | N/A | Praticabilite 3.0 Fiabilite | | | | | | |
| and consistent over time? | | 0,0 | | 2.0 | | | | | | |
| 3. TIMELINESS- Are the data current and fre collected? | . , | 4,0 | N/A | 1.0 | | | | | | |
| 4. PRECISION – Does the data have an acce | eptable margin of | 3,2 | N/A | Adequation Opportunite | | | | | | |
| error? | | | | Adequation | | | | | | |
| 5. INTEGRITY- Is the data free from manipula | | 3,7 | N/A | | | | | | | |
| 6. APPROPRIATENESS – To what extent do fully portray the results? | | 3,0 | N/A | Integrite Precision | | | | | | |
| 7. PRACTICABILITY- Is the data current and collected? | frequently | 3,3 | N/A | | | | | | | |
| Overall assessment | | 3,4 | | | | | | | | |
| Action taken in response to data quality review | 1 | | edure clarified and harmonized with | n AGEROUTE and incorporating nocturnal counting | | | | | | |
| Known data limitations and significance | | - The key limitation | on concerns the clarification of data | a in the light of the daily, weekly, monthly and seasonal variability of data | | | | | | |
| Actions taken to address data limitations | - The monthly variability constraint that will be lifted on the assumption that during the month, the weeks and days reoccur in exactly the same way. The seasonal variability constraint will be lifted by integrating an extra-seasonal factor based on fuel consumption (super and diesel). | | | | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | | |

| Old Baseline | 716 | Old Ba Year | seline | 2011-2012 | 011-2012 Source of ol Baseline | | Refer To Résultats d'enquête Trafic et Origin – Destination – AGEROUTE, Sept. 2012 : CNCE Surveys report and O/D Surveys AGEROUTE 2012 | |
|--|---|---|------------|----------------|-----------------------------------|----------|--|--|
| New Baseline | 798 | New Ba Year | | 2007 | Source of New Baseline | | Due Diligence study (2008) | |
| Justification for Baseline Change (if any) | | MCC recalculated the ERR on the basis of the oriinal Due Diligence study (2008) study due to concerns about the 2012 AGEROUTE study | | | | | Diligence study (2008) | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | |
| | Tar | get | | | | | | |
| YEAR 1 | Old | New | | ation for char | | The | annual survey scheduled by AGEROUTE in 2010-2011 did not take place. | |
| Oct 2010 - Sept. 2011 | N/A | N/A | targets | or calculation | ns (if any) | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 2 | Old | New | Justific | ation for char | nges to | | | |
| Oct 2011 - Sept. 2012 | 716 | 798 | targets | or calculation | ns (if any) | Updat | ted economic model does not include an estimated traffic count for Year 2. | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 3 | Old | New | Justific | ation for char | nges to | A traf | ffic count survey is not planned for 2013 | |
| Oct 2012 - Sept. 2013 | N/A | N/A | targets | or calculation | ns (if any) | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 4 | Old | New | Justific | ation for char | nges to | A traf | ffic count survey is not planned for 2014 | |
| Oct 2013 - Sept. 2014 | N/A | N/A | targets | or calculation | ns (if any) | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 5 | Old | New | luctific | ation for char | naes to | | rvations on the road placed the 2012 study in doubt, AGEROUTE was unable to provide any | |
| Oct 2014 - Sept. 2015 | 1850 | 1426 | | or calculation | | | s on how the study was done (who was sent, length of counts, methodology, etc.). Reverting e diligence counts as last reliable count. | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| Long Term Target | Old | New | Justific | ation for chai | nges to | Based | d on the ERR model | |
| - | N/A | 2095 | targets | or calculation | ns (if any) | <u> </u> | | |
| Explanation of assumptions and inputs to target calculations | | _ | | | | _ | | |
| COMMENTS MCC and MCA are considering | the impli | cations of | of the low | traffic counts | and delays ii | n road į | project for end-of-compact targets, but have not set new targets as of this M&E Plan | |
| SUPPLEMENTARY DOCUMENTATION FO | R DETAIL | LED CAI | LCULATI | ONS (if requi | red) | | | |
| Rapport Technique d'orientation Version Fina | Rapport Technique d'orientation Version Finale de la CNCE de l'AGEROUTE, avril 2012 | | | | | | | |
| Rapport à mi-parcours de la CNCE et Enquêl | tes O/D A | AGEROU | ITE, Janv | ier 2013 | - | | | |

3.5. Indicator RRP.5 Rate of change in the duration of travel time on RN#2

| INDICATOR BASIC DETAILS | | | | | | | | |
|---|---------------------------|---|---|---|-----------------|-----------------------|--|--|
| Indicator Name | Rate of change in the | e duration of travel time on RN#2 | | Version | | N° 03 / Sept 2015 | | |
| Common Indicator Number | Not Applicable | Current Indicator Number | RRP.5. | All Previous Indicator Numbers | | RRP.5. | | |
| Level | Outcome | Classification | Level | Unit of Measure* | | Percentage | | |
| Detailed Definition | | vel time on RN#2. Travel time will be to express it in time (hours, minutes | | centage of reduction or increase of the tra- | vel duration in | | | |
| Frequency of Reporting | TWICE | , | | g Period Covered Compact Duration | n | | | |
| | By gender (YES/N | IO) | NO | | | | | |
| Disaggragations | By age (YES/NO) | | NO | | | | | |
| Disaggregations | By income (YES/N | NO) | NO | | | | | |
| | By locality (YES/N | IO) | NO | | | | | |
| INDICATOR JUSTIFICATION | DETAILS | | | | | | | |
| Justification for Including Inc | dicator the | e degree of degradation of RN2 Ricleir journeys improved because of the | hard Toll - Ndioum, travel | e resulting from the improvement of the qualitime increases. However, after the rehabilit | | | | |
| How does the indicator link t | o the ERR? | Not Applicable | | | | | | |
| How does the indicator link t | o the BA? | Not Applicable | | | | | | |
| How does the indicator link t evaluation? | • | Not Applicable | | | | | | |
| Justification for Disaggregat | ions | Not Applicable | | | | | | |
| INDICATOR ACQUISITION PL | | | | | | | | |
| Entity Responsible for Collect MCA | cting Data at MCA at | Monitoring - Evaluation Directora | ate | | | | | |
| Point of Contact Responsible at MCA: | | Sidiki Diombana DiOP | Phone | 221.77.333.15.88 | E-mail | sddiop@mcasenegal.org | | |
| Entity Responsible for the co | ollection of primary Data | MCA-S in 2012 and 2015 | | | | | | |
| Detailed description of data of (including any calculations com | | from the survey of travel time co | Calculation of Rate of change of travel time. Done using data from investigation (CNCE AGEROUTE 2012) and final (MCA -S Year 5). Made from the survey of travel time conducted by the MCA- S AGEROUTE on demand in 2012 at the CNCE. in 2015), MCA will conduct the same survey of travel time (see methodology course time / AGEROUTE) | | | | | |
| If survey data, verbatim ques respondent | stion(s) posed to | Cf travel time surveys | | | | | | |
| Detailed description of how of source to MCA | data is transmitted from | 1 | | | | | | |

| Frequency and timing of data acquisition Twice: Years 2 (2012) and 5 (2015) | | | | | | | | |
|--|-------------------------------|------------------------------|--|--|--|--|--|--|
| Names of verification sources | | Means of ver | Means of verification | | | | | |
| Origin and Destination Survey interpretation Report and travel time s | survey 2012 | CNCE of AGE | EROUTE 2012 | | | | | |
| Origin and Destination Survey interpretation Report and travel time s | survey in year 5 | MCA-Senega | ıl. | | | | | |
| Location of Data Storage MCA-Sen | egal | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | |
| Date of Data Quality Review | | November 2014 | | | | | | |
| Main findings of data quality review | Average Score (out of 4) | Recommendations | RRP.5 | | | | | |
| 1. VALIDITY – Does the data clearly represent the desired results? | 3,4 | N/A | Validite 4.0 | | | | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 3,6 | N/A | Praticabilite 3.0 Fiabilite | | | | | |
| 3. TIMELINESS- Are the data current and frequently collected? | 3,2 | N/A | 2.0 | | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | 3,6 | N/A | | | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 3,8 | N/A | Adequation Opportunite | | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 1,6 | N/A | | | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 3,7 | N/A | Integrite Precision | | | | | |
| Overall assessment | 3,3 | | | | | | | |
| Action taken in response to data quality review | - Collection | procedure clarified and harm | nonized with AGEROUTE | | | | | |
| Known data limitations and significance - | | | | | | | | |
| Actions taken to address data limitations Not Applicable | | | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | |
| Old Baseline 0% Old Baseline Year | 2011-2012 | Source of old Baseline | Data Bases of Baseline surveys for RRP Project | | | | | |
| New Baseline 0% New Baseline Year | 2011-2012 | Source of New Baseline | Data Bases and Report on Baseline Surveys of Roads Rehabilitation Project done in 2012 | | | | | |
| (if any) | ne Origin / Destina | ation study was undertaken b | by AGEROUTE on the sections whose rehabilitation will be financed with MCC funds | | | | | |
| INDICATOR TARGET CALCULATIONS | INDICATOR TARGET CALCULATIONS | | | | | | | |
| Target | | | | | | | | |

| YEAR 1 | Old | New | Justification for changes to targets or | The baseline survey of the Roads Rehabilitation Project was conducted in 2012 for RN#2 and |
|--------------------------------|--------|----------------|---|--|
| Oct 2010 - Sept. 2011 | N/A | N/A | calculations (if any) | RN#6 |
| Explanation of assumptions and | | | | |
| inputs to target calculations | | | | |
| YEAR 2 | Old | New | Justification for changes to targets or | |
| Oct 2011 - Sept. 2012 | 0% | 0% | calculations (if any) | |
| Explanation of assumptions and | | | | |
| inputs to target calculations | | | | |
| YEAR 3 | Old | New | Justification for changes to targets or | |
| Oct 2012 - Sept. 2013 | N/A | N/A | calculations (if any) | |
| Explanation of assumptions and | | | | |
| inputs to target calculations | | | | |
| YEAR 4 | Old | New | Justification for changes to targets or | |
| Oct 2013 - Sept. 2014 | N/A | N/A | calculations (if any) | |
| Explanation of assumptions and | | | | |
| inputs to target calculations | | | | |
| YEAR 5 | Old | New | Justification for changes to targets or | |
| Oct 2014 - Sept. 2015 | -15% | -15% | calculations (if any) | |
| Explanation of assumptions and | | | | |
| inputs to target calculations | | | | |
| Long Term Target | Old | New | Justification for changes to targets or | |
| | -15% | -15% | calculations (if any) | |
| Explanation of assumptions and | | | | |
| inputs to target calculations | | | | |
| COMMENTS | | | | |
| SUPPLEMENTARY DOCUMENTATION | ON FOR | DETAILE | D CALCULATIONS (if required) | |
| | | | | |

Memorandum to the Monitoring and Evaluation Plan– Version N° 03 – Sept, 2015

3.6. Indicator RRP.6. Rate of change in the duration of travel time on the RN#6

| INDICATOR BASIC DETAILS | | | | | | | | | |
|---|-------------------------|---|-----------------------|-----------------------|---------------------------|-----------------------------|-------------------|--|--|
| Indicator Name | Rate of change in | the duration of travel time on the RN#6 |) | | Version | | N° 03 / Sept 2015 | | |
| Common Indicator Number | Not Applicable | Current Indicator Number | RRP.6. | | All Previous Ind | icator Numbers | RRP.6. | | |
| Level | Outcome | Classification | Level | | | Unit of Measure* Percentage | | | |
| Detailed Definition | Rate of reduction of t | ravel time on RN#6. Travel time will be | estimated in ter | ms of percentag | ge of reduction or increa | ise of the travel du | ration | | |
| Frequency of Reporting | TWICE | | | ting Period Co | vered Compact | Duration | | | |
| | By gender (YES | • | NO | | | | | | |
| Disaggregations | By age (YES/N | | NO | | | | | | |
| Disaggregations | By income (YES | , | NO | | | | | | |
| | By locality (YES | S/NO) | NO | | | | | | |
| INDICATOR JUSTIFICATION D | | | | | | | | | |
| Justification for Including Indi | cator | The indicator provides information on the with the degree of degradation of RN6 beneficiaries will have their conditions of the second | Ziguinchor - Ko | unkané, travel t | time increases. Howeve | r, after the rehabilit | | | |
| How does the indicator link to | | Not Applicable | | | | | | | |
| How does the indicator link to | | Not Applicable | | | | | | | |
| How does the indicator link to | the impact | Not Applicable | | | | | | | |
| evaluation? | | Net Applicable | | | | | | | |
| Justification for Disaggregation | | Not Applicable | | | | | | | |
| INDICATOR ACQUISITION PLA | | Manitoring Evaluation Directorate | | | | | | | |
| Entity Responsible for Collection Point of Contact Responsible | | Monitoring - Evaluation Directorate | | | | T T | | | |
| Data at MCA: | ŭ | Sidiki Diombana DIOP | Pho | one 22° | 1.78 637 02 32 | E-mail sddi | op@mcasenegal.org | | |
| Entity Responsible for the coll Data | . , | MCA-S in 2012 and 2015 | | | | | | | |
| Detailed description of data comethodology (including any calby source) | culations computed | Done using data from investigation (CNCE AGEROUTE 2012) and final (MCA -S Year 5). Made from the survey of travel time conducted by the MCA- S AGEROUTE on demand in 2012 at the CNCE. in 2015), MCA will conduct the same survey of travel time (see methodology course time / AGEROUTE) | | | | | | | |
| If survey data, verbatim questi respondent | on(s) posed to | | | | | | | | |
| Detailed description of how da from source to MCA | ita is transmitted | · | | | | | | | |
| Frequency and timing of data | acquisition | Twice: Years 2 and 5 | | | | | | | |
| Names of verification sources | | | | Means of verification | | | | | |
| Origin and Destination Survey in | terpretation Report and | d survey data base | CNCE of AGEROUTE 2012 | | | | | | |

| Origin and Destination Survey interpretation Report and survey data base in year 5 | | | | | | MCA-Senegal. | | |
|--|--|-------------------|---------------------|-----------------------------|---|---|--|--|
| Location of Data | a Storage | | AGERO | UTE and MCA-Ser | | | | |
| INDICATOR DA | | | | | | | | |
| Date of Data Qu | ality Review | | | | November 2014 | | | |
| | n findings of data quality review | | | Average Score (out of 4) | Recommendations | RRP.6 | | |
| 1. VALIDIT results? | Y – Does the da | nta clearly re | present the desired | 3,4 | None | Validite | | |
| 2. RELIABI stable and consis | LITY – Are the operations that the contract over time? | | on procedures | 3,6 | None | 4.0 | | |
| 3. TIMELIN collected? | ESS- Are the da | ata current a | and frequently | 3,2 | None | Praticabilite 2.0 Fiabilite | | |
| 4. PRECISI margin of error? | ON – Does the | data have a | n acceptable | 3,6 | None | | | |
| | TY- Is the data | | • | 3,8 | None | Adequation Opportunite | | |
| 6. APPROF indicators fully po | PRIATENESS – ortray the results | | ent do the | 1,6 | None | Integrite Precision | | |
| 7. PRACTION collected? | CABILITY- Is the | e data curre | nt and frequently | 3,7 | None | | | |
| Overall assessn | nent | | | 3,3 | | | | |
| Action taken in | response to da | ata quality r | eview | - Collection proc | edure clarified and harmo | onized with AGEROUTE | | |
| Known data lim | itations and sig | gnificance | | | | | | |
| Actions taken to | address data | limitations | | Not Applicable | | | | |
| INDICATOR BA | SELINE INFOR | MATION | | | | | | |
| Old Baseline | 0% | Old Basel | ine Year | 2011-2012 | Source of old Baseline | Data Bases and Report of Baseline Surveys of the Roads Rehabilitation Project done in 2012 | | |
| New Baseline | 0% | New Baseline Year | | 2011-2012 | Source of New Baselin | Data Bases and Report of Baseline Surveys of the Roads Rehabilitation Project done in 2012 Origin and Destination Survey Report and database survey in year 5 | | |
| Justification for Baseline The baseline year is 2011-201 With MCC funds. | | | 12 during which the | e Origin / Destination stud | dy was undertaken by AGEROUTE on the sections whose rehabilitation will be financed | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | |
| | | | Target | | | | | |
| | YEAR 1 | | Old New | ı | | | | |
| | | | | | | | | |

| | | 1 | |
|---------------------------------------|-----------|----------|----------------------------------|
| Oct 2010 - Sept. 2011 | N/A | N/A | Justification for changes to |
| ' | 14// (| 14// (| targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 2 | Old | New | Justification for changes to |
| Oct 2011 - Sept. 2012 | 0% | 0% | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | -50% | -50% | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | -50% | -50% | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FO | R DETAILI | ED CALCU | JLATIONS (if required) |
| | | | · · · |
| | | | |

3.7. Indicator RRP.7.Roughness (RN2)

| INDICATOR BASIC DETAILS | | | | | | | | |
|--|---------------------|--|---|--|---|--------------------------|--|--|
| Indicator Name | Roughness (RN2) | | | Version | | N° 03 / Sept 2015 | | |
| Common Indicator Number | (R-9) | Current Indicator Number | RRP.7. | All Previous Indicator N | Numbers | RRP.7. | | |
| Level | Outcome | Classification | Level | Unit of Measure* | | m/km | | |
| Detailed Definition | in Senegal) | nness of the road surface, in meters | s of height per kilometer of dis | tance traveled (this instance | e of the indi | cator relates to the RN2 | | |
| Frequency of Reporting | TWICE | | Reporting Period Covered | Compact Duration | | | | |
| | By gender (YES/NC | | NO | | | | | |
| Disaggragations | By age (YES/NO) | | NO | | | | | |
| Disaggregations | By income (YES/NC | 0) | NO | | | | | |
| | By locality (YES/NO |) | NO | | | | | |
| INDICATOR JUSTIFICATION DETAIL | LS | | | | | | | |
| Justification for Including Indicator | | Roughness is an indicator used to of road at a speed of 80 km/h The quality of the road has a sign | , , | ' | | | | |
| How does the indicator link to the E | | The quality of the road has a significant impact on the use of the road and thus on the traffic. The latter is strongly correlated with profitability. | | | | | | |
| How does the indicator link to the E | | Not Applicable | | | | | | |
| How does the indicator link to the in | mpact evaluation? | Not Applicable | | | | | | |
| Justification for Disaggregations | | Not Applicable | | | | | | |
| INDICATOR ACQUISITION PLAN | | Deads Draigst Directorate | | | | | | |
| Entity Responsible for Collecting D | | Roads Project Directorate | | | | | | |
| Point of Contact Responsible for ComCA: | · · | Abdoulaye SYLLA | | 77.740.66.72 | E-mail | asylla@mcasenegal.org | | |
| Entity Responsible for the collection | n of primary Data | AGEROUTE in 2012 ; Firm and Engineer RN2 in 2015 | | | | | | |
| Detailed description of data collection (including any calculations computed | | There is need to distinguish betwee facilitates the acceptance of the stand which will help characterize the calibration of high-performance. Surveys will be conducted on the Roughness before measuring it will be the the the thickness value will be compared improvement due to the rehabilitate AGEROUTE to judiciously define measurement campaign on the climate in the survey of th | nness measurements to be t. To ensure that these mea e control road segments at ion instruments like the Dipmance instrument in order to of RN2 will help define the EROUTE after the works an apared with the periodic meter to Roughness calculation. | made durin isurements least 500 lo stick used) o calibrate t initial state re complete asurements on principle | ag the provisional delivery are completely accurate, ong, will be made. to determine the hem. of the road. This ad to determine the s to be done by extract of: Roughness | | | |
| If survey data, verbatim question(s) | posed to respondent | Not Applicable | | | | | | |
| <i>y</i> , , , , , , , , , , , , , , , , , , , | 1 | 1 1 1 | | | | | | |

| Detailed description of how data is transmitted from source to MCA | | | arge of construction and by the Engineer in charge of works supervision. | | | | |
|---|--------------------------------|--|--|--|--|--|--|
| Frequency and timing of data acquisition | Twice: Bef | ore the works (2012) and after the wo | | | | | |
| Names of verification sources | | | Means of verification | | | | |
| Report of the Roads Rehabilitation Firm | | | Table of indicators, Roughness measurement data | | | | |
| Report of the Engineer in charge of supervision | | | Table of indicators, Roughness measurement data | | | | |
| PMU AGEROUTE Report | | | Table of indicators, Roughness measurement data | | | | |
| Location of Data Storage | | | AGEROUTE and MCA-Senegal | | | | |
| INDICATOR DATA QUALITY | | <u> </u> | J. | | | | |
| Date of Data Quality Review | | November 2014 | | | | | |
| Main findings of data quality review | Average Score (out of 4) | Recommendations | RRP.7 | | | | |
| VALIDITY – Does the data clearly represent the desired results? | 4,0 | Incentives to ensure that construction firms upgrade the road to expected Roughness standards trigger hopes that this indicator and its data will be of good quality; | | | | | |
| RELIABILITY – Are the data collection procedures stable and consistent over time? TIMELINESS- Are the data current and frequently | 4,0 | N/A | 1.0 | | | | |
| collected? | 3,2 | N/A | Adequation Opportunite | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | 4,0 | N/A | / Spportainte | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 4,0 | N/A | | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 3,9 | N/A | Integrite Precision | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 4,0 | N/A | | | | | |
| | 3,9 | | | | | | |
| Overall assessment | | | | | | | |
| Action taken in response to data quality review | - Collection pro | cedure clarified and harmonized with | AGEROUTE | | | | |
| Known data limitations and significance | Not Applicable | The state of the s | | | | | |
| Actions taken to address data limitations | Not Applicable | | | | | | |
| | T. IST. Ippilodolo | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | |

| Old Baseline | 3.2 | Old B | Baseline ' | Year | 2011-2012 | Source o | of old Baseline | Compact, initial source not available |
|--|---|-------|------------|---------|---------------------------------------|------------|------------------|---|
| New Baseline | 3.2 | New I | Baseline | Year | 2011-2012 Source of | | of New Baseline | MCC Report, October 2012 : <u>TD-37 – ERR Indicators –</u> Roughness <u>data</u> <u>collection, traffic counts and calculation of VOC and TTC with sensitivity analysis</u> |
| Justification for Baseline Change | (if any) | | | | | | | |
| INDICATOR TARGET CALCULATION | ONS | | | | | | | |
| | | Targe | et | | • | | | |
| YEAR 1 | Ol | | New | Justifi | cation for chang | jes to | The Roughness | measurement study was not done in 2010-2011 |
| Oct 2010 - Sept. 2011 | N/ | A | N/A | targets | s or calculations | s (if any) | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 2 | OI | d | New | 1 | ! f l | | The MCC Repor | t, October 2012 (TD-37 – ERR Indicators – Roughness data collection, traffic |
| Oct 2011 - Sept. 2012 | 3,2 | 2 | 3.2 | | cation for chang s or calculations | | counts and calcu | ulation of VOC and TTC with sensitivity analysis) gives an Roughness of 9.4 (for f 4.0 (for 4 km or 4%) and 2.8 (for 103.6 km or 91%), i.e. an average of 3.2. |
| Explanation of assumptions and inputs to target calculations | | • | | | | | | |
| YEAR 3 | Ol | d | New | Justifi | ustification for changes to | | New measurem | ents of the Roughness will not be taken until the end of the compact |
| Oct 2012 - Sept. 2013 | N/ | A | N/A | targets | s or calculations | s (if any) | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 4 | Ol | d | New | Justifi | cation for chang | ges to | New measurem | ents of the Roughness will not be taken until the end of the compact |
| Oct 2013 - Sept. 2014 | N/ | A | N/A | targets | s or calculations | s (if any) | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| YEAR 5 | OI | d | New | Justifi | cation for chang | ges to | | |
| Oct 2014 - Sept. 2015 | 2.4 | 4 | 2.4 | targets | s or calculations | s (if any) | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| Long Term Target | Ol | d | New | Justif | ication for chan | ges to | | |
| | N/ | A | N/A | target | s or calculations | s (if any) | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | |
| COMMENTS | | | | | | | | |
| SUPPLEMENTARY DOCUMENTAT | ION FO | R DET | AILED C | ALCUL | ATIONS (if requi | red) | | |
| Roughness Calculation : Roughness | SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) Roughness Calculation: Roughness Principle Calculation, AGEROUTE, 2012 MCC Report, October 2012 (TD-37 – ERR Indicators – Roughness data collection, traffic counts and calculation of VOC and TTC with sensitivity analysis) | | | | | | | |

3.8. Indicator RRP.8.Roughness (RN6)

| INDICATOR BASIC DETAILS | | | | | | | | |
|---|---|-------------|---|------------------------------------|-------------|---------------------|----------------|-----------------------|
| Indicator Name | Rough | ness (RN6) | | | Version | | N° 03 / Sept 2 | 2015 |
| Common Indicator Number | (R-9 |)) | Current Indicator Number | RRP.8. | All Previou | s Indicator Numbers | RRP.8. | |
| Level | | | Classification | Level | Unit of Mea | | m/km | |
| Detailed Definition | The measure of the roughness of the road surface, in meters of height per kilometer of distance traveled (this instance of the indicator relates to the RN6 in Senegal) | | | | | | | |
| Frequency of Reporting | TWI | | | ng Period Covered Compact Duration | | | | |
| Disaggregations | Ву о | gender (YES | S/NO) | NO | | | | |
| | | age (YES/No | | | | | | |
| | | ncome (YES | , | NO | | | | |
| | By locality (YES/NO) | | | NO | | | | |
| INDICATOR JUSTIFICATION DETAILS | | | | | | | | |
| Justification for Including Indicate | 80 KM/N | | | | | | · | |
| How does the indicator link to the | | | | | | | | |
| How does the indicator link to the BA? Not Applicable | | | | | | | | |
| evaluation? | | | Applicable | | | | | |
| Justification for Disaggregations | | | Applicable | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | |
| Entity Responsible for Collecting Data at MCA | | | Roads Project Directorate | | | | | |
| Point of Contact Responsible for Collecting the Data at MCA: | | | Abdoulaye SYLLA | | Phone | 77.740.66.72 | E-mail | asylla@mcasenegal.org |
| Entity Responsible for the collection of primary Data | | | AGEROUTE in 2012; Engineer and Firm RN6 in 2015 | | | | | |
| Detailed description of data collection methodology (including any calculations computed by source) | | | There is need to distinguish between the Roughness measurements made on the basis of the progression of works and which facilitates the acceptance of the surfacing works and the Roughness measurements to be made during the provisional delivery and which will help characterize the initial state of the pavement. To ensure that these measurements are completely accurate, the calibration of high-performance measurement devices on the control road segments at least 500 long, will be made. Surveys will be conducted on these control sections (or calibration instruments like the Dipstick used) to determine the Roughness before measuring it with the help of the high-performance instrument in order to calibrate them. The use of Roughness values along each of the road segments of RN6 will help define the initial state of the road. This Roughness value will be compared to the one measured after the works are completed to determine the improvement caused by the rehabilitation project. It will then be compared with the periodic measurements to be done by AGEROUTE to judiciously define the maintenance program: Refer to Roughness calculation principle extract of: Roughness measurement campaign on the classified road network, Rapport de phase, Phase Report AGEROUTE /MSILAB 2012. | | | | | |

| respondent Wo Application Table of noticators Acuptiness measurement data Regord of the Englineer in charge of supervision of road freshabilitation Firm Table of Indicators, Roughness measurement data Regord of the Englineer in charge of supervision Table of indicators, Roughness measurement data Application Table of Indicators, Roughness measurement data Recommendations Application Table of Indicators, Roughness measurement data Recommendations November 2014 Average Score (out of Recommendations 4,0 November 2014 Average Recommendations Application Recommendations Application The data from the Rough Application The data from the works are completed (2015) Worall assessment Action taken in response to data quality review November 2014 Average Average Average Score (out of Recommendations Not Applicable Table of Indicators, Roughness measurement data Table of Indicators, Roughne | | | | | | | | | | | | |
|--|---|---------------------------|--|--|--|--|--|--|--|--|--|--|
| source to MCA rehabilitation Tierquency and timing of data acquisition Twice : Before the works began (2012) and after the works are completed (2015) Names of verification sources Report of the Roads Rehabilitation Firm Table of indicators, Roughness measurement data Report of the Engineer in charge of supervision Table indicators, Roughness measurement data PMU AGEROUTE Report Data Storage AGEROUTE and MCA-Senegal INDICATOR DATA QUALITY Date of Data Quality Review Average Score (out of 4) 1. VALIDITY – Does the data clearly represent the desired results? Average Score (out of 4) 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS: Are the data current and frequently collected? 4. PRECISION – Does the data fee from manipulation? 4. NYA 4. PRECISION – Does the data fee from manipulation? 5. NITEGRITY - Is the data current and frequently collected? 4. PRECISION – Does the data current and frequently collected? 5. PRACTICABILITY: Is the data current and frequently collected? 7. PRACTICABILITY: Is the data current and frequently collected? 8. PRECISION – Does the data free from manipulation? 8. NYA 1. VINECRITY: Is the data free from manipulation? 9. NYA 1. PRACTICABILITY: Is the data current and frequently collected? 1. PRACTICABILITY: Is the data current and frequently collected? 1. PRACTICABILITY: Is the data current and frequently collected? 1. PRACTICABILITY: Is the data current and frequently collected? 1. PRACTICABILITY: Is the data current and frequently collected? 1. Overall assessment 1. NOTATION RASSELIME INPORMATION NOTATION RASSELIME INPORMATION NOTATION RASSELIME INPORMATION | If survey data, verbatim question(s) posed to respondent | Not Applicable | | | | | | | | | | |
| source to MCA rehabilitation Tierquency and timing of data acquisition Twice : Before the works began (2012) and after the works are completed (2015) Names of verification sources Report of the Roads Rehabilitation Firm Table of indicators, Roughness measurement data Report of the Engineer in charge of supervision Table indicators, Roughness measurement data PMU AGEROUTE Report Data Storage AGEROUTE and MCA-Senegal INDICATOR DATA QUALITY Date of Data Quality Review Average Score (out of 4) 1. VALIDITY – Does the data clearly represent the desired results? Average Score (out of 4) 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS: Are the data current and frequently collected? 4. PRECISION – Does the data fee from manipulation? 4. NYA 4. PRECISION – Does the data fee from manipulation? 5. NITEGRITY - Is the data current and frequently collected? 4. PRECISION – Does the data current and frequently collected? 5. PRACTICABILITY: Is the data current and frequently collected? 7. PRACTICABILITY: Is the data current and frequently collected? 8. PRECISION – Does the data free from manipulation? 8. NYA 1. VINECRITY: Is the data free from manipulation? 9. NYA 1. PRACTICABILITY: Is the data current and frequently collected? 1. PRACTICABILITY: Is the data current and frequently collected? 1. PRACTICABILITY: Is the data current and frequently collected? 1. PRACTICABILITY: Is the data current and frequently collected? 1. PRACTICABILITY: Is the data current and frequently collected? 1. Overall assessment 1. NOTATION RASSELIME INPORMATION NOTATION RASSELIME INPORMATION NOTATION RASSELIME INPORMATION | Detailed description of how data is transmitted from | The data will be | provided by the enterprise in charge | of construction and by the engineer in charge of supervision of road | | | | | | | | |
| Frequency and timing of data acquisition Names of verification sources Report of the Roads Rehabilitation Firm Report of the Roads Rehabilitation Firm Report of the Roads Rehabilitation Firm Report of the Engineer in charge of supervision REPORT A QUALITY Date of Data Quality Review Average Score (out of Recommendations 1. VALIDITY – Does the data clearly represent the desired results? 4.0 Recommendations 1. VALIDITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS – Are the data current and frequently collected? 4.0 N/A 3. TIMELINESS – Are the data current and frequently collected? 4.0 N/A 4. PRECISION – Does the data have an acceptable margin of error? 4.0 N/A 4. PRECISION – Does the data free from manipulation? 5. INTEGRITY - Is the data current and frequently operative results? 7. PRACTICABILITY: Is the data current and frequently operative results? 7. PRACTICABILITY: Is the data current and frequently operative results? 8. N/A 1. VALIDITY - Substitute results? 1. VALIDITY - Substitute results? 1. VALIDITY - Are the data current and frequently operative results and the properties of the results? 1. VALIDITY - Are the data current and frequently operative results and the properties of the results of the re | | | | | | | | | | | | |
| Names of verification sources Report of the Roads Rehabilitation Firm Report of the Roads Rehabilitation Firm Report of the Engineer in charge of supervision PMU AGEROUTE Report Location of Data Storage AGEROUTE and MCA-Senegal INDICATOR DATA QUALITY Date of Data Quality review Main findings of data quality review 1. VALIDITY – Does the data clearly represent the desired results? 1. VALIDITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY – Is the data free from manipulation? 6. APPROPRIATE NESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY – Is the data current and frequently collected? 7. PRACTICABILITY – Is the data current and frequently collected? 9. N/A 1. PRACTICABILITY – Is the data current and frequently collected? 1. VALIDITY – Is the data free from manipulation? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTICABILITY – Is the data current and frequently collected? 1. PRACTIC | requency and timing of data acquisition Twice: Before the works began (2012) and after the works are completed (2015) | | | | | | | | | | | |
| Report of the Engineer in charge of supervision Table of indicators, Roughness measurement data Table of indicators, Roughness measurement data Table of indicators, Roughness measurement data Acceptable of Data Storage AGEROUTE and MCA-Senegal NOVICATOR DATA QUALITY Date of Data Quality Review Average Score (out of 4) 1. VALIDITY – Does the data clearly represent the desired results? Average Score (out of 4) 1. VALIDITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS – Are the data current and frequently collected? 4.0 N/A 1. VALIDITY – Are the data current and frequently of error? 5. INIECRITY – Si the data have an acceptable margin of error? 5. INIECRITY - Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY - Is the data current and frequently collected? 7. PRACTICABILITY - Is the data current and frequently collected? 9. N/A Actions taken to address data limitations Not Applicable AGEROUTE and MCA-Senegal Table of indicators, Roughness measurement data November 2014 Recommendations November 2014 | | | | | | | | | | | | |
| Report of the Engineer in charge of supervision Table of indicators, Roughness measurement data Table of indicators, Roughness measurement data Table of indicators, Roughness measurement data Acceptable of Data Storage AGEROUTE and MCA-Senegal NOVICATOR DATA QUALITY Date of Data Quality Review Average Score (out of 4) 1. VALIDITY – Does the data clearly represent the desired results? Average Score (out of 4) 1. VALIDITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS – Are the data current and frequently collected? 4.0 N/A 1. VALIDITY – Are the data current and frequently of error? 5. INIECRITY – Si the data have an acceptable margin of error? 5. INIECRITY - Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY - Is the data current and frequently collected? 7. PRACTICABILITY - Is the data current and frequently collected? 9. N/A Actions taken to address data limitations Not Applicable AGEROUTE and MCA-Senegal Table of indicators, Roughness measurement data November 2014 Recommendations November 2014 | Report of the Roads Rehabilitation Firm | | | | | | | | | | | |
| PMU AGEROUTE Report Location of Data Storage Mount for Data Ouality Review Main findings of data quality review Average Score (out of Recommendations 4) 1. VALIDITY – Does the data clearly represent the desired results? 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? 4.0 N/A 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY - Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY - Is the data current and frequently collected? 9. PRECISION - Does the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 9. PRECICIOBILITY - Is the data current and frequently collected? 1. VALIDITY - Does the data frequently collected? 1. VALIDITY - Are the data collection procedure clarified and harmonized with AGEROUTE 1. Integrite - Precision 1. Validite - Pr | | | | <u> </u> | | | | | | | | |
| Location of Data Storage AGEROUTE and MCA-Senegal | | | | | | | | | | | | |
| November 2014 November 2014 | | AGEROUTE and | I MCA-Senegal | | | | | | | | | |
| Average Score (out of 4) 1. VALIDITY – Does the data clearly represent the desired results? 1. VALIDITY – Does the data clearly represent the desired results? 4.0 Roughness standards tigger hopes that this indicator and its data will be of good quality: 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY - Is the data current and frequently collected? Overall assessment Action taken in response to data quality review Known data limitations and significance Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable | | | <u> </u> | | | | | | | | | |
| Average Score (out of 4) 1. VALIDITY – Does the data clearly represent the desired results? 1. VALIDITY – Does the data clearly represent the desired results? 4.0 Roughness standards tigger hopes that this indicator and its data will be of good quality: 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY - Is the data current and frequently collected? Overall assessment Action taken in response to data quality review Known data limitations and significance Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable | Date of Data Quality Review | | November 2014 | | | | | | | | | |
| desired results? 4,0 firms upgrade the roads to expected Roughness standards trigger hopes that this indicator and its data will be of good quality: 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? 4.0 N/A 3.7 IMELINESS- Are the data current and frequently collected? 4.0 N/A 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Overall assessment 3.9 N/A Action taken in response to data quality review Collection procedure clarified and harmonized with AGEROUTE Not Applicable Not Applicable Not Applicable NOTA NOTA RRP.8 RRP.8 | • | Score (out of | | | | | | | | | | |
| stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 4.0 N/A 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Overall assessment Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable | desired results? | 4,0 | firms upgrade the roads to expected Roughness standards trigger hopes this indicator and its data will be of o | d s that | | | | | | | | |
| collected? 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Overall assessment 3.9 Action taken in response to data quality review Actions taken to address data limitations Not Applicable | | 4,0 | N/A | | | | | | | | | |
| margin of error? 5. INTEGRITY- Is the data free from manipulation? 4.0 N/A 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Overall assessment Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable Not Applicable INDICATOR BASELINE INFORMATION | 3. TIMELINESS- Are the data current and frequently collected? | 3,2 | N/A | Praticabilite Fiabilite | | | | | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Overall assessment Action taken in response to data quality review Actions taken to address data limitations Not Applicable Integrite Precision Action taken in response to data quality review - Collection procedure clarified and harmonized with AGEROUTE Not Applicable INDICATOR BASELINE INFORMATION | | 4,0 | N/A | 1/0 | | | | | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Overall assessment Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION | 5. INTEGRITY- Is the data free from manipulation? | 4,0 | N/A | Adequation | | | | | | | | |
| frequently collected? Overall assessment Action taken in response to data quality review Frecision 3,9 Collection procedure clarified and harmonized with AGEROUTE Known data limitations and significance Not Applicable Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION | | 3,9 | N/A | - Autoritation - Auto | | | | | | | | |
| Overall assessment Action taken in response to data quality review - Collection procedure clarified and harmonized with AGEROUTE Known data limitations and significance Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION | | 4,0 | N/A | Integrite Precision | | | | | | | | |
| Known data limitations and significance Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION | | | | | | | | | | | | |
| Known data limitations and significance Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION | Action taken in response to data quality review - Collection procedure clarified and harmonized with AGEROUTE | | | | | | | | | | | |
| Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION | | | | | | | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | | | | |
| | | 1 211 1 1 1 1 1 1 1 1 1 1 | | | | | | | | | | |
| Old Baseline 13 Old Baseline Year 2011-2012 Source of old Baseline Compact, initial source not available | Old Baseline 13 Old Baseline Yea | r | 2011-2012 Source of old Ba | seline Compact, initial source not available | | | | | | | | |

| New Baseline | 13 | New Baseline Year | | ar | 2011-2012 | Source of New Baseline | MCC Report, October 2012 : <u>TD-37 – ERR Indicators</u> – Roughness <u>data collection, traffic counts and calculation of VOC</u> and TTC with sensitivity analysis | | |
|--|--------------------|-------------------|--------------------------------------|-----------------|------------------------|--|--|--|--|
| Justification for Baseline Change (if any) | | | | | | | | | |
| INDICATOR TARGET CALC | <u>ULATIONS</u> | | | | | | | | |
| | | Targ | get | | | | | | |
| YEAR 1 | | Old | New | | ion for changes to | The Roughness measuremen | t study was not done in 2010-2011 | | |
| Oct 2010 - Sept. 201 | 11 | N/A | N/A | targets or any) | r calculations (if | | | | |
| Explanation of assumptions inputs to target calculations | | | | | | | | | |
| YEAR 2 | | Old | New | luctificat | ion for changes to | | 12 (TD-37 – ERR Indicators – Roughness data collection, traffic | | |
| Oct 2011 - Sept. 201 | 12 | 13 | 13 | | r calculations (if any | counts and calculation of \for Zone II and 21 for Zone | /OC and TTC with sensitivity analysis) gives an IRI of 5 for Zone I, 13 e III, i.e. an average of 13. | | |
| Explanation of assumptions inputs to target calculations | | | | | | | · | | |
| YEAR 3 | | Old | New | Justificat | ion for changes to | The Roughness will not be | e calculated in 2013 | | |
| Oct 2012 - Sept. 201 | N/A | N/A | N/A targets or calculations (if any) | | | | | | |
| Explanation of assumptions inputs to target calculations | | | | | • | • | | | |
| YEAR 4 | | Old | New | 3 | | | | | |
| Oct 2013 - Sept. 201 | 14 | N/A | N/A | targets or | r calculations (if any |) | | | |
| Explanation of assumptions inputs to target calculations | | | | | | | | | |
| YEAR 5 | | Old | New | Justificat | ion for changes to | The Compact estimates a | final Roughness for the RN6 to be 2.5, not 2.4 | | |
| Oct 2014 - Sept. 201 | | 2,5 | 2.5 | targets or | r calculations (if any | | | | |
| Explanation of assumptions inputs to target calculations | | | | | | | | | |
| Long Term Target | t | Old | New | | tion for changes to | | | | |
| | | N/A | N/A | targets o | r calculations (if any |) | | | |
| Explanation of assumptions inputs to target calculations | | | | | | | | | |
| Zone I: Lot 1: 20,9 km (17,2% of Lot 1), Lot 2: 41,4 km (57,1% of Lot 2), Lot 3: 18,3 km (19,7% of Lot 3) Zone II: Lot 1: 56,6 km (48,6% of Lot 1), Lot 2: 31,0 km (42,8% of Lot 2) et Lot 3: 72,2 km (77,8% of Lot 3) Zone III: Lot 1: 39,9 km (34,2% of Lot 1), Lot 2: 0,1 km (0.1% of Lot 2) et Lot 3: 2,3 km (2,5% of Lot 3) | | | | | | | 72,2 km (77,8% of Lot 3) | | |
| SUPPLEMENTARY DOCUM | ENTATION | FOR DET | AILED C | ALCULATI | ONS (if required) | | | | |
| IRI Calculation Method: Rou | ughness <u>cal</u> | culation pri | inciple, A | GEROUTE | , 2012 | nts and calculation of VOC and | TTC with sensitivity analysis) | | |

3.9. Indicator RRP.9. Road Traffic Fatalities

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|--|----------------------|------------------------------------|---|--|------------------|--------------------|-------------|---------------------------|--|--|
| Indicator Name | Road Traffic Fata | ılities | | | Version | | | N° 03 / Sept 2015 | | |
| Common Indicator Number | (R-11) | Current Indicator Number | | RRP.9. | All Previous | s Indicator Numl | bers | New Indicator | | |
| Level | Outcome | Classification | | Level | Unit of Mea | sure* | | Number | | |
| Detailed Definition | The number of road | traffic fatalities per year on roa | ads constructed, re | habilitated or imp | proved with M | CC funding | | | | |
| Frequency of Reporting | ANNUAL | | | Reporting | Period Cover | red Compa | ct Duration | l | | |
| | By gender (YE | S/NO) | | YES | | | | | | |
| Disaggragations | By age (YES/I | NO) | | NO | | | | | | |
| Disaggregations | By income (YE | ES/NO) | | NO | | | | | | |
| | By locality (YE | S/NO) | | YES (RN2 | /RN6) | | | | | |
| INDICATOR JUSTIFICATION DE | TAILS | | | | | | | | | |
| Justification for Including Indica | ator | The indicator provides information | ation on number o | f people who lost | their lives in a | accidents that occ | urred on R | N2 and RN6 sections to be | | |
| | | rehabilitated by the Compact. | This is a new indi | cator proposed b | y the Guidanc | e on Common Inc | dicator, Ma | y 2012. | | |
| How does the indicator link to the | | Not Applicable | | | | | | | | |
| How does the indicator link to the | | Not Applicable | | | | | | | | |
| How does the indicator link to the | ne impact | Not Applicable | Not Applicable | | | | | | | |
| evaluation? | | | | | | | | | | |
| Justification for Disaggregation | S | The data will be disaggregate | ed locality (RN2 an | d RN6). | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | | |
| Entity Responsible for Collectin | | | Monitoring - Evaluation Directorate | | | | | | | |
| Point of Contact Responsible fo MCA: | r Collecting the Dat | Sidiki Diombana DIOP | Phone | 221.78. 637. 0 | 02 . 32 | E-mail | sddiop@i | mcasenegal.org | | |
| Entity Responsible for the collection | ction of primary Dat | a Gendarmerie Brigade ar | larmerie Brigade and Police Station of Saint Louis | | | | | | | |
| Detailed description of data coll | ection methodology | Using data on accidents | Jsing data on accidents that occurred on RN#2 (Richard Toll-Ndioum) and RN6 (Ziguinchor – Kounkane) provided by the Gendarmerie | | | | | | | |
| (including any calculations comput | | Brigade and the Police S | Brigade and the Police Station of Saint Louis, Ziguinchor, Sedhiou and Kolda summarized by the Road Transport Directorate. | | | | | | | |
| If survey data, verbatim question respondent | n(s) posed to | Not Applicable | | | | | | | | |
| Detailed description of how data source to MCA | | from the Direction des T | The data is transmitted by official correspondence officielle from the Brigade de Gendarmerie, the Commissariat de Police, and also from the Direction des Transports Terrestres at MCA-S. Additionally, a mission from the M&E Directorate will collect the raw data necessary to calculate the indicator. | | | | | | | |
| Frequency and timing of data ac | | QUARTERLY | | | | | | | | |
| Names of verification sources | | | | Means of verifi | | | | | | |
| Letter of the RTD, the Gendarmeri | e and Police Station | of Saint Louis | | Letter and statistics of the RTD, the Gendarmerie Brigade and Police Station of Saint Louis, | | | | | | |
| | | Ziguinchor and Kolda. | | | | | | | | |
| MCA-S Report | | | | Table of indicators, monitoring data base | | | | | | |

| Location of Da | ta Storage | | | Land Transpor | t Directorate | e and MCA-S | Senegal | | | |
|--|--|-----------------------------|------------|---------------|---|---|-------------|-----------------|------------|---------------------------------------|
| INDICATOR DA | ATA QUALITY | | | | | | | | | |
| Date of Data Q | uality Review | | | | | | | N/A | | |
| Main findings | of data quality review | | | | | Average Score (out of 4) | | Recommendations | | RRP.9 |
| 1. VALIDI | TY – Does the data clearly re | epresent the desired resu | lts? | | | 2,8 | | N/A | | |
| | 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | | | | | | | N/A | | Validita |
| 3. TIMELI | NESS- Are the data current | and frequently collected? | | | | 2,4 | | N/A | | Validite 4.0 |
| 4. PRECIS | SION – Does the data have | an acceptable margin of e | rror? | | | 1,0 |) | N/A | | Praticabi 3.0 Fiabilite |
| | RITY- Is the data free from n | | | | | 3,0 |) | N/A | | lite 2.0 |
| | PRIATENESS – To what ex | | portray th | ne results? | 1 | 2,4 | | N/A | | Adequati |
| 7. PRACT | ICABILITY- Is the data curre | ent and frequently collecte | d? | | | 2,7 | 1 | N/A | | on nite |
| | | 1 7 | | | | 2,4 | | | | |
| | | | | | | | | | | Integrite Precision |
| Overall assess | sment | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | response to data quality | review | | | | Not Applicabl | | | | |
| | mitations and significance | | | | | Not Applicabl | е | | | |
| | to address data limitations | 3 | | | | Not Applicabl | е | | | |
| | ASELINE INFORMATION | | | | | | | | | |
| Old Baseline | Not Applicable | Old Baseline Year | 2012 | 2-2013 | Source of old | | | | | |
| New | 43 | New Baseline Year | 2012 | 3-2014 | Source of No | f New Baseline Letter and statistics | | | | Gendarmerie Brigade and the St. Louis |
| Baseline | 43 | New Dasellile Teal | 2013 | 0-2014 | Source of the | Police Station , Zig | | tion , Ziguind | chor and I | Kolda |
| | or Baseline Change (if any | New Indicator | | | | | | | | |
| INDICATOR TA | ARGET CALCULATIONS | | | | | | | | | |
| | | | | rget | | | | | | |
| | YEAR 1 | | Old | New | | for changes to | o targets o | r | | |
| | Oct 2010 - Sept. 201 | | N/A | N/A | calculations | (if any) | | | | |
| Explanation of | assumptions and inputs t | o target calculations | | | | | | | | |
| | YEAR 2 | | Old N/A | New N/A | | for changes to | o targets o | r | | |
| | Oct 2011 - Sept. 2012 | | | | calculations | (if any) | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 3 | | | Old | New | | Justification for changes to targets or | | | | |
| Oct 2012 - Sept. 2013 | | | N/A | N/A | calculations | (if any) | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| | YEAR 4 | | Old | New | Justification for changes to targets or | | | | New Ind | icator |
| | Oct 2013 - Sept. 201 | 14 | N/A | N/A | calculations | | Ü | | | |
| <u> </u> | | | t | 1 | 1 | | | I | | I |

| Explanation of assumptions and inputs to target calculations | | | | | | | |
|---|--|-----|---|---------------|--|--|--|
| YEAR 5 | Old | New | Justification for changes to targets or | New Indicator | | | |
| Oct 2014 - Sept. 2015 | N/A | N/A | calculations (if any) | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | |
| Long Term Target | Old | New | Justification for changes to targets or | | | | |
| | N/A | N/A | calculations (if any) | | | | |
| Explanation of assumptions and inputs to target calculations | Explanation of assumptions and inputs to target calculations | | | | | | |
| COMMENTS | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | |

3.10. Indicator RRP.10. Kilometers of rehabilitated roads on RN#2

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|---|-------------------------|---|---|-----------------|----------------|--|--------------------|---------------------------------------|--|--|
| Indicator Name | Kilometers of ref | nabilitated roads | on RN#2 | | | Version | N° 03 / 5 | Sept 2015 | | |
| Common Indicator Number | Not Applicable | e Curi | Current Indicator Number | | 0 | All Previous Indicator Numbers | RR | P.9. | | |
| Level | Output | | sification | Cumula | | Unit of Measure* | Kilo | ometers | | |
| Detailed Definition | | of rehabilitated | roads which have been | provisionally a | accept | ed. | | | | |
| Frequency of Reporting | ONLY ONCE | | | Reporting | g Peri | od Covered Compact Duration | | | | |
| | By gender (YI | | NO | | | | | | | |
| Disaggregations | By age (YES/ | | NO | | | | | | | |
| Disaggregations | By income (Y | | NO | | | | | | | |
| | By locality (YE | ES/NO) | NO | | | | | | | |
| INDICATOR JUSTIFICATION D | ETAILS | | | | | | | | | |
| Justification for Including Indi | cator | | | | | ads rehabilitated with Compact funds and | | been provisionally accepted. It | | |
| Sustained for initial and grade | | | | | | rehabilitation of RNRN2 has been achiev | | | | |
| How does the indicator link to | the ERR? | | | the assumption | n that | he objective of 120 km of RNRN2 will be | achieved. Th | e indicator will help confirm whether | | |
| | | this assumption has been met. | | | | | | | | |
| How does the indicator link to | | Not Applicable | | | | | | | | |
| How does the indicator link to evaluation? | tne impact | Not Applicable | | | | | | | | |
| Justification for Disaggregatio | nc | Not Applicable | | | | | | | | |
| INDICATOR ACQUISITION PLA | | I NOT Applicable | n Applicanie | | | | | | | |
| Entity Responsible for Collecti | | Roads Project | Diroctorato | | | | | | | |
| Point of Contact Responsible 1 | | • | | | | | | | | |
| Data at MCA: | or confecting the | Abdoulaye SY | LLA | Phone 7 | e 77.740.66.72 | | E-mail | asylla@mcasenegal.org | | |
| Entity Responsible for the coll | ection of primary | | | | | | | L | | |
| Data | collors of primary | Office of the E | e of the Engineer in charge of supervising the works on RN6 | | | | | | | |
| Detailed description of data co | llection | | | | | | | | | |
| methodology (including any cale | | Use data provided by PMU Roads, the consultant in charge of supervision and the minutes of provisional and final acceptance | | | | | | | | |
| by source) | • | | | | J | · | | · | | |
| If survey data, verbatim question(s) posed to Not Applicable | | | | | | | | | | |
| respondent | | Not Applicable | | | | | | | | |
| Detailed description of how data is transmitted from source to MCA The data is transmitted by the Roads Project Directorate with the minutes of acceptance of the concer | | | | | | rned roads a | attached in annex. | | | |
| Frequency and timing of data acquisition Only once: at the end of the works | | | | | | | | | | |
| Names of verification sources | 204413111011 | orny orice, at t | no ond of the works | | ١ | leans of verification | | | | |
| AGEROUTE Annual Report | | | | | | able of indicators | | | | |
| / OEROOTE / Illiadi Roport | GEROUTE Affilial Report | | | | | | | | | |

| Report of the Engineer in charge of supervision | | | Minutes of acceptance | | | | | |
|--|---|----------------------------------|---|--|--|--|--|--|
| Location of Data Storage | AGEROUTE ar | nd MCA-Senegal (PRR Directorate) | • | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | |
| Date of Data Quality Review | | November 2014 | November 2014 | | | | | |
| Main findings of data quality review | Average Score (out of 4) | Recommendations | RRP.10 | | | | | |
| the desired results? | VALIDITY – Does the data clearly represent | | Validite 4.0 Praticabilite 2.0 Praticabilite | | | | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 3,6 | N/A | 1.0 | | | | | |
| 3. TIMELINESS- Are the data current and frequently collected? | 4,0 | N/A | Adequation Opportunite | | | | | |
| acceptable margin of error? | 4. PRECISION – Does the data have an eptable margin of error? | | | | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 4,0 | N/A | Integrite Precision | | | | | |
| 6. APPROPRIATENESS – To what extent the indicators fully portray the results? | 4,0 | N/A | | | | | | |
| 7. PRACTICABILITY- Is the data current a frequently collected? | 4,0 | N/A | | | | | | |
| Overall assessment | 3,9 | | | | | | | |
| Action taken in response to data quality review | ew Not App | licable | | | | | | |
| Known data limitations and significance | Not App | | | | | | | |
| Actions taken to address data limitations | Not App | licable | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | |
| Old Baseline 0 | Old Baseline Ye | | j. | | | | | |
| New Baseline 0 | New Baseline Yo | ear 2010-2011 Source of New B | aseline Roads Rehabilitation Project Work Plan | | | | | |
| Justification for Baseline Change (if any) | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | |
| | Target | | | | | | | |
| YEAR 1 C | | stification for changes to | | | | | | |
| Oct 2010 - Sept. 2011 | 0 0 tai | gets or calculations (if y) | | | | | | |

| Explanation of assumptions and inputs to target calculations | | | |
|---|------------|---------|----------------------------------|
| YEAR 2 | Old | New | Justification for changes to |
| Oct 2011 - Sept. 2012 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | • | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 120 | 120 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | _ | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION | FOR DETAIL | ED CALC | LIII ATIONS (if required) |
| COLL ELMENTATION | TORDETAIL | LD ONLO | ochinolo (intoquirea) |

3.11. Indicator RRP.11. Kilometers of rehabilitated roads on RN#6

| INDICATOR BASIC DETAILS | | | | | | | | | |
|---|---------------------------|---|---|---|-------------------------------|--|--|--|--|
| Indicator Name | Kilometers of rehabilitat | ed roads on RN#6 | | Version | N° 03 / Sept 2015 | | | | |
| Common Indicator Number | Not Applicable | Current Indicator Number | RRP.11 | All Previous Indicator Numbers | RRP.10. | | | | |
| Level | Output | Classification | Cumulative | Unit of Measure* | Kilometers | | | | |
| Detailed Definition | Total number of km of re | ehabilitated roads which have been p | rovisionally accepted. | | | | | | |
| Frequency of Reporting | ONLY ONCE | | Reporting Period Covered Compact Duration | | | | | | |
| | By gender (YES/N | O) | NO | NO | | | | | |
| Disaggregations | By age (YES/NO) | | NO | | | | | | |
| Disaggregations | By income (YES/N | • | NO | | | | | | |
| | By locality (YES/N | O) | NO | | | | | | |
| INDICATOR JUSTIFICATION DE | TAILS | | | | | | | | |
| | | | | pads rehabilitated with Compact funds and | | | | | |
| Justification for Including Indica | ator | not. | | r the result concerning the rehabilitation of | | | | | |
| How does the indicator link to the | ne ERR? | The ERR is calculated on the basis confirm whether this assumption ha | | the objective of 256 km of RN6 will be achi | eved. The indicator will help | | | | |
| How does the indicator link to the | ne BA? | Not Applicable | | | | | | | |
| How does the indicator link to the | ne impact evaluation? | Not Applicable | | | | | | | |
| Justification for Disaggregation | S | Not Applicable | | | | | | | |
| INDICATOR ACQUISITION PLAN | I | | | | | | | | |
| Entity Responsible for Collectin | g Data at MCA | Roads Project Directorate | | | | | | | |
| Point of Contact Responsible fo | | | : Abdoulaye SYLLA Phone 77.740.66.72 E-mail asylla@mcasenegal.org | | | | | | |
| Entity Responsible for the collection | | | Office of the Engineer in charge of supervising the works on RN6 | | | | | | |
| Detailed description of data coll (including any calculations computed) | | Use data provided by PMU F acceptance | Use data provided by PMU Roads, the consultant in charge of supervision and the minutes of provisional and final acceptance | | | | | | |
| If survey data, verbatim question | n(s) posed to responder | nt Not Applicable | | | | | | | |
| Detailed description of how data to MCA | a is transmitted from so | urce The data is transmitted by th in annex. | The data is transmitted by the Roads Project Directorate with the minutes of acceptance of the concerned roads attached in annex. | | | | | | |
| Frequency and timing of data ac | cquisition | Only once: at the end of the | works | | | | | | |
| Names of verification sources | | | Means of verification | | | | | | |
| AGEROUTE Annual Report | | | Table of indicators | | | | | | |
| Report of the Engineer in charge of | of supervision | | Minutes of acceptance | | | | | | |
| Location of Data Storage | · | AGEROUTE and MCA-Senegal (PF | ROUTE and MCA-Senegal (PRR Directorate) | | | | | | |
| INDICATOR DATA QUALITY | | <u> </u> | | | | | | | |
| Date of Data Quality Review | | November 2014 | November 2014 | | | | | | |

| Main findings of data quality review | | verage ore (out of 4) | | Recommendation | S | | | | | |
|--|------------|------------------------------|--|--|---------------|--|--|--|--|--|
| VALIDITY – Does the data clearly represent the desired results? | | 4,0 | Use other intermediate for road works. Ex Percentage of upgrades complete (%), Percentage of civil works completed (%) a sub-base; (ii) base; (iii) surfacing; and (iv) drainage stages. | | | RRP.11 Validite 4.0 3.0 | | | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 1 | 3,6 | N/A | | | Pr | aticabilite 2.0 Fiabilite | | | |
| 3. TIMELINESS- Are the data current ar frequently collected? | ıd | 4,0 | N/A | | | | 1:0 | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | | 4,0 | N/A | | | Adeq | Uation Opportunite | | | |
| 5. INTEGRITY- Is the data free from manipulation? | | 4,0 | N/A | | | | | | | |
| 6. APPROPRIATENESS – To what exte do the indicators fully portray the results? | | 4,0 | N/A | | | Integrite Precision | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | | 4,0 | N/A | | | | | | | |
| Overall assessment | | 3,9 | | | | | | | | |
| Action taken in response to data quality re | view | | | cable | | | | | | |
| Known data limitations and significance | | Not Applicable | | | | | | | | |
| Actions taken to address data limitations | | Not A | Applicable | | | | | | | |
| INDICATOR BASELINE INFORMATION | 1 | | | | | | | | | |
| Old Baseline 0 | | seline Year | | 2010-2011 | | of old Baseline Roads Rehabilitation Project Work Plan | | | | |
| New Baseline 0 | New Ba | aseline Yea | r | 2010-2011 | Source of Nev | <i>I</i> Baseline | Roads Rehabilitation Project Work Plan | | | |
| Justification for Baseline Change (if any) | | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | Ten | act | | | | | | | | |
| YEAR 1 | Tar Old | | less | tification for abances 1- | | | | | | |
| Oct 2010 - Sept. 2011 | 0 | New 0 | | tification for changes to gets or calculations (if any | ۸ | | | | | |
| Explanation of assumptions and inputs | U | U | iaiy | jets of calculations (if all) | <i>()</i> | | | | | |
| to target calculations | | | | | | | | | | |
| YEAR 2 | New | Justification for changes to | | | | | | | | |
| Oct 2011 - Sept. 2012 | 0 | | gets or calculations (if any | <i>(</i>) | | | | | | |
| Explanation of assumptions and inputs | 0 | | 1 9 | jete or carcarations (if an | | | | | | |
| to target calculations | | | | | | | | | | |
| YEAR 3 | Old | New | | | | | | | | |

| | | 1 | |
|---------------------------------------|-----------|-----------|----------------------------------|
| Oct 2012 - Sept. 2013 | 0 | 0 | Justification for changes to |
| Oct 2012 Ocpt. 2013 | | U | targets or calculations (if any) |
| Explanation of assumptions and inputs | I | | |
| to target calculations | <u> </u> | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs | 1 | • | |
| to target calculations | 1 | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 252 | 252 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | • | |
| to target calculations | 1 | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | İ | | |
| COMMENTS | | | |
| | D DETAIL | ED OAL OI | ATIONS (if a mains a) |
| SUPPLEMENTARY DOCUMENTATION FO | JK DETAIL | ED CALCI | ULATIONS (IF required) |
| | | | |

3.12. Indicator RRP.12. Kilometers of roads under design

| INDICATOR BASIC DETAILS | | | | | | | | | |
|--|---------------------------|--|--|------------------------------|-------------|-----------------------|--|--|--|
| Indicator Name | Kilometers of roads under | | | Version | | N° 03 / Sept 2015 | | | |
| Common Indicator Number | (R-3) | Current Indicator Number | RRP.12 | All Previous Indicator Numbe | | RRP.11. | | | |
| Level | Process | Classification | Cumulative | Unit of Measure* | | Kilometers | | | |
| Detailed Definition | | neters under design contracts. | rs under design contracts. This includes designs for building new roads and reconstructing, rehabilitating | | | | | | |
| | upgrading existing roads | | | | | | | | |
| Frequency of Reporting | ANNUAL | | Reporting Period C | Covered Compact Dura | ation | | | | |
| | By gender (YES/NO) | | NO | | | | | | |
| Disaggregations | By age (YES/NO) | | NO | | | | | | |
| | By income (YES/NO) | | NO | | | | | | |
| WELL TOP WATER ATION OF | By locality (YES/NO) | | YES (RN2/RN6) | | | | | | |
| INDICATOR JUSTIFICATION DE | | | | | | | | | |
| Justification for Including Indica | | | mation on the number of Km ta | argeted by the study and sup | ervision co | ontracts. | | | |
| How does the indicator link to the | | Not Applicable | | | | | | | |
| How does the indicator link to the | ne BA? | Not Applicable | | | | | | | |
| How does the indicator link to the | • | Not Applicable | | | | | | | |
| Justification for Disaggregations | | Not Applicable | | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | | |
| Entity Responsible for Collecting | | Roads Project Directorate | | | | | | | |
| Point of Contact Responsible for MCA: | r Collecting the Data at | Abdoulaye SYLLA | Phone | 77.740.66.72 | E-mail | asylla@mcasenegal.org | | | |
| Entity Responsible for the collection | ction of primary Data | Project managers RN2 and R | N6 / MCA-S | | | <u> </u> | | | |
| Detailed description of data colle (including any calculations comput | | Use data of the signed contra | cts for RN#2 and RN#6 | | | | | | |
| If survey data, verbatim question | n(s) posed to respondent | Not Applicable | Not Applicable | | | | | | |
| Detailed description of how data source to MCA | is transmitted from | The data is transmitted by the PRR to the MED through the annual or quarterly report. The contracts signed for the studies and supervision are also transmitted to the MED, for information. | | | | | | | |
| Frequency and timing of data ac | quisition | ANNUAL | | | | | | | |
| Names of verification sources | | | Means of verification | | | | | | |
| Roads Project Report | | | Table of indicators | | | | | | |
| Report Procurement Directorate | | | | Contracts signed for the PRI | R studies | and supervision | | | |
| Location of Data Storage | | MCA-Senegal (RRP) | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | |
| Date of Data Quality Review | | Novemb | per 2014 | | | | | | |

| Main findings of data quality review | Average Score (out of 4) | Recommendation | ns RRP.12 | | | | | |
|--|--------------------------|-------------------|---|--|--|--|--|--|
| 1. VALIDITY – Does the data clearly represent the desired results? | 4,0 | N/A | Validite | | | | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | 3,6 | N/A | Praticabilite 3.0 Fiabilite | | | | | |
| 3. TIMELINESS- Are the data current and frequently collected? | 4,0 | N/A | 2.0 | | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | 3,2 | N/A | | | | | | |
| 5. INTEGRITY- Is the data free from manipulation? | 4,0 | N/A | Adequation Opportunite | | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | 4,0 | N/A | | | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | 4,0 | N/A | Integrite Precision | | | | | |
| Overall assessment | 3,8 | | | | | | | |
| Action taken in response to data quality review | Not Applicable | | | | | | | |
| Known data limitations and significance | Not Applicable | | | | | | | |
| Actions taken to address data limitations | Not Applicable | | | | | | | |
| INDICATOR BASELINE INFORMATION | | 1 | | | | | | |
| | 2010-2011 | Source of old Ba | | | | | | |
| | 2010-2011 | Source of New E | Baseline Roads Rehabilitation Project Work Plan | | | | | |
| Justification for Baseline Change (if any) | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | |
| Target | | | | | | | | |
| YEAR 1 Old New | Justification fo | | | | | | | |
| Oct 2010 - Sept. 2011 406 406 | | ulations (if any) | | | | | | |
| to target calculations | · , | · , , | of which are optional. | | | | | |
| YEAR 2 Old New | Justification fo | | | | | | | |
| Oct 2011 - Sept. 2012 406 406 | targets or calcu | ulations (if any) | | | | | | |

| Explanation of assumptions and inputs | | | |
|--|-----------|----------|----------------------------------|
| to target calculations | | | |
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | 406 | 406 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 406 | 406 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 406 | 406 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| Long rorm raigot | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FO | R DETAILI | ED CALCU | CULATIONS (if required) |
| | | | |

3.13. Indicator RRP.13. Value of signed road feasibility and design contracts

| INDICATOR BASIC DETAILS | | | | | | | | | |
|-----------------------------------|---|--|--|-----------------------|----------------------|-----------------------|--------------------|-------------------------|--|
| Indicator Name | Value of signed road feasibility a | and design c | ontracts | | | Version | | N° 03 / Sept 2015 | |
| Common Indicator Number | (R-1) | Current Indi | cator Number | | RRP.13 | All Previous In | ndicator Number | s RRP.12. | |
| Level | | Classificatio | | | Cumulative | Unit of Measur | | US\$ | |
| Detailed Definition | | | design, and environmental contracts including resettlement action plans, for road investments using 609(g) and compact | | | | | | |
| | | supervision (| pervision contracts, which cannot be separated from the other studies) | | | | | | |
| Frequency of Reporting | QUARTERLY | | Reporting Period Covered Compact Duration | | | | | | |
| | By gender (YES/NO) | | NO | | | | | | |
| Disaggregations | By age (YES/NO) | NO | | | | | | | |
| 33 3 | By income (YES/NO) | | NO VES (DN2/DN4) | | | | | | |
| INDICATOR WIGHTING | By locality (YES/NO) | | YES (RN2/RN6 | 5) | | | | | |
| INDICATOR JUSTIFICATION | DETAILS | T=1 1 11 1 | | | | | | | |
| Justification for Including Inc | dicator | RN2 and R | or provides informatio !N6. | n on the to | otal value of studie | es and supervision co | ontracts signed to | r the renabilitation of | |
| How does the indicator link to | Not Applica | able | | | | | | | |
| How does the indicator link to | Not Applicable | | | | | | | | |
| How does the indicator link to | Not Applicable | | | | | | | | |
| Justification for Disaggregati | Indicator w | ill be disaggregated by | y road as | well as lot. | | | | | |
| INDICATOR ACQUISITION PL | | | | | | | | | |
| Entity Responsible for Collect | cting Data at MCA | Roads Project Directorate | | | | | | | |
| Point of Contact Responsible MCA: | Abdoulaye SYLLA Phone 77.740.66.72 E-mail asylla@mcas | | | asylla@mcasenegal.org | | | | | |
| Entity Responsible for the co | Illection of primary Data | Roads Project Directorate | | | | | | | |
| Detailed description of data of | | Use data of signed study contracts for RN#2 and RN#6 | | | | | | | |
| (including any calculations com | | | | | | | | | |
| If survey data, verbatim ques | ` ' ' | Not Applicable | | | | | | | |
| | data is transmitted from source | | | | | | | | |
| to MCA | | sent to the M&E Directorate. | | | | | | | |
| Frequency and timing of data | | QUARTER | RLY | | ı | | | | |
| Names of verification source | | | | | | of verification | | | |
| Quarterly or annual PRR Repor | | | | | | indicators | | | |
| Annual Report Procurement Di | rectorate | 1 . | | | | n the signed contract | İS | | |
| Location of Data Storage | | Roads Pro | ject Directorate and P | rocureme | nt Directorate | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | |
| Date of Data Quality Review | | | Nov | ember 20 | 14 | | | | |

| Main findings of data quality review | , | | Average Score (out of 4) | Recommenda | II | |
|--|--|----------------------|--------------------------|---------------------|--|--|
| 1. VALIDITY – Does the data cle | arly represent the | desired results? | 4,0 | N/A | RRP.13 | |
| | 2. RELIABILITY – Are the data collection procedures stable and consistent over time? | | | N/A | Validite 4.0 | |
| 3. TIMELINESS- Are the data current and frequently collected? | | | 4,0 | N/A | | |
| 4. PRECISION – Does the data have an acceptable margin of error? | | | 3,2 | N/A | Praticabilite 3.0 Fiabilite | |
| 5. INTEGRITY- Is the data free from manipulation? | | | 4,0 | N/A | 1.0 | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | | | 4,0 | N/A | Adequation Opportunite | |
| 7. PRACTICABILITY- Is the data | current and frequ | ently collected? | 4,0 | N/A | | |
| Overall assessment | | 3,8 | | Integrite Precision | | |
| Action taken in response to data quality review | | | Not Applicable | 1 | | |
| Known data limitations and significance | | | Not Applicable | | | |
| Actions taken to address data limita | ations | | Not Applicable | | | |
| INDICATOR BASELINE INFORMATI | ON | | | | | |
| Old Baseline 0 | | eline Year | 2010-2011 | Source of o | f old Baseline Roads Rehabilitation Project Work Plan | |
| New Baseline 0 | New Bas | eline Year | 2010-2011 | Source of N | New Baseline Roads Rehabilitation Project Work Plan | |
| Justification for Baseline Change (i | f any) | <u>.</u> | | | | |
| INDICATOR TARGET CALCULATION | | | | | | |
| | Tar | | | | | |
| YEAR 1 | Old | New | Justification for cl | | | |
| Oct 2010 - Sept. 2011 | 2 345 311 | 2 345 311 | targets or calculat | tions (if any) | | |
| Explanation of assumptions and inputs to target calculations | | | | | | |
| YEAR 2 Old New | | Justification for cl | | | | |
| Oct 2011 - Sept. 2012 2 345 311 2 345 311 | | targets or calculat | tions (if any) | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | |
| YEAR 3 | Old | New | Justification for cl | | | |
| Oct 2012 - Sept. 2013 | 9 794 690 | 9 794 690 | targets or calculat | tions (if any) | | |

| Explanation of assumptions and | | | |
|--|----------------|-------------|----------------------------------|
| inputs to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 9 794 690 | 9 794 690 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 9 794 690 | 9 794 690 | targets or calculations (if any) |
| Explanation of assumptions and | | | |
| inputs to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and | | | |
| inputs to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION | ON FOR DETAILI | ED CALCULAT | TIONS (if required) |
| | | | |

3.14. Indicator RRP.14. Percent disbursed of road feasibility and design contracts

| INDICATOR BASIC DETAILS | | | | | | | | |
|--|--|---|---|---|--|---------------------------------------|------------------------------------|--|
| Indicator Name | Percent disbursed of road fe | asibility and design | contracts | | | Version | | N° 03 / Sept 2015 |
| Common Indicator Number | (R-2) | Current Indicato | r Number | RRP.14 | | All Previous Inc | dicator Number | s RRP.13. |
| Level | Process | Classification | | Cumulati | | Unit of Measure | | Percentage |
| Detailed Definition | The total amount of all signed the total value of all signed of | | , and environr | mental contracts, | ncluding resettlem | ent action plans, | for road investm | ents disbursed divided by |
| Frequency of Reporting | QUARTERLY | | Reporting Period Covered Compact Duration | | | | | |
| | By gender (YES/NO) | | NO | | | | | |
| D: " | By age (YES/NO) | | NO | | | | | |
| Disaggregations | By income (YES/NO) | | NO | | | | | |
| | By locality (YES/NO) | | YES (R | N2/RN6) | | | | |
| INDICATOR JUSTIFICATION DE | TAILS | | | <u> </u> | | | | |
| Justification for Including Indica | ator | The indicator contracts. It is a pro | shows the pe oxy indicator v | rcentage of disbu vhich gives an ide | rsements or payme a of the progress r | ents made under made in the studie | the RN2 and RN es and supervisi | l6 studies and supervision on contracts. |
| How does the indicator link to the ERR? | | Not Applicabl | | <u> </u> | | | • | |
| How does the indicator link to the BA? | | Not Applicabl | | | | | | |
| How does the indicator link to the | ne impact evaluation? | Not Applicabl | | | | | | |
| Justification for Disaggregations | | Indicator will be disaggregated by road as well as lot. It will also be disaggregated by type of study: ODA+DAO, RAP, Environmental Audit, and Environmental Monitoring. | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | |
| Entity Responsible for Collecting | | Roads Project Directorate | | | | | | |
| Point of Contact Responsible fo MCA: | ŭ | Abdoulaye SYLLA | | Phone 77.740.66.72 | | | E-mail as | ylla@mcasenegal.org |
| Entity Responsible for the collect | ction of primary Data | Roads Project Directorate | | | | | | |
| Detailed description of data colle (including any calculations comput | Use the contract data and those on the disbursements provided by the Fiscal Agent Numerator = Total cumulative amount of disbursements Denominator = Amount of contract signed for the RN#2 and RN#6 studies | | | | | | | |
| If survey data, verbatim question | Not Applicable | | | | | | | |
| Detailed description of how data source to MCA | is transmitted from | The data is transmitted by the PRR with the contracts payment certificates in annex. The exchange is made at the current dollar rate if the amount is fully or partly paid in local currency. | | | | | | |
| Frequency and timing of data ac | s.anj or parti | , para il local cult | <u>-</u> | | | | | |
| Names of verification sources | | QUARTERLY | | | | Means of v | verification | |
| Quarterly or annual PRR Report | | | | | | Table of inc | | |

| DAF Report | | | | | | | | Payments under ongoing contracts | | | |
|--|------------------|-------------------------|--------------------------------|----------|---------------------------------------|-----------|--------------|--|--|--|--|
| Location of Data S | Storage | | MCA | -Sénéga | al (RRP) | | | | | | |
| INDICATOR DATA | QUALITY | | | | | | | | | | |
| Date of Data Quali | ty Review | | | | | November | 2014 | | | | |
| Main findings of d | | | Average Score (out of 4) | Recommer | ndations | RRP.14 | | | | | |
| 1. VALIDITY - | - Does the data | clearly represent the | desired resul | ts? | 4,0 | N/A | | Validite | | | |
| 2. RELIABILIT | | ta collection procedure | es stable and | | 3,6 | N/A | | 4.0 Praticabilite 3.0 Fiabilite | | | |
| 3. TIMELINES | SS- Are the data | a current and frequent | y collected? | | 4,0 | N/A | | 2.0 | | | |
| | | ata have an acceptable | | rror? | 3,2 | N/A | 1.0 | | | | |
| | | ee from manipulation? | | | 4,0 | N/A | | Adequation Opportunite | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? | | | | | 4,0 | N/A | | | | | |
| 7. PRACTICABILITY- Is the data current and frequently collected? | | | | | 4,0 | N/A | | | | | |
| Overall assessment | | | | | 3,8 | | | Integrite Precision | | | |
| Action taken in re | sponse to data | quality review | | | Not Applicable | | | | | | |
| Known data limita | | | | | Not Applicable | | | | | | |
| Actions taken to a | | | | | Not Applicable | | | | | | |
| INDICATOR BASE | LINE INFORM | ATION | | | | | | | | | |
| Old Baseline | 0% | Old Baseline Year | | 2 | 010-2011 | Source of | old Baseline | ne Roads Rehabilitation Project Work Plan | | | |
| New Baseline | 0% | New Baseline Year | | 2 | 010-2011 | Source of | New Baselir | ine Roads Rehabilitation Project Work Plan | | | |
| Justification fo Change (i | f any) | | | | | | | | | | |
| INDICATOR TARG | ET CALCULAT | | | | | | | | | | |
| | | Target | | | | | | | | | |
| | | | | | ation for chang | | | | | | |
| | | | | | or calculations | (if any) | | | | | |
| Explanation of assinputs to target ca | lculations | | | _ | | | | | | | |
| YEAF Oct 2011 - S | | Old 21% | New 21% | | fication for cha ets or calculatio | | | | | | |

| Explanation of assumptions and | | | |
|--|----------------|------------|----------------------------------|
| inputs to target calculations | | | |
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | 52% | 52% | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 81% | 81% | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 100% | 100% | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and | | | |
| inputs to target calculations | | | |
| COMMENTS | · | | |
| SUPPLEMENTARY DOCUMENTAT | ION FOR DETAIL | ED CALCULA | ATIONS (if required) |

3.15. Indicator RRP.15. Value disbursed of road feasibility and design contracts

| INDICATOR BASIC DETAILS | | | | | | | | |
|--|----------------------|--|--|--|---------------------------------------|-----------------------|--|--|
| Indicator Name | Value disbursed of r | oad feasibility and design contrac | ts | | Version | N° 03 / Sept 2015 | | |
| | (D. 0.4) | | DDD 45 | | | N | | |
| Common Indicator Number | (R-2.1) | Current Indicator Number | RRP.15 | | All Previous Indicator Number | | | |
| Level | Process | Classification | Cumulat | | Unit of Measure* | \$US | | |
| Detailed Definition | resettlement action | disbursements under signed cont plans (RAPs), for road investmen | racts for road fea ts funded under th | sibility, design stud ne Compact and 60 | ies and environmental audit and 1999. | monitoring, including | | |
| Frequency of Reporting | QUATERLY | | Reporting | Period Covered | Compact Duration | | | |
| | By gender (YE | S/NO) | NO | | | | | |
| Diagram and and | By age (YES/N | IO) | NO | | | | | |
| Disaggregations | By income (YE | S/NO) | NO | | | | | |
| | By locality (YE | S/NO) | YES (RI | 12/RN6) | | | | |
| INDICATOR JUSTIFICATION DETAI | LS | | | | | | | |
| Justification for Including Indicator | | The indicator refers to the total amount of disbursements or payments made under the contracts for the RN2 and RN6 studies and upervision. It is a proxy indicator which helps us to get an idea of the funds disbursed under the study and supervision contracts. | | | | | | |
| How does the indicator link to the E | RR? | N/A | • | - U | | , , | | |
| How does the indicator link to the E | BA? | N/A | | | | | | |
| How does the indicator link to the in | mpact evaluation? | N/A | | | | | | |
| Justification for Disaggregations | | The indicator will be disaggregated by road and by work lot. It will also be broken down into study types: APD + DAO, RAP, environmental audit and environmental monitoring. | | | | | | |
| INDICATOR ACQUISITION PLAN | | | | | | | | |
| Entity Responsible for Collecting D | | Roads Project Directorate | | | | | | |
| Point of Contact Responsible for Coat MCA: | ollecting the Data | Abdoulaye SYLLA | Phone | 77.740.66.72 | E-mail a | sylla@mcasenegal.org | | |
| Entity Responsible for the collectio | n of primary Data | Roads Project Directorate | | | | | | |
| Detailed description of data collection (including any calculations computed | | Use of the contract data and those related to the amounts of disbursements provided by the Fiscal Agent. | | | | | | |
| If survey data, verbatim question(s) respondent | | Non Applicable | on Applicable | | | | | |
| Detailed description of how data is source to MCA | transmitted from | The data are sent by the RRP, v payment is made, wholly or part | | th the attached contract disbursement certificates. The dollar is converted at the daily rate if the α , in local currency. | | | | |
| Frequency and timing of data acqui | isition | QUATERLY | • | • | | | | |
| Names of verification sources | | 1 | | | Means of verification | | | |
| RRP Project quaterly or annual report | | | | | Indicators Table | | | |
| | | | | | • | | | |

| Location of Data Storage MCA-Senegal (RRP) MIDICATOR DATA QUALITY Date of Data Quality review Main findings of data quality review Main findings of data quality review N/A 1. VALIDITY – Does the data clearly represent the desired results? 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? N/A 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Action taken in response to data quality review Known data initiations and significance Not Applicable Actions taken to address data limitations Not Applicable NOTAOPICATOR BASELINE INFORMATION Old Baseline NW Old Baseline NW Old Baseline Nw Old Baseline Nw Old Baseline Nw Old Baseline Nw Old Baseline Nw Old Baseline Nw Old New Baseline New Baseline Old New Baseline VEAR 1 Old New Oct 2010 – Sept. 2011 N/A 881 522 Not Application for changes to altrigets or calculations (if any) | Procurement Report | | | | | | | | Payments on current contracts | | |
|--|------------------------|--------------------|-----------------|---------------|-----------|---------------------------|--------------|------------|-------------------------------|--|--|
| NDICATOR DATA QUALITY | | age | | MCA | A-Senegal | (RRP) | | | | | |
| Main findings of data quality review Main findings of data quality review N/A 1. VALIDITY – Does the data clearly represent the desired results? 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? N/A New indicator N/A Source of ld Baseline | | 0 | | | <u> </u> | | | | | | |
| Main findings of data quality review 1. VALIDITY – Does the data clearly represent the desired results? 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY is the data current and frequently collected? Action taken in response to data quality review Not Applicable Known data limitations and significance Not Applicable Mold Asseline Not Applicable INDICATOR BASELINE INFORMATION Old Baseline Not May Source of old Baseline New Baseline Not Not May Source of New Baseline Not Reproposation of New Baseline Not Rep | Date of Data Quality F | Review | | | | | | | | | |
| 1. VALIDITY – Does the data clearly represent the desired results? 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS. Are the data current and frequently collected? N/A 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Action taken in response to data quality review Known data limitations and significance Not Applicable Known data limitations and significance Not Applicable INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year Old Average of Indicators of New Baseline (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old N/A N/A New indicator N/A N/A New indicator N/A New indicator N/A N/A New indicator N/A N/A New indicator N/A N/A New indicator N/A N/A New indicator N/A N/A New indicator N/A N/A New indicator N/A N/A New indicator N/A N/A New indicator N/A New indic | Main findings of data | quality review | | | | Average score | Recommanda | tions | | | |
| 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS- Are the data current and frequently collected? N/A 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? N/A 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY: Is the data current and frequently collected? Action taken in response to data quality review Not Applicable Known data limitations and significance Actions taken to address data limitations Not Applicable MINICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline O New Baseline Year 2014-2015 Source of New Baseline RRP Work plan INDICATOR TARGET CALCULATIONS WEAR YEAR 1 Old New Justification for changes to calculations (if any) | Main findings of | data quality re | eview | | | | N/A | | | | |
| consistent over time? 3. TIMELINESS- Are the data current and frequently collected? 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable Known data limitations and significance Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION Old Baseline New Baseline New Baseline Change (if any) INDICATOR TARGET CALCULATIONS YEAR 1 Old New Justification for changes to largets or calculations (if any) INSIGNATION (| 1. VALIDITY – Do | es the data cle | arly represent | the desired | results? | | N/A | | | | |
| 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Action taken in response to data quality review Known data limitations and significance Not Applicable Actions taken to address data limitations Not Applicable MIDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline Change (if any) INDICATOR TARGET CALCULATIONS YEAR 1 Old New Justification for changes to targets or calculations (if any) INSIGNATION NEW APPROPRIATE INFORMATION NEW APPROPRIATE INFORMATION NEW Baseline Change (if any) Justification for changes to targets or calculations (if any) | | - Are the data co | ollection proce | dures stable | and | | N/A | N/A | | | |
| error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Action taken in response to data quality review Not Applicable Known data limitations and significance Not Applicable Known data limitations and significance Not Applicable INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline O New Baseline Year 2014-2015 Source of New Baseline RRP Work plan INDICATOR TARGET CALCULATIONS INDICATOR TARGET CALCULATIONS YEAR 1 Old New Justification for changes to targets or calculations (if any) | 3. TIMELINESS- | Are the data cu | rrent and frequ | ently collect | ted? | | N/A | | New indicator | | |
| 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline New Baseline Change (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old New Justification for changes to targets or calculations (if any) | | Does the data h | nave an accept | table margin | of | | N/A | | | | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline RRP Work plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | | the data free fr | om manipulati | on? | | | N/A | | | | |
| portray the results? 7. PRACTICABILITY- Is the data current and frequently collected? Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline RRP Work plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | | | | | fully | | NI/A | | | | |
| Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline New Baseline O New Baseline Year 2014-2015 Source of New Baseline RRP Work plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | l | | | | | | IV/A | | | | |
| Known data limitations and significance Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline RRP Work plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | | ntly collected | | | | | | | | | |
| Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline RRP Work plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | | | | | | | | | | | |
| INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline RRP Work plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | | | | | | | | | | | |
| Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline RRP Work plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old New Justification for changes to 0 targets or calculations (if any) | | | | | | Not Applicable | | | | | |
| New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline RRP Work plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old New Justification for changes to targets or calculations (if any) New Baseline RRP Work plan RRP Work plan RRP Work plan RRP Work plan RRP Work plan RRP Work plan RRP Work plan RRP Work plan RRP Work plan RRP Work plan Indication for Changes to targets or calculations (if any) | | | | | | | | | | | |
| Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old New Justification for changes to targets or calculations (if any) | | | | | | | | | | | |
| (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old New Justification for changes to targets or calculations (if any) Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | | | New Baselin | e Year | 20 | 14-2015 | Source of Ne | w Baseline | RRP Work plan | | |
| INDICATOR TARGET CALCULATIONS Target | | eline Change | | | | | | | | | |
| Target YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | , ,, | | | | | | | | | | |
| YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | INDICATOR TARGET | <u>CALCULATIOI</u> | | | | | | | | | |
| Oct 2010 - Sept. 2011 N/A 881 522 targets or calculations (if any) | VEAD | 1 | | | 1 1.0 | ı. c ı | | | | | |
| | | | | | | | | | | | |
| | | | | | | JI CAICUIALIUIIS | (II ally) | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| | | | | | | tification for changes to | | | | | |
| Oct 2011 - Sept. 2012 N/A 2 056 884 targets or calculations (if any) | | | | | | | | | | | |
| Explanation of assumptions and | | | . 4// 1 | 2 000 00 | 1 -2. 900 | 2. 22.06.40101 | ()/ | | | | |
| inputs to target calculations | | | | | | | | | | | |
| YEAR 3 Old New Justification for changes to | | | Old | New | Justif | ication for char | nges to | | | | |
| Oct 2012 - Sept. 2013 N/A 5 093 238 targets or calculations (if any) | Oct 2012 - Sep | ot. 2013 | N/A | 5 093 238 | | | | | | | |

| Explanation of assumptions and | | | |
|--|----------|-------------|----------------------------------|
| inputs to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | N/A | 7 933 698 | targets or calculations (if any) |
| Explanation of assumptions and inputs to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | N/A | 9 794 690 | targets or calculations (if any) |
| Explanation of assumptions and | | | |
| inputs to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and | | | |
| inputs to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION | FOR DETA | AILED CALCU | JLATIONS (if required) |
| | | | |

3.16. Indicator RRP.16. Value of signed road construction contracts

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|---|---------------------------|--|--|-------------------------------|---------------------|---------------------------|--|--|--|--|
| Indicator Name | Value of signed road cons | struction contracts | | Version | | N° 03 / Sept 2015 | | | | |
| Common Indicator Number | (R-4) | Current Indicator Number | RRP.16 | All Previous Indic | ator Numbers | RRP.14. / RRP.15. | | | | |
| Level | Process | Classification | Cumulative | Unit of Measure* | | US\$ | | | | |
| Detailed Definition | | instruction contracts for new roads the RN2, RN6, and the Kolda and | | tation, resurfacing or upgra | ading of existing i | roads using compact funds | | | | |
| Frequency of Reporting | QUARTERLY | | Reporting Period Cover | re d Durati | ion of the Compa | ct | | | | |
| | By gender (YES/NC | | NO | | | | | | | |
| Disaggregations | By age (YES/NO) | | NO | | | | | | | |
| Disaggregations | By income (YES/NC | | NO | | | | | | | |
| | By locality (YES/NO |) | YES (RN2/Ndioum | Bridge/RN6 Lot 1/RN6 Lot | 2/RN6 Lot 3) | | | | | |
| INDICATOR JUSTIFICATION D | ETAILS | | | | | | | | | |
| Justification for Including Indi | cator | The indicator provides informatic Bridges. | on on the total value of con | tracts for the rehabilitation | of the RN2, RN6 | and the Kolda and Ndioum | | | | |
| How does the indicator link to | the ERR? | Not Applicable | | | | | | | | |
| How does the indicator link to | the BA? | Not Applicable | | | | | | | | |
| How does the indicator link to | the impact evaluation? | Not Applicable | | | | | | | | |
| Justification for Disaggregatio | ns | Indicator will be disaggregated by road as well as by lot.(for the RN6: RN6 Lot1, RN6Lot2, RN6 Lot3, Kolda Bridge; for RN2: RN2 and Ndioum Bridge) | | | | | | | | |
| INDICATOR ACQUISITION PLA | AN . | | | | | | | | | |
| Entity Responsible for Collecti | ing Data at MCA | Roads Project Directorate | | | | | | | | |
| Point of Contact Responsible at MCA: | for Collecting the Data | Abdoulaye SYLLA | Phone | 77.740.66.72 | E-mail a | sylla@mcasenegal.org | | | | |
| Entity Responsible for the coll | | MCA-S Project Managers for RN2 and RN6 | | | | | | | | |
| Detailed description of data co (including any calculations comp | | Use data of contracts signed for works on RN#2, RN#6 and Ndioum and Kolda Bridges | | | | | | | | |
| If survey data, verbatim questi respondent | on(s) posed to | Not Applicable | | | | | | | | |
| Detailed description of how da source to MCA | ta is transmitted from | The data is transmitted by the Pf | ta is transmitted by the PRR through the annual and quarterly reports. The works contracts are also sent to the MED. | | | | | | | |
| Frequency and timing of data | acquisition | QUARTERLY | | | | | | | | |
| Names of verification sources | | | Means of verification | | | | | | | |
| Quarterly or annual PRR Report | | | Table of indicators | | | | | | | |
| Annual Report Administrative an | d Financial Directorate | | Report on payments / Fin | ancial implementation repo | ort | | | | | |
| Location of Data Storage | | Roads Project Directorate and P | Roads Project Directorate and Procurement Directorate | | | | | | | |

| INDICATOR DATA QUALITY | | | | | | | | | | |
|---|---------------------------|----------|----------------------------------|--------|---------------------------|--|--|--|--|--|
| Date of Data Quality Review | | | | J | June 2013 | | | | | |
| Main findings of data quality review | w | | Average Sc (out of 4) | | Recommendations | RPP.16 Validité | | | | |
| 1. VALIDITY – Does the data cl results? | | 4,0 | | N/A | Praticabilité 3 Fiabilité | | | | | |
| 2. RELIABILITY – Are the data and consistent over time? | · | stable | 3,6 | | N/A | 2 Plabilite | | | | |
| 3. TIMELINESS- Are the data c collected? | | | 4,0 | | N/A | | | | | |
| 4. PRECISION – Does the data error? | • | argin of | 3,2 | | N/A | Adéquation Opportunité | | | | |
| 5. INTEGRITY- Is the data free | | | 4,0 | | N/A | | | | | |
| 6. APPROPRIATENESS – To v fully portray the results? | what extent do the indic | ators | 4,0 | | N/A | | | | | |
| 7. PRACTICABILITY- Is the dat collected? | у | 4,0 | | N/A | Intégrité Précision | | | | | |
| Overall assessment | Overall assessment | | | | | | | | | |
| Action taken in response to data q | uality review | | Not Applicab | ble | | | | | | |
| Known data limitations and significant | | | Not Applicat | | | | | | | |
| Actions taken to address data limit | | | Not Applicat | | | | | | | |
| INDICATOR BASELINE INFORMAT | TION | | | | | | | | | |
| | Old Baseline Year | 201 | 0-2011 | Source | e of old Baseline | Roads Rehabilitation Project Work Plan | | | | |
| New Baseline 0 N | lew Baseline Year | 201 | 0-2011 | Source | e of New Baseline | Roads Rehabilitation Project Work Plan | | | | |
| Justification for Baseline Change (if any) | | | | | | | | | | |
| INDICATOR TARGET CALCULATION | | | | | | | | | | |
| | Target | | | | | | | | | |
| YEAR 1 | Old | New | | | or changes to | | | | | |
| Oct 2010 - Sept. 2011 | Oct 2010 - Sept. 2011 0 0 | | targets or cal | | ulations (if | | | | | |
| Explanation of assumptions and | | | | | | | | | | |
| inputs to target calculations | | T | | | | | | | | |
| YEAR 2 Old New | | | Justification | | | | | | | |
| Oct 2011 - Sept. 2012 | 0 | 0 | targets or calculations (if any) | | | | | | | |

| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
|---|-------------|-------------|----------------------------------|---|--|--|--|--|--|
| YEAR 3 | Old | New | Justification for changes to | | | | | | |
| Oct 2012 - Sept. 2013 | 258 924 397 | 258 924 397 | targets or calculations (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| YEAR 4 | Old | New | Justification for changes to | | | | | | |
| Oct 2013 - Sept. 2014 | 258 924 397 | 258 924 397 | targets or calculations (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| YEAR 5 | Old | New | Justification for changes to | | | | | | |
| Oct 2014 - Sept. 2015 | 258 924 397 | 258 924 397 | targets or calculations (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| Long Term Target | Old | New Ju | ustification for changes to | | | | | | |
| | N/A | N/A tar | argets or calculations (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| COMMENTS | | | | | | | | | |
| SUPPLEMENTARY DOCUMENTATION FOR DETAILED CALCULATIONS (if required) | | | | | | | | | |
| | | | | Ų | | | | | |

3.17. Indicator RRP.17. Percent disbursed of road construction contracts

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|---|---|---|---|---|------------------------------|----------------|----------------------------|--|--|--|
| Indicator Name | Percent disbursed of road co | onstruction contra | cts | | Version | | N° 03 / Sept 2015 | | | |
| Common Indicator Number | (R-5) | Current In | dicator Number | RRP.17 | All Previous Indicator N | lumbers | RRP.15. / RRP.16. | | | |
| Level | Process | Classifica | tion | Cumulative | Unit of Measure* | | Percentage | | | |
| Detailed Definition | The total amount of all signe divided by the total value of | | | ds or reconstruction, rel | habilitation, resurfacing or | upgrading of e | existing roads disbursed | | | |
| Frequency of Reporting | QUARTERLY | | | Reporting Period | Covered Compact D | Ouration | | | | |
| | By gender (YES/NO) | | NO | | | | | | | |
| Disaggragations | By age (YES/NO) | | NO | | | | | | | |
| Disaggregations | By income (YES/NO) | | NO | | | | | | | |
| | By locality (YES/NO) | | YES (RN2/N | Ndioum Bridge/RN6 Lot | 1/RN6 Lot 2/RN6 Lot 3) | | | | | |
| INDICATOR JUSTIFICATION D | ETAILS | | | | | | | | | |
| Justification for Including Indi | cator | | | ntage disbursed for the al completion of road wo | RN#2 and RN#6 works colorks. | ntracts. | | | | |
| How does the indicator link to | the ERR? | Not Applicable | | | | | | | | |
| How does the indicator link to | the BA? | Not Applica | ble | | | | | | | |
| How does the indicator link to | the impact evaluation? | Not Applica | ble | | | | | | | |
| Justification for Disaggregation | ns | Indicator wi RN2: RN2 and N | | d by road as well as by I | ot(for the RN6: RN6 Lot1 | I, RN6Lot2, R | N6 Lot3, Kolda Bridge; for | | | |
| INDICATOR ACQUISITION PLA | AN | | <u> </u> | | | | | | | |
| Entity Responsible for Collect | ing Data at MCA | Roads Project Directorate | | | | | | | | |
| Point of Contact Responsible MCA: | ŭ | Abdoulaye SYLL | A | Phone | 77.740.66.72 | E-mail | asylla@mcasenegal.org | | | |
| Entity Responsible for the coll | ection of primary Data | | Roads Project Directorate | | | | | | | |
| Detailed description of data co (including any calculations comp | | Use contract data and those on the disbursement provided by the DAF Numerator = Total cumulative amount of disbursements Denominator = Amount of contract signed for the works on RN#2, RN#6, the Ndioum Bridge and the Kolda Bridge. | | | | | | | | |
| If survey data, verbatim questi respondent | on(s) posed to | Not Applicable | | | | | | | | |
| Detailed description of how da source to MCA | ita is transmitted from | | he data are transmitted by the Roads Directorate with an annex of the certificates of contract payments. The conversion to ollars is made if the payment or part therein is made in local currency. | | | | | | | |
| Frequency and timing of data | | QUARTERLY | | | | | | | | |
| Names of verification sources | | Means of verification | | | | | | | | |
| Quarterly or annual PRR Report | | Table of indicators | | | | | | | | |
| DAF Report | | Payments under ongoing contracts | | | | | | | | |

| Location of Data Stor | ocation of Data Storage MCA-Senegal (PRR) | | | | | | | | | | | |
|---|--|-----------|-------------------|--------------------|------------------|--------------------------------|----------------|--------|--|--|--|--|
| INDICATOR DATA QU | | | | | | | | | 3 () | | | |
| Date of Data Quality F | | | | | | | November 2 | 014 | | | | |
| Main findings of data quality review | | | | | | Average Score (out of 4) | Recommend | ations | RRP.17 | | | |
| 1. VALIDITY – Do | oes the data c | learly re | epresent the des | ired results | ? | 4,0 | N/A | | Validite 4.0 | | | |
| 2. RELIABILITY - consistent over time? | - Are the data | collecti | ion procedures s | table and | | 3,6 | N/A | | Praticabilite 3.0 Fiabilite | | | |
| 3. TIMELINESS- | Are the data | current a | and frequently c | ollected? | | 4,0 | N/A | | 2.0 | | | |
| 4. PRECISION – | Does the data | a have a | an acceptable m | argin of err | or? | 3,2 | N/A | | 1.0 | | | |
| 5. INTEGRITY- Is | the data free | from m | nanipulation? | | | 4,0 | N/A | | Adequation Opportunite | | | |
| 6. APPROPRIATI portray the results? | | | | , | | 4,0 | N/A | | | | | |
| 7. PRACTICABIL | ITY- Is the da | ita curre | ent and frequentl | y collected | ? | 4,0 | N/A | | Integrite Precision | | | |
| Overall assessment | | | | | | 3,8 | | | | | | |
| Action taken in respo | nse to data o | quality i | review | | | Not Applicable | l | | | | | |
| Known data limitation | | | | | | Not Applicable | | | | | | |
| Actions taken to addr | ess data lim | itations | 5 | | | Not Applicable | | | | | | |
| INDICATOR BASELIN | <mark>IE INFORMA</mark> | TION | | | | | | | | | | |
| Old Baseline | 0% | Old Ba | aseline Year | 2 | 010-2 | 2011 Sour | ce of old Base | line | Roads Rehabilitation Project Work Plan | | | |
| New Baseline | 0% | New E | Baseline Year | 2 | 010-2 | 2011 Sour | ce of New Bas | eline | Roads Rehabilitation Project Work Plan | | | |
| Justification for E Change (if a | | | | | | | | | | | | |
| INDICATOR TARGET | CALCULATI | ONS | | | | | | | | | | |
| | | | Targe | | | | | | | | | |
| YEAR | | | Old | New | | stification for cl | | | | | | |
| | | | | tarç | gets or calculat | ions (if any) | | | | | | |
| Explanation of assum to target calculations | Explanation of assumptions and inputs to target calculations | | | | | | | | | | | |
| | | | | stification for cl | nanges to | | | | | | | |
| Oct 2011 - S | | | 0% | 0% | | gets or calculat | | | | | | |
| Explanation of assum to target calculations | | nputs | | | | | ` ', | | | | | |

| YEAR 3 | Old | New | Justification for changes to |
|---------------------------------------|------------|---------|----------------------------------|
| Oct 2012 - Sept. 2013 | 22% | 22% | targets or calculations (if any) |
| Explanation of assumptions and inputs | _ | | |
| to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 66% | 66% | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | - |
| to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 100% | 100% | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FO | R DETAILED | CALCULA | TIONS (if required) |
| | | | |

3.18. Indicator RRP.18. Value disbursed of road construction contracts

| INDICATOR BASIC DETAILS | | | | | | | | | | |
|--|--------------------------|--|--------------------------|-------------------|---------------|--------------------------------|--------------|----------------------------------|--|--|
| Indicator Name | Value disbursed of road | construction cont | acts | | Ve | ersion | | N° 03 / Sept 2015 | | |
| Common Indicator Number | (R-5.1) | Current In | Current Indicator Number | | Al | All Previous Indicator Numbers | | New Indicator | | |
| Level | Process | Classifica | | Cumulati | | nit of Measure* | | \$US | | |
| Detailed Definition | The total amount of disb | ursements under | contracts for const | ruction of new ro | oads, for red | construction, rehabilitatio | n, surfacing | and upgrading of existing roads. | | |
| Frequency of Reporting | QUATERLY | | | Reporting P | Period Cov | vered Compact Du | ıration | | | |
| | By gender (YES/No | O) | NO | | | | | | | |
| Disaggregations | By age (YES/NO) | | NO | | | | | | | |
| Disaggregations | By income (YES/N | | NO | | | | | | | |
| | By locality (YES/NO | D) | YES (RN2/N | ldioum Bridge/Rl | N6 Lot 1/RI | N6 Lot 2/RN6 Lot 3) | | | | |
| INDICATOR JUSTIFICATION D | ETAILS | | | | | | | | | |
| Justification for Including Indi | cator | The indicator and Kolda bri | | nt of the disburs | ements und | der the contracts for the | construction | of RN2, RN6, and the Ndioum | | |
| a de unicament rest une adming unam | | It is a proxy indicator relating to the physical completion of the road construction. | | | | | | | | |
| How does the indicator link to | the ERR? | N/A | | | | | | | | |
| How does the indicator link to | the BA? | N/A | | | | | | | | |
| How does the indicator link to | the impact evaluation? | N/A | | | | | | | | |
| Justification for Disaggregatio | ns | The indicator will be disaggregated by locality (RN2 and RN6) and by work lot: .(for the RN6: RN6 Lot1, RN6Lot2, RN6 Lot3, Kolda Bridge; for RN2: RN2 and Ndioum Bridge) | | | | | | | | |
| INDICATOR ACQUISITION PLA | | | | | | | | | | |
| Entity Responsible for Collecti | | RRP Directorate | | | | | | | | |
| Point of Contact Responsible t at MCA: | - | Abdoulaye SYLL | | Phone | 77 | 7.740.66.72 | E-mail | asylla@mcasenegal.org | | |
| Entity Responsible for the coll | | Direction Projet Route | | | | | | | | |
| Detailed description of data co (including any calculations comp | | Use of the contract data and those related to the disbursed amounts provided by the DAF. | | | | | | | | |
| If survey data, verbatim questi respondent | on(s) posed to | Not Applicable | | | | | | | | |
| Detailed description of how da source to MCA | ita is transmitted from | The data are sent by the RRP, with the attached contract disbursement certificates. The dollar is converted at the daily rate if the payment is made, wholly or partly, in local currency. | | | | | | | | |
| Frequency and timing of data a | acquisition | QUATERLY | | | | | | | | |
| Names of verification sources | - | | |] | Means of v | eans of verification | | | | |
| RRP Project quaterly or annual r | eport | | | I | Indicators 7 | dicators Table | | | | |
| Procurement Report | • | Payments on current contracts | | | | | | | | |
| Location of Data Storage | | MCA-Senegal (RRP) | | | | | | | | |

| Main findings of data quality review Main findings of data quality review N/A 1. VALIDITY – Does the data clearly represent the desired 1. VALIDITY – Are the data collection procedures stable and 2. RELIABILITY – Are the data collection procedures stable and 2. RELIABILITY – Are the data collection procedures stable and 3. TIMELINESS – Are the data current and frequently collected? N/A 4. PRECISION – Does the data have an acceptable margin of 4. PRECISION – Does the data free from manipulation? N/A 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? Overall assessment Action taken in response to data quality review Not Applicable Known data limitations and significance Not Applicable N | INDICATOR DATA QUALITY | | | | | | | | |
|--|--|------------------|----------------|-----------|---------------------------------|-------------|---------------|-----------------------|--|
| Main findings of data quality review 1. VALIDITY — Does the data claerly represent the desired 1. VALIDITY — Pore the data collection procedures stable and 2. RELIABILITY — Are the data collection procedures stable and 3. TIMELINESS. Are the data current and frequently collected? 3. TIMELINESS. Are the data current and frequently collected? 4. PRECISION — Does the data have an acceptable margin of enror? 5. INITECRITY — Is the data thee from manipulation? 6. APPROPRIATENESS — To what extent do the indicators fully portray the results? Overall assessment 4. Collection taken in response to data quality review 4. Not Applicable Known data limitations and significance 4. Not Applicable Known data limitations and significance 6. APPROPRIATENESS — To what extent do the indicators fully portray the results? Overall assessment Known data limitations and significance 8. Not Applicable Known data limitations and significance 8. Not Applicable Noticator BaseLine Ni/A Old Baseline Year 9. Not Applicable Noticator BaseLine Ni/A Old Baseline Year 2014-2015 Source of New BaseLine 9. New Baseline 10. New Baseline 10. New BaseLine 11. Change (flany) INDICATOR TARGET CALCULATIONS 12. Explanation of assumptions and inputs to target calculations 13. TIMELINESS — The data current and frequently collected? N/A 10. New Date of New BaseLine 10. New BaseLin | Date of Data Quality Review | | | | | | | | |
| 1. VALIDITY – Does the data clearly represent the desired results? 2. RELIABILITY – Are the data collection procedures stable and consistent over time? 3. TIMELINESS. Are the data current and frequently collected? 3. TIMELINESS. Are the data current and frequently collected? 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY. Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portary the results? Overall assessment Action taken in response to data quality review Not Applicable Action taken to address data limitations and significance Not Applicable Not Appli | Main findings of data quality review | | | | | | commandations | | |
| RESURS PRECISION - Does the data current and frequently collected? NI/A | Main findings of data quality rev | | | | N/A | | | | |
| PRECISION PRECISION Does the data acceptable margin Superior Superi | | ly represent | the desir | ed | | | N/A | | |
| consistent over time? 3. TIMELINESS- Are the data current and frequently collected? N/A 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? Overall assessment Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable Known data limitations and significance Not Applicable Not Applic | | la atiana mua aa | مارسم میلام | لمسم ملط | | | 14/7 (| | |
| A PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? Overall assessment Action taken in response to data quality review Not Applicable Actions taken to address data limitations and significance Actions taken to address data limitations Not Applicable Actions BaseLinke INFORMATION Old Baseline Now Baseline Now Baseline Now Baseline Now Baseline O New Baseline Year 2014-2015 Source of New Baseline Change (if any) INDICATOR TARGET CAL CULATIONS INDICATOR TARGET CAL CULATIONS YEAR 1 Oct 2010 - Sept 2011 N/A O Use Indicators for changes to target calculations YEAR 2 Old New Justification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations | consistent over time? | · | | | | | N/A | | |
| 4. PRECISION – Does the data have an acceptable margin of error? 5. INTEGRITY- Is the data free from manipulation? N/A 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? N/A Overall assessment Action taken in response to data quality review Not Applicable Known data limitations and significance Not Applicable Known data limitations and significance Not Applicable MDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year 2014-2015 Source of New Baseline RRP Project Work Plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to Application for changes to Calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to Calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to target calculations YEAR 2 Old New Justification for changes to target calculations YEAR 2 Old New Justification for changes to target calculations YEAR 2 Old New Justification for changes to target calculations YEAR 2 Old New Justification for changes to target calculations YEAR 3 Old New Justification for changes to target calculations (if any) | 3. TIMELINESS- Are the data curre | ent and frequ | ently col | lected? | | | N/A | New Indicator | |
| 6. APPROPRIATENESS – To what extent do the indicators fully portray the results? Overall assessment Action taken in response to data quality review Known data limitations and significance Known data limitations and significance Actions taken to address data limitations Not Applicable Known data limitations and significance Actions taken to address data limitations Not Applicable Not Ap | 4. PRECISION – Does the data ha error? | ve an accept | able mar | gin of | | | N/A | New indicator | |
| Overall assessment | 5. INTEGRITY- Is the data free from | m manipulati | on? | | | | N/A | | |
| Coverall assessment | | t extent do th | e indicat | ors fully | | | N/A | | |
| Action taken in response to data quality review Known data limitations and significance Actions taken to address data limitations Not Applicable Not Applicab | | | | | | | 14/71 | | |
| Known data limitations and significance Actions taken to address data limitations Not Applicable Not Applica | | | | | 1 | | | | |
| Actions taken to address data limitations Not Applicable INDICATOR BASELINE INFORMATION Old Baseline N/A Old Baseline Year N/A Source of old Baseline New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline Change (if any) INDICATOR TARGET CALCULATIONS INJA O Itargets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to target calculations Explanation of assumptions and inputs to target sor calculations (if any) Explanation of assumptions and inputs to target calculations Oct 2011 - Sept. 2012 N/A O Itargets or calculations (if any) Explanation of assumptions and inputs to target calculations Oct 2011 - Sept. 2012 N/A O Itargets or calculations (if any) Oct 2011 - Sept. 2012 N/A O Itargets or calculations (if any) Oct 2011 - Sept. 2012 N/A O Itargets or calculations (if any) | | | | | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | | |
| Old Baseline N/A Old Baseline Year 2014-2015 Source of Old Baseline New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline RRP Project Work Plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS Target Old New Justification for changes to Cot 2010 - Sept. 2011 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations | | | | | Not Applica | able | | | |
| New Baseline 0 New Baseline Year 2014-2015 Source of New Baseline RRP Project Work Plan Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS Target Old New Justification for changes to a targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations and inputs to target calculations and inputs to target calculations Explanation of assumptions and inputs to target calculations Oct 2011 - Sept. 2012 N/A 0 Justification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations | | | | | T | | | | |
| Justification for Baseline Change (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to Target calculations YEAR 2 Old New Justification for changes to target calculations Text A 1 Old New Justification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| Change (if any) INDICATOR TARGET CALCULATIONS Target YEAR 1 Old New Oct 2010 - Sept. 2011 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Oct 2011 - Sept. 2012 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations Explanation of assumptions and inputs to target calculations | | w Baseline | Year | 2014 | I-2015 S | Source of I | New Baseline | RRP Project Work Plan | |
| Target Sept. 2011 Sept. 2012 N/A O Sept. 2012 N/A O Sept. 2011 Sept. 2012 | | | | | | | | | |
| YEAR 1 Old New Justification for changes to Oct 2010 - Sept. 2011 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Oct 2011 - Sept. 2012 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| YEAR 1 Old New Oct 2010 - Sept. 2011 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Oct 2011 - Sept. 2012 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations | INDICATOR TARGET CALCULATIONS | | | | | | | | |
| Oct 2010 - Sept. 2011 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations YEAR 2 Old New Oct 2011 - Sept. 2012 N/A 0 targets or calculations (if any) Explanation of assumptions and inputs to target calculations | VE10.4 | | | | | | | | |
| Explanation of assumptions and inputs to target calculations YEAR 2 Old New Justification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations | | | | | | | | | |
| to target calculations YEAR 2 Old New Oct 2011 - Sept. 2012 N/A 0 Ustification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations | | | (|) ta | rgets or calc | culations (| (if any) | | |
| YEAR 2 Old New Oct 2011 - Sept. 2012 N/A 0 Justification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations | | IS | | | | | | | |
| Oct 2011 - Sept. 2012 N/A 0 Sustification for changes to targets or calculations (if any) Explanation of assumptions and inputs to target calculations | | Old | N _a | | | | | | |
| Explanation of assumptions and inputs to target calculations | Ju: | | | | | | | | |
| to target calculations | Oct 2011 - Sept. 2012 | N/A | (|) ta | argets or calculations (if any) | | | | |
| YEAR 3 Old New | | | | | | | | | |
| | YEAR 3 | Old | Nev | I | | | | | |

| Oct 2012 - Sept. 2013 | N/A | 56 963 367 | Justification for changes to |
|---------------------------------------|---------|-------------|--------------------------------------|
| Ост 2012 - Зерт. 2013 | IN/A | 30 703 307 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | N/A | 170 890 102 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | N/A | 258 924 397 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| Long Term Target | Old | New | Justification for changes to targets |
| | N/A | N/A | or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FO | OR DETA | AILED CALCU | LATIONS (if required) |
| | | | · |

3.19. Indicator RRP.19. Kilometers of roads under works contracts

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|--|-----------------------------------|-----------------|---|---|--------------------------------|-------------------|--------------------------|--|--|--|--|
| Indicator Name | Kilometers of roads under | works contract | S | | Version | | N° 03 / Sept 2015 | | | | |
| Common Indicator Number | (R-6) | Current Indicat | tor Number | RRP.19 | All Previous Indicat | tor Numbers | RRP.16. / RRP.17. | | | | |
| Level | Process | Classification | | Cumulative | Unit of Measure* | | Kilometers | | | | |
| Detailed Definition | The length of roads in kill roads | meters under w | orks contracts for o | construction of new roads | or reconstruction, rehabilitat | tion, resurfacing | or upgrading of existing | | | | |
| Frequency of Reporting | ANNUAL | | | Reporting Period Covered Compact Duration | | | | | | | |
| | By gender (YES/NC |) | NO | | | | | | | | |
| Disaggregations | By age (YES/NO) | | NO | | | | | | | | |
| Disaggregations | By income (YES/NO | | NO | | | | | | | | |
| | By locality (YES/No |)) | YES (RN2/F | RN6) | | | | | | | |
| INDICATOR JUSTIFICATION | | | | | | | | | | | |
| Justification for Including Inc | | | | ormation on the number o | f Km targeted by the study a | and supervision o | contracts. | | | | |
| How does the indicator link to | | | plicable | | | | | | | | |
| How does the indicator link to | o the BA? | Not Ap | plicable | | | | | | | | |
| How does the indicator link to | o the impact evaluation? | Not Ap | Not Applicable | | | | | | | | |
| Justification for Disaggregati | | Not Ap | plicable | | | | | | | | |
| INDICATOR ACQUISITION PL | == == == | | | | | | | | | | |
| Entity Responsible for Collect | | | ct Directorate | | | | | | | | |
| Point of Contact Responsible | e for Collecting the Data | Abdoulaye S | SYLLA | Phone | 77.740.66.72 | E-mail asy | ylla@mcasenegal.org | | | | |
| MCA: | | , | | | | | | | | | |
| Entity Responsible for the co | | | Roads Project Directorate | | | | | | | | |
| Detailed description of data of | 33 | | Use data of RN#2 and RN#6 works contracts provided by the PM Directorate. It is equal to the number of km for which works | | | | | | | | |
| (including any calculations com | | contracts ha | contracts have been signed | | | | | | | | |
| If survey data, verbatim ques respondent | | • | Not Applicable | | | | | | | | |
| Detailed description of how d | lata is transmitted from | | | y the PRR to the MED through the annual or quarterly report. The contracts signed for studies and | | | | | | | |
| source to MCA | | | nabilitation are also transmitted to the MED, for information. | | | | | | | | |
| Frequency and timing of data | acquisition | ANNUAL | | | | | | | | | |
| Names of verification sources | S | | Me | ans of verification | | | | | | | |
| Roads Project Report | | | Tal | Table of indicators | | | | | | | |
| Report Procurement Directorate | е | | Со | Contracts signed for the PRR works | | | | | | | |
| Location of Data Storage MCA-Séne | | | CA-Sénégal (RRP) | | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | | |
| Date of Data Quality Review | | | Nov | November 2014 | | | | | | | |

| Main findings of data quality review | | Average Score (out of 4) | Recommendation | าร | RRP.19 | | | |
|--|--------------------|--------------------------|--------------------|---------------------|--|--|--|--|
| 1. VALIDITY – Does the data clearly represults? | resent the desired | 4,0 | N/A | | Validite | | | |
| 2. RELIABILITY – Are the data collection and consistent over time? | • | 3,6 | N/A | | 4.0 Praticabilite 3.0 Fiabilite | | | |
| 3. TIMELINESS- Are the data current ar collected? | , , | 4,0 | N/A | | 2.0 | | | |
| 4. PRECISION – Does the data have an error? | , , | 3,2 | N/A | | 4.0 | | | |
| 5. INTEGRITY- Is the data free from ma | • | 4,0 | N/A | | Adequation Opportunite | | | |
| 6. APPROPRIATENESS – To what exter fully portray the results? | | 4,0 | N/A | | | | | |
| 7. PRACTICABILITY- Is the data current collected? | 4,0 | N/A | | Integrite Precision | | | | |
| Overall assessment | | 3,8 | | | | | | |
| Action taken in response to data quality re | view | Not Applicable | • | | | | | |
| Known data limitations and significance | | Not Applicable | | | | | | |
| Actions taken to address data limitations | | | Not Applicable | | | | | |
| INDICATOR BASELINE INFORMATION | | | | | | | | |
| Old Baseline 0 Old Base | line Year | 2010-2011 | Source of old Base | line Road | Roads Rehabilitation Project Work Plan | | | |
| New Baseline 0 New Base | eline Year | 2010-2011 | Source of New Bas | eline Road | s Rehabilitation Project Work Plan | | | |
| Justification for Baseline Change (if any) | ' | 1 | | 1 | • | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | |
| INDICATION THROUGH THOMS | Target | | | | | | | |
| YEAR 1 | Old New | Justification for | or changes to | | | | | |
| Oct 2010 - Sept. 2011 | 0 0 | | culations (if any) | | | | | |
| Explanation of assumptions and inputs | <u> </u> | 1.2. 3 to 0. Jule | and the diright | | | | | |
| to target calculations | | | | | | | | |
| YEAR 2 | Justification for | or changes to | | | | | | |
| Oct 2011 - Sept. 2012 | | culations (if any) | | | | | | |
| Explanation of assumptions and inputs | 1 3 3 12 21 34.10 | (| | | | | | |
| to target calculations | | | | | | | | |
| YEAR 3 | Old New | | | | | | | |

| Oct 2012 - Sept. 2013 | 372 | 372 | Justification for changes to targets or calculations (if any) | |
|--|-------------|--------------|---|--|
| Explanation of assumptions and inputs | This repres | sents: RN2 (| 120 km) and RN6 (252 km). | |
| to target calculations | ' | · | , , , | |
| YEAR 4 | Old | New | Justification for changes to | |
| Oct 2013 - Sept. 2014 | 376 | 372 | targets or calculations (if any) | |
| Explanation of assumptions and inputs | | | | |
| to target calculations | | | | |
| YEAR 5 | Old | New | Justification for changes to | |
| Oct 2014 - Sept. 2015 | 372 | 372 | targets or calculations (if any) | |
| Explanation of assumptions and inputs | This repre | esents: RN2 | 120 km) and RN6 (252 km). | |
| to target calculations | | | | |
| Long Term Target | Old | New | Justification for changes to | |
| | N/A | N/A | targets or calculations (if any) | |
| Explanation of assumptions and inputs | | | | |
| to target calculations | | | | |
| COMMENTS | | | | |
| SUPPLEMENTARY DOCUMENTATION FO | OR DETAIL | ED CALCUI | ATIONS (if required) | |
| ST. TELLIS BOSOMERITATION I | | 0.12002 | | |

3.20. Indicator RRP.20. Temporary employment generated in road construction

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|--|--|---|--|-----------|---|-----------------------------------|-----------------|---------------------------|--|--|--|
| Indicator Name | Temporary employ | yment genera | ited in road construction | | | Version | | N° 03 / Sept 2015 | | | |
| Common Indicator Number | (R-7) | | Current Indicator Number | | RRP.20 | All Previous Indicator | Numbers | RRP.18 | | | |
| Level | Process | | Classification | | Cumulative | Unit of Measure* | | Number | | | |
| Detailed Definition | | | | | | ction companies to work on co | | | | | |
| | | | esurfacing or upgrading of ex | xisting r | sting roads (in Senegal, this includes the RN#2, RN#6 and the Ndioum and Kolda Bridges) | | | | | | |
| Frequency of Reporting | QUARTERL' | | | | Reporting Period Covered Compact Duration | | | | | | |
| Disaggregations | By gender (Y | | | | YES | | | | | | |
| | By age (YES | | | | NO | | | | | | |
| | By income (\ | | | | NO | | | | | | |
| | By locality (Y | 'ES/NO) | | | YES (RN2 / RN6) | | | | | | |
| INDICATOR JUSTIFICATION DE | TAILS | | | | | | | | | | |
| Justification for Including Indica | ntor | | | | | s generated by the rehabilitation | | he RRP roads. It is a new | | | |
| | | | indicator proposed on the list of common indicators. See "Guidance on Common Indicator, May 2012" MCC. | | | | | | | | |
| How does the indicator link to the How does the indicator link to the | | Not Applicable Not Applicable | | | | | | | | | |
| | | | | | | | | | | | |
| How does the indicator link to the evaluation? | іе ітрасі | Not Applicable | | | | | | | | | |
| Justification for Disaggregations | S | | or will be disaggregated by q obs and especially, those di | | | ler to better grasp the contribu | tion of firms (| contracted by the Program | | | |
| INDICATOR ACQUISITION PLAN | I | , , , , | 1 7 | | | | | | | | |
| Entity Responsible for Collecting | g Data at MCA | Roads Proje | ect Directorate | | | | | | | | |
| Point of Contact Responsible for Data at MCA: | | Abdoulaye | SYLLA | Phone | | 77.740.66.72 | E-mail | asylla@mcasenegal.org | | | |
| Entity Responsible for the collect Data | ction of primary | The contractor in charge of works and rehabilitation of the RN2, the Ndioum Bridge, the RN6 and the Kolda Bridge | | | | | | | | | |
| Detailed description of data collemethodology (including any calcuby source) | | Use employment forms of firms responsible for the construction of the different infrastructure lots. Each person (local and foreigner) is counted only once. Informal jobs generated by the construction works, are not taken into consideration. | | | | | | | | | |
| If survey data, verbatim question respondent | • | Not Applica | ble | | | | | | | | |
| Detailed description of how data from source to MCA | ailed description of how data is transmitted The data is transmitted by the Peads Project | | | | | eject Directorate | | | | | |
| Frequency and timing of data acquisition QUARTERLY | | | | | | | | - | | | |
| Names of verification sources | | Means of verification | | | | | | | | | |
| Reports of Construction Firms | | | Monthly reports | | | | | | | | |

| Reports of Consultants in charge of Supervi | sion | | | | Monthly r | | | | | |
|--|---------------|---------------|--|-------------------|-----------|--|-------------------------|--------------------------|--|--|
| PMU-AGEROUTE Reports | | | | | Monthly r | eports: Table of | indicators | | | |
| Location of Data Storage | F | Roads Proje | ct Directorate | | | | | | | |
| INDICATOR DATA QUALITY | | | | | | | | | | |
| Date of Data Quality Review | | | | | | N/A | | | | |
| Main findings of data quality review | | | | | | Average Score (out of 4) | Recommendations | RRP.20 | | |
| 1. VALIDITY – Does the data clearly re | epresent the | desired res | ults? | | | 3,8 | N/A | Validit | | |
| 2. RELIABILITY – Are the data collect | ion procedure | es stable ar | d consistent over | time? | | 3,4 | N/A | e | | |
| 3. TIMELINESS- Are the data current | and frequent | ly collected | | 4,0 | N/A | Pratic 4.0 Fiabilit | | | | |
| 4. PRECISION – Does the data have | an acceptable | e margin of | | 3,0 | N/A | bilite2.0 e | | | | |
| 5. INTEGRITY- Is the data free from n | nanipulation? |) | | 3,8 | N/A | Adequ | | | | |
| 6. APPROPRIATENESS – To what ex | | | | ılts? | | 0,8 | N/A | ation unite | | |
| 7. PRACTICABILITY- Is the data curre | ent and frequ | ently collect | ed? | | | 3,7 | N/A | Integrit Precisi e on | | |
| Overall assessment | | | | | | | | | | |
| Action taken in response to data quality | review | | | | | Not Applicable | | | | |
| Known data limitations and significance | | | | | | Not Applicable | | | | |
| Actions taken to address data limitations | 5 | | | | | Not Applicable | | | | |
| INDICATOR BASELINE INFORMATION | | | | 1 | | I | | | | |
| | aseline Year | | 2011-2012 | Source of old B | | Roads Rehabilitation Project Work Plan | | | | |
| New Baseline 0 New E Justification for Baseline Change (if any) | Baseline Yea | ar | 2011-2012 | Source of New I | Baseline | Roads Renabii | litation Project Work P | lan | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | | | | |
| INDICATOR TARGET CALCULATIONS | Tai | rget | Τ | | | | | | | |
| YEAR 1 | Old | New | Justification fo | or changes to | | | | | | |
| Oct 2010 - Sept. 2011 | N/A | N/A | | ulations (if any) | | | | | | |
| Explanation of assumptions and inputs | | <u> </u> | <u>, </u> | ` ',' | 1 | | | | | |
| to target calculations | | | | | | | | | | |
| YEAR 2 | Old | New | Justification for | | | | | | | |
| Oct 2011 - Sept. 2012 | 0 | 0 | targets or calc | ulations (if any) | | | | | | |
| Explanation of assumptions and inputs to target calculations | | | | | | | | | | |
| YEAR 3 | Old | New | | | | | | | | |

| N/A New | Justification for changes to targets or calculations (if any) Justification for changes to |
|------------|---|
| | |
| New | Justification for changes to |
| New | Justification for changes to |
| New | Justification for changes to |
| | Justinication for changes to |
| N/A | targets or calculations (if any) |
| | |
| | |
| New | Justification for changes to |
| N/A | targets or calculations (if any) |
| | |
| | |
| New | Justification for changes to |
| N/A | targets or calculations (if any) |
| • | |
| | |
| | |
| D CALCUL | ILATIONS (if required) |
| | · · · · |
| | N/A New N/A New N/A |

3.21. Indicator RRP.21. Kilometers of roads completed

| INDICATOR BASIC DETAILS | | | | | | | | | | | |
|--|-------------------------|---|--------------------|----------------------|---|----------------|----------------------|-------------|----------------------------|--|--|
| Indicator Name | Kilometers of road | ls completed | | | | Version | | | N° 03 / Sept 2015 | | |
| Common Indicator Number | (R-8) | Current Indicato | r Number | | RRP.21 | All Previou | us Indicator Numb | bers | RRP.19 | | |
| Level | Output | Classification | | | Cumulative | Unit of Mea | asure* | | Kilometers | | |
| Detailed Definition | | | ch construction | of new roads | or reconstruction, r | ehabilitation | , resurfacing or upo | grading of | existing roads is complete | | |
| | (certificates handed of | over and approved) | | | | | | | | | |
| Frequency of Reporting | QUARTERLY | | | | Reporting Period Covered Compact Duration | | | | | | |
| | By gender (YES/NO) | | | | | | | | | | |
| Disaggregations | By age (YES/NO) | | NO NO | | | | | | | | |
| | By income (YES/NO) | | | 2 / DN// | | | | | | | |
| INDICATOR INCTIFICATION R | By locality (YES/NO) | | YES (RN2 | 2 / RN6) | | | | | | | |
| INDICATOR JUSTIFICATION D | ETAILS | The indicator provi | doo information | ملايم مرام مالا مرام | in kilomentono on wi | ماد ماد ماد | atmention of DN//2 o | and DN// | ondo (o ortificato o | | |
| lustification for Including India | cator | | | | in kilometers on wi | | | | | | |
| Justification for Including India | Latui | submitted and approved, provisional and final acceptance made). It is an indicator proposed on the list of common indicators. See "Guidance on Common Indicator, May 2012" MCC. | | | | | | | | | |
| How does the indicator link to | the FRR? | Not Applicable | imon indicator, is | nay 2012 IVI | | | | | | | |
| How does the indicator link to | | Not Applicable | | | | | | | | | |
| How does the indicator link to | | Not Applicable | | | | | | | | | |
| evaluation? | | | | | | | | | | | |
| Justification for Disaggregatio | ns | Not Applicable | | | | | | | | | |
| INDICATOR ACQUISITION PLA | N/ | | | | | | | | | | |
| Entity Responsible for Collecti | | Roads Project Directorate | | | | | | | | | |
| Point of Contact Responsible f Data at MCA: | for Collecting the | Abdoulaye SYLLA | | Phone | 77.740.66.72 | | | E-mail | asylla@mcasenegal.org | | |
| Entity Responsible for the coll Data | ection of primary | Engineers' Firms in | n charge of supe | rvising RN2 | and RN6 rehabilitat | on works | | | | | |
| Detailed description of data co methodology (including any calc | | Counting the km of RN#2 and RN#6 roads provisionally or finally accepted | | | | | | | | | |
| by source) | · | Counting the kin of | KIN#Z aliu KIN# | o roaus prov | ISIOHAIIY OF IIHAIIY A | Lepteu | | | | | |
| If survey data, verbatim questi respondent | on(s) posed to | Not Applicable | | | | | | | | | |
| Detailed description of how da from source to MCA | | The data is transm data required to ca | | | annual and quarter | ly reports. Be | esides, the MED m | neets the R | RP to collect all the raw | | |
| Frequency and timing of data a | acquisition | QUARTERLY | | | | | | | | | |
| Names of verification sources | | | | | N | leans of ve | rification | | | | |
| | | | | | | | | | | | |

| PRR quarterly and annual reports | | | | | Т | able of indic | cators |
|--|----------------------------|-------------------------|-------------|--------------------------------|---------------|---------------|------------------------------|
| PMU-AGEROUTE quarterly and annual | reports | | | | Т | able of indic | cators |
| Monthly and quarterly reports of the eng | ineer in charge of superv | ising the rehabilitatio | n works | | Т | able of indic | cators |
| Location of Data Storage | <u> </u> | ehabilitation Project D | | PMU-AGEROU | TE, Super | vision Cons | ultant |
| INDICATOR DATA QUALITY | 110000 | | | | . = , = = = = | | |
| Date of Data Quality Review | | | | | N/A | | |
| Main findings of data quality review | | | | Average Score (out of 4) | Recomm | endations | RRP.21 |
| 1. VALIDITY – Does the data clear | ly represent the desired | results? | | 4,0 | N/A | | |
| 2. RELIABILITY – Are the data coll | | | time? | 3,6 | N/A | | |
| 3. TIMELINESS- Are the data curre | ent and frequently collect | ted? | | 4,0 | N/A | | Validite 4.0 |
| 4. PRECISION – Does the data ha | | of error? | | 4,0 | N/A | | Praticabilit 3.0 Fiabilite |
| 5. INTEGRITY- Is the data free from | | | | 4,0 | N/A | | e 2.0 Flabilite |
| 6. APPROPRIATENESS – To wha | | | ılts? | 4,0 | N/A | | 1.0 |
| 7. PRACTICABILITY- Is the data c | urrent and frequently col | lected? | | 4,0 | N/A | | Adequatio |
| Overall assessment | Overall assessment | | | | | | n te Integrite Precision |
| Action taken in response to data qual | ity review | | | Not Applicable | ! | | |
| Known data limitations and significar | | | | Not Applicable | ! | | |
| Actions taken to address data limitati | ons | | | Not Applicable | ! | | |
| INDICATOR BASELINE INFORMATION | | | | | | | |
| | Old Baseline Year | 2010-2011 | | f old Baseline | | | bilitation Project Work Plan |
| | lew Baseline Year | 2010-2011 | Source o | f New Baseline | R | loads Rehal | bilitation Project Work Plan |
| Justification for Baseline Change | New Indicator | | | | | | |
| (If any) | | <u></u> | | | | | |
| INDICATOR TARGET CALCULATIONS | | | | | | | |
| VEAD 4 | Target | 1 1161 11 6 | | | | | |
| YEAR 1 | Old New | Justification for | | | | | |
| Oct 2010 - Sept. 2011 | 0 0 | targets or calcul | auons (II a | пу) | | | |

| Explanation of assumptions and inputs | | | |
|---------------------------------------|------------|----------|----------------------------------|
| to target calculations | | ı | |
| YEAR 2 | Old | New | Justification for changes to |
| Oct 2011 - Sept. 2012 | 0 | 0 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 3 | Old | New | Justification for changes to |
| Oct 2012 - Sept. 2013 | 12 | 12 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 4 | Old | New | Justification for changes to |
| Oct 2013 - Sept. 2014 | 234 | 234 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | | |
| to target calculations | | | |
| YEAR 5 | Old | New | Justification for changes to |
| Oct 2014 - Sept. 2015 | 372 | 372 | targets or calculations (if any) |
| Explanation of assumptions and inputs | | • | |
| to target calculations | | | |
| | | | |
| Long Term Target | Old | New | Justification for changes to |
| | N/A | N/A | targets or calculations (if any) |
| Explanation of assumptions and inputs | | l . | , <u> </u> |
| to target calculations | | | |
| COMMENTS | | | |
| SUPPLEMENTARY DOCUMENTATION FO | R DETAIL | ED CALCI | ULATIONS (if required) |
| COLL ELIMENT MET BOOOMENT/THON | TO ETT IIE | LD ONLOG | on monte (in required) |
| | | | |

TARGET VALUES OF MCA_SENEGAL'S PERFORMANCES INDICATORS

4. Target values of MCA-Senegal's performance indicators

| Indicator | Units | Indicator Classification Type | Baseline | Baseline Year | Year 1 Oct. 2010 - Sept. 2011 | Year 2 Oct. 2011 - Sept. 2012 | Year 3 Oct. 2012 - Sept. 2013 | Year 4 Oct. 2013 - Sept. 2014 | Year 5 Oct. 2014 - Sept. 2015 | Long Term (for outcome indicators) |
|--|------------|-------------------------------------|----------|---------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|
| | | | | PROGRAM | Л | • | | | • | |
| Indicator P1. Rate of variation of beneficiaries' net income drawn from the Irrigation Project | Percentage | Level | 0 | 2011-12 | | 0 | | | N/A | 35 |
| Indicator P.2. Change in vehicle operating costs per trip/kilometer for the RN2 | US\$ | Level | 0 | 2010 | | 0 | | | 0.05 | N/A |
| Indicator P3. Change in vehicle operating costs per trip/kilometer for the RN6 | US\$ | Level | 0 | 2010 | | 0 | | | 0.16 | N/A |
| | | IRRIGATION | AND WATE | ER RESOURCE | ES MANAGEME | NT PROJECT | | | | |
| Indicator IWRM.1. : Rice Paddy Production (Delta/ Ngalenka) | Tons | Level | 102 000 | 2010-11 | 102 000 | 107 000 | 107 000 | 107 000 | 111 000 | 277 000 |
| Indicator IWRM.2. : Tomato production (Delta and Ngalenka) | Tons | Level | 12 700 | 2010-11 | 12 700 | 14 200 | 14 200 | 14 200 | 35 500 | 115 000 |
| Indicator IWRM.3.: Onion production (Delta and Ngalenka) | Tons | Level | 10 900 | 2010-11 | 10 900 | 16 000 | 16 000 | 16 000 | 40 000 | 130 000 |
| Indicator IWRM.4.: Cropping intensity (Delta) | Percentage | Level | 60% | 2011-12 | 60% | 60% | 60% | 60% | 70% | 150% |
| Indicator IWRM.5.: Cropping intensity (Ngalenka) | Percentage | Level | 20% | 2011-12 | 20% | 20% | 0 | 100% | 120% | 180% |
| Indicator IWRM.6.: Total area with improved irrigation infrastructure (Delta and Ngalenka) | На | Level | 34 848 | 2010-11 | 34 848 | 36 541 | 37 554 | 38 381 | 38 381 | 42 721 |
| Indicator IWRM.7.: Hectares under production across cropping seasons (Delta and Ngalenka) | На | Level | 21 400 | 2010-11 | 20 300 | 20 300 | 20 300 | 20 300 | 23 600 | 56 600 |
| Indicator IWRM.8.: Total flow measured (Q) at the Ronkh and G works (Delta) | Rate | Level | 20 | 2010-11 | 20 | 20 | 20 | 20 | 65 | N/A |

| Indicator | Units | Indicator Classification | Baseline | Baseline Year | Year 1 Oct. 2010 - | Year 2 Oct. 2011 - | Year 3 Oct. 2012 - | Year 4 Oct. 2013 - | Year 5 Oct. 2014 - | Long Term (for outcome |
|--|---------|-----------------------------|----------|---------------|-----------------------|-----------------------|--------------------|-----------------------|-----------------------|---------------------------|
| maioator | Onits | Туре | Buschile | Baseline real | Sept. 2011 | Sept. 2012 | Sept. 2013 | Sept. 2014 | Sept. 2015 | indicators) |
| Indicator IWRM.9.: Number of hectares formalized (having a land allocation title and registered) | На | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 748 | 3 440 | N/A |
| Indicator IWRM.10. : Percentage of land disputes resolved | % | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 30 | 50 | 50 |
| Indicator IWRM.11.: Length of rehabilitated hydraulic axes in the Delta | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 40 | 144,5 | N/A |
| Indicator IWRM.12. : Length of the main drainage canal built in the Delta | Km | Cumulative | 0 | 2010-11 | 0,0 | 0,0 | 0,0 | 0,0 | 40,8 | N/A |
| Indicator IWRM.13. : Total length of canals and drains built in Ngalenka | Km | Cumulative | 0 | 2010-11 | 0,0 | 0 | 25 | 25 | 25 | N/A |
| Indicator IWRM.14. : Hectares under improved irrigation (with MCC support) | На | Cumulative | 0 | 2011-12 | | 0 | 0 | 35 480 | 35 480 | 42 721 |
| Indicator IWRM.15. : Stakeholders trained | Number | Cumulative | 0 | 2010-11 | 0 | 0 | 200 | 400 | 600 | N/A |
| Indicator IWRM.16.: Number of hectares of mapped land | На | Cumulative | 0 | 2010-11 | 41 862 | 41 862 | 41 862 | 41 862 | 41 862 | N/A |
| Indicator IWRM.17. : Conflicts successfully mediated | Number | Cumulative | 0 | 2011-12 | | 0 | 0 | N/A | N/A | N/A |
| Indicator IWRM.18. : Parcels corrected or incorporated in land system | Parcels | Cumulative | 0 | 2011-12 | | 0 | 5 694 | 5 787 | 5 787 | N/A |
| Indicator IWRM.19. : Land rights formalized ¹ | Number | Cumulative | 0 | 2011-12 | | 0 | 0 | 600 | 2500 | 2500 |
| Indicator IWRM.20. : Value of signed irrigation feasibility and design contracts | US\$ | Cumulative | 0 | 2010-11 | 2 560 950 | 3 658 398 | 11 494 547 | 11 494 547 | 11 494 547 | N/A |

¹ This indicator refers to households, businesses and legal entities that have formalized land rights.

| | | Indicator | | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Long Term |
|---|--------|------------------------|----------|---------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|
| Indicator | Units | Classification Type | Baseline | Baseline Year | Oct. 2010 - Sept. 2011 | Oct. 2011 - Sept. 2012 | Oct. 2012 - Sept. 2013 | Oct. 2013 - Sept. 2014 | Oct. 2014 - Sept. 2015 | (for outcome indicators) |
| Indicator IWRM.21.: Percent disbursed of irrigation feasibility and design contracts | % | Level | 0 | 2010-11 | 12 | 32 | 54 | 77 | 100 | N/A |
| Indicator IWRM.22. : Value disbursed of irrigation feasibility studies and design contracts | US\$ | Cumulative | 0 | 2010-11 | 1 379 345 | 3 678 255 | 6 207 055 | 8 850 801 | 11 494 547 | N/A |
| Indicator IWRM.23. : Value of signed irrigation construction contracts | US\$ | Cumulative | 0 | 2010-11 | 0 | 19 153 347 | 130 883 874 | 130 883 874 | 130 883 874 | N/A |
| Indicator IWRM.24. : Percent disbursed of irrigation construction contracts | % | Level | 0 | 2010-11 | 0 | 0 | 37 | 80 | 100 | N/A |
| Indicator IWRM.25. : Value disbursed for irrigation construction contracts | US\$ | Cumulative | 0 | 2010-11 | 0 | 0 | 48 427 033 | 104 707 099 | 130 883 874 | N/A |
| Indicator IWRM.26. : Number of training sessions on land tenure security tools | Number | Cumulative | 0 | 2010-11 | 0 | 0 | 30 | 54 | 72 | N/A |
| Indicator IWRM.27. : Number of man/days of training on land tenure security tools | Number | Cumulative | 0 | 2011-12 | | 0 | 2400 | 4800 | 6400 | N/A |
| Indicator IWRM.28.: Number of participants in training modules on land tenure security tools | Number | Cumulative | 0 | 2011-12 | | 0 | 600 | 1200 | 1600 | N/A |
| Indicator IWRM.29. : Temporary employment generated in irrigation | Number | Cumulative | 0 | 2011-12 | | N/A | N/A | N/A | N/A | N/A |
| Indicator IWRM.30. : Number of land management committees and commissions set up or improved upon | Number | Cumulative | 0 | 2010-11 | 9 | 9 | 9 | 9 | 9 | N/A |
| | | | ROADS I | REHABILITATI | ON PROJECT | | | | | |
| Indicator PRR.1. : Average annual daily traffic (AADT) Richard-Toll – Ndioum | Number | Level | 1 029 | 2011-12 | | 1 029 | | | 1155 | N/A |

| Indicator | Units | Indicator Classification Type | Baseline | Baseline Year | Year 1 Oct. 2010 - Sept. 2011 | Year 2 Oct. 2011 - Sept. 2012 | Year 3 Oct. 2012 - Sept. 2013 | Year 4 Oct. 2013 - Sept. 2014 | Year 5 Oct. 2014 - Sept. 2015 | Long Term (for outcome indicators) |
|--|--------|-------------------------------------|----------|---------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|
| Indicator PRR.2 : Average annual daily traffic (AADT) Ziguinchor – Tanaff | Number | Level | 571 | 2007 | | 181 | | | 963 | N/A |
| Indicator PRR.3. : Average annual daily traffic (AADT) Tanaff – Kolda | Number | Level | 301 | 2007 | | 23 | | | 562 | N/A |
| Indicator PRR.4. : Average annual daily traffic (AADT) Kolda – Kounkané | Number | Level | 798 | 2007 | | 716 | | | 1426 | N/A |
| Indicator PRR.5. : Rate of change in the duration of travel time on RN2 | % | Level | 0 | 2011-12 | | 0 | | | -15 | -15 |
| Indicator PRR.6. : Rate of change in the duration of travel time on RN6 | % | Level | 0 | 2011-12 | | 0 | | | -50 | -50 |
| Indicator PRR.7. : Roughness (RN2) | m/km | Level | 3,2 | 2011-12 | | 3,2 | | | 2,4 | N/A |
| Indicator PRR.8 : Roughness (RN6) | m/km | Level | 13,0 | 2011-12 | | 13,0 | | | 2,5 | N/A |
| Indicator RRP.9. : Road Traffic Fatalities | Number | Level | 43 | 2013-14 | | | | N/A | N/A | N/A |
| Indicator PRR.10 : Kilometers of rehabilitated roads on RN2 | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 0 | 120 | N/A |
| Indicator PRR.11 : Kilometers of rehabilitated roads on RN6 | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 0 | 0 | 252 | N/A |
| Indicator RRP.12. : Kilometers of roads under design | Km | Cumulative | 0 | 2010-11 | 406 | 406 | 406 | 406 | 406 | N/A |
| Indicator RRP.13.: Value of signed road feasibility and design contracts | US\$ | Cumulative | 0 | 2010-11 | 2 345 311 | 2 345 311 | 9 794 690 | 9 794 690 | 9 794 690 | N/A |
| Indicator RRP.14.: Percent disbursed of road feasibility and design contracts | % | Level | 0 | 2010-11 | 9 | 21 | 52 | 81 | 100 | N/A |
| Indicator RRP.15.: Value disbursed of signed road feasibility and design contracts | US\$ | Cumulative | 0 | 2014-15 | 881 522 | 2 056 884 | 5 093 238 | 7 933 698 | 9 794 690 | N/A |

| | | Indicator | | | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Long Term |
|--|--------|------------------------|----------|---------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|
| Indicator | Units | Classification Type | Baseline | Baseline Year | Oct. 2010 - Sept. 2011 | Oct. 2011 - Sept. 2012 | Oct. 2012 - Sept. 2013 | Oct. 2013 - Sept. 2014 | Oct. 2014 - Sept. 2015 | (for outcome indicators) |
| Indicator RRP.16. : Value of signed road construction contracts | US\$ | Cumulative | 0 | 2010-11 | 0 | 0 | 258 924 397 | 258 924 397 | 258 924 397 | N/A |
| Indicator RRP.17.: Percent disbursed of road construction contracts | % | Level | 0 | 2010-11 | 0 | 0 | 22 | 66 | 100 | N/A |
| Indicator RRP.18. : Value disbursed of road construction contracts | US\$ | Cumulative | 0 | 2014-15 | 0 | 0 | 56 963 367 | 170 890 102 | 258 924 397 | N/A |
| Indicator RRP.19. : Kilometers of roads under works contracts | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 372 | 372 | 372 | N/A |
| Indicator RRP.20.: Temporary employment generated in road construction | Number | Cumulative | 0 | 2011-12 | | 0 | N/A | N/A | N/A | N/A |
| Indicator RRP.21. : Kilometers of roads completed | Km | Cumulative | 0 | 2010-11 | 0 | 0 | 12 | 234 | 372 | N/A |