

Document: EB 2020/131/R.5/Rev.1
Agenda: 5(b)(i)(a)
Date: 4 December 2020
Distribution: Public
Original: English

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President's report

Proposed loan and Debt Sustainability Framework grant

State of Eritrea

Integrated Agriculture Development Project

Project ID: 2000002081

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Executive Board — 131st Session
Rome, 23 November 2020

For: Approval

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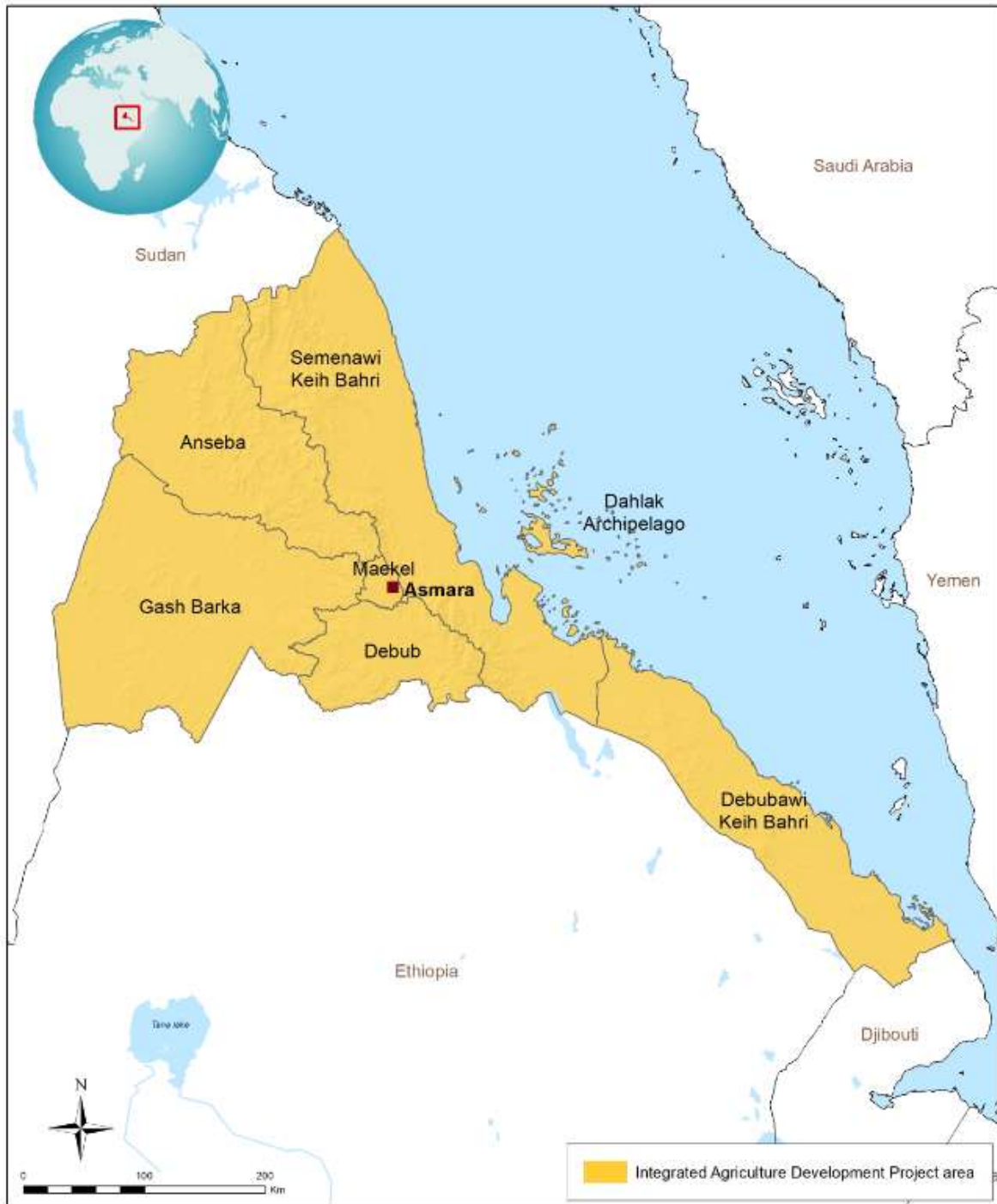
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Abbreviations and acronyms

AWP/B	annual workplan and budget
ESMF	environmental and social management framework
FM	financial management
IADP	Integrated Agriculture Development Project
IFAD11	Eleventh Replenishment of IFAD's Resources
IMF	International Monetary Fund
M&E	monitoring and evaluation
NAP	National Agriculture Project
NPCO	national project coordination office
PSD	Planning and Statistics Division
SDG	Sustainable Development Goal
TA	technical assistance

Map of the project area



The designations employed and the presentation of the material in this map do not imply the expression of any opinion whatsoever on the part of IFAD concerning the delimitation of the frontiers or boundaries, or the authorities thereof.

Map compiled by IFAD | 05-11-2019

Financing summary

Initiating institution:	IFAD
Borrower/recipient:	State of Eritrea
Executing agency:	Ministry of Agriculture
Total project cost:	US\$46.6 million
Amount of IFAD loan:	SDR 5.25 million (equivalent to approximately US\$7.4 million)
Terms of IFAD loan:	Highly concessional
Amount of IFAD Debt Sustainability Framework grant:	SDR 21.10 million (equivalent to approximately US\$29.65 million)
Contribution of borrower/recipient:	US\$4.9 million
Contribution of beneficiaries:	US\$4.7 million
Financing gap:	N/A
Amount of IFAD climate finance:	US\$19.4 million
Cooperating institution:	IFAD

Recommendation for approval

The Executive Board is invited to approve the recommendation contained in paragraph 54.

I. Context

A. National context and rationale for IFAD involvement

National context

1. The State of Eritrea is at a turning point in its development trajectory after the signing of a peace agreement with Ethiopia in July 2018, which ended decades of conflict dating back to 1991. In the same year, the United Nations Security Council lifted international sanctions that had been in place for nine years. It is expected that the peace dividend now offers Eritrea the opportunity to prioritize economic and social development, and to enhance international cooperation.
2. Eritrea's real GDP growth dropped from 11 per cent in 2011 to 4.8 per cent in 2016, and picked up slightly to 5.0 per cent in 2019, driven by public and private investments in the mining sector and in port infrastructure. Real GDP is projected to fall to -0.7 per cent in 2020 due to the impact of COVID-19.¹ Agriculture and fisheries contribute only 17.6 per cent to GDP, although the sector employs 65–70 per cent of the workforce.
3. Eritrea's Human Development Index score remains low at 0.43 (the country ranks 182nd out of 189 countries). Its 2019 ease of doing business score placed it 189th out of 190 countries. Private sector participation in the economy is limited due to restrictive economic and financial policies.

Special aspects relating to IFAD's corporate mainstreaming priorities

4. In line with the mainstreaming commitments of the Eleventh Replenishment of IFAD's Resources (IFAD11), the Integrated Agriculture Development Project (IADP) has been validated as:
 - Including climate finance
 - Nutrition-sensitive
 - Youth-sensitive
5. IADP will devote significant resources to addressing climate vulnerability, adopting watershed management as the entry point for investments in climate-smart, productivity-enhancing interventions. The project will also create off-farm jobs for young people and women and promote nutrition-sensitive agricultural practices as well as dietary behaviour change at household and community levels.

Rationale for IFAD involvement

6. Since 1995, IFAD has been one of the few international development entities that has continued to finance agriculture in Eritrea. Earlier IFAD interventions focused on re-establishing the livelihoods of crisis-affected rural households, while more recent projects² intervened in agricultural and fisheries development, with an emphasis on sustainable natural resource management. IADP proposes a package of interventions premised on watershed management as the starting point for agriculture development suited to rural Eritrea's unique agroecological conditions and topography.

B. Lessons learned

7. Main lessons learned from past and ongoing interventions include:

¹ Global Economic Prospects, World Bank, June 2020.

² National Agriculture Programme, Fisheries Resource Management Programme.

- (i) **Access to water is critical to the resilience of farming activities.** IADP will integrate watershed management as the entry point for enhancing productivity and making small-scale farming more resilient.
- (ii) **The lack of agribusiness orientation** hampers the efficiency and sustainability of interventions. IADP will gradually introduce business planning to inform investments.
- (iii) **Institutional capacity gaps** have constrained project implementation in Eritrea. The project will strengthen capacities, particularly in procurement, financial management (FM) and monitoring and evaluation (M&E).

II. Project description

A. Objectives, geographical area of intervention and target groups

- 8. **Project goal and objective.** IADP's goal is to contribute to poverty reduction and food and nutrition security in rural households. The project's development objective is to enhance smallholder agricultural production and productivity in a sustainable and climate-resilient manner and to improve rural livelihoods.
- 9. **Geographical area of intervention.** IADP will be national in scope, targeting all six Zobas (regions), with core interventions implemented in the four inland Zobas. The two coastal regions will mostly be supported through environment and ecosystem protection interventions. Activities, planned to cover approximately 40 per cent of the 36 sub-Zobas, will be phased in according to: (i) capacities of local government agencies to manage additional area/activities, starting with watershed management interventions; and (ii) status of watershed treatment.
- 10. **Target groups.** IADP will directly benefit some 60,000 rural households, i.e. more than 300,000 people, of which 40 per cent will be women and 40 per cent youth. Priority beneficiaries will include: rural small-scale farmers involved in subsistence agriculture; farmers and young people interested in establishing farmers' associations or cooperatives, or available to pilot micro enterprises; women; and youth (18–35 years), including demobilized soldiers.
- 11. **Targeting strategy.** The planning and implementation of activities will be based on a territorial approach. IADP will make use of direct targeting, self-targeting, facilitation (group formation, etc.) and empowerment measures. A social inclusion strategy will be developed, informed by assessments of the needs of women and youth. Methodologies such as the Gender Action Learning System will be employed.

B. Components, outcomes and activities

- 12. IADP has three components:
 - (i) **Component 1. Integrated watershed management.** This component will enable communities to plan and implement integrated land and water resource management in order to: (i) restore the hydrological and ecological functioning of watersheds; (ii) enhance the sustainability of existing land use; and (iii) improve resilience to climate shocks. Interventions will also support the production and dissemination of energy-saving technologies (e.g. cooking stoves, in selected watersheds). The expected outcome will be the strengthened environmental sustainability and climate resilience of poor rural people's economic activities.
 - (ii) **Component 2. Crop and livestock productivity and rural livelihood improvement.** Building on the outcomes of component 1, this component aims to sustainably invest in practices that enhance agriculture and small livestock productivity. It also addresses the post-harvest handling of crops and aims to improve the resilience of farmers to climate change through

climate-smart agriculture. The component will further support piloting micro agroenterprises. Based on viable business plans, these are expected to create about 6,500 jobs for young people. The expected outcome will be increased diversification of livelihoods and the strengthened resilience of communities.

- (iii) **Component 3. Institutional capacity-building and project support services.** This includes: (i) increasing the institutional capacity of the actors (public and private sector/producers' organizations) responsible for overseeing and/or implementing IADP activities; (ii) improving and/or reviewing and updating policies/strategies in selected subsectors to ensure their effective and structured development; and (iii) providing overall coordination to manage IADP efficiently and effectively.

C. Theory of change

13. In line with its development objective, IADP will address the strategic constraints to crop and livestock production. This will be done through sustainable watershed management – the entry point for investments in climate-smart interventions that improve and diversify the diets of target populations. IADP will offer off-farm livelihood opportunities for women and youth, and strengthen the capacity of rural communities and implementing agencies. These investments will sustainably enhance smallholder agricultural production and productivity, and improve rural livelihoods in the targeted areas.

D. Alignment, ownership and partnerships

14. IADP will contribute to the achievement of the following Sustainable Development Goals (SDGs): SDG 1 (no poverty), SDG 2 (zero hunger), SDG 5 (gender equality), SDG 13 (climate action) and SDG 15 (life on land). IADP is also aligned with IFAD's Strategic Framework 2016-2025 and corporate priorities as well as the 2020-2025 country strategic opportunities programme. The project further reflects national priorities, including: increasing agricultural, horticulture and livestock output; and creating farm enterprises that engage in highly productive, profitable agricultural value chains linked to domestic and international markets by 2023 (the Small and Medium Commercial Farmers Strategy, 2019-2023).
15. IADP is aligned with various outcomes of all four pillars of the United Nations Strategic Partnership Cooperation Framework 2017-2021. It should be noted that a new engagement strategy is being elaborated for 2021-2026. IADP implementation will explore the possibility of incorporating relevant elements of this new cooperation framework, once available.
16. IADP will coordinate with IFAD's ongoing portfolio as well as with development partners who support IADP-related initiatives, including the Food and Agriculture Organization of the United Nations, the African Development Bank and potentially the Green Climate Fund's Great Green Wall Initiative.

E. Costs, benefits and financing

17. Project costs are estimated at US\$46.6 million to be disbursed over six years. All three project components count in part as IFAD climate financing. IFAD climate adaptation finance in the project amounts to US\$19.4 million, which represents 52 per cent of total IFAD funding.

Project costs

18. Table 1 summarizes IADP's components and subcomponents' costs by financier.

Table 1

Project costs by component and subcomponent and financier

(Thousands of United States dollars)

<i>Component/subcomponent</i>	<i>IFAD loan</i>		<i>IFAD grant</i>		<i>Beneficiaries</i>		<i>Borrower/recipient</i>		<i>Total</i>	
	<i>Amount</i>	<i>%</i>	<i>Amount</i>	<i>%</i>	<i>Amount</i>	<i>%</i>	<i>Amount</i>	<i>%</i>	<i>Amount</i>	<i>%</i>
1. Integrated watershed management										
1.1 Development & institutionalization of participatory Integrated watershed management plans	-	-	141	90.0	-	-	16	10.0	157	0.3
1.2 Operationalization of watershed management plans	-	-	593	91.2	-	-	57	8.8	650	1.4
1.3 Watershed restoration and water management infrastructure	3 597	19.7	9 413	51.5	4 337	23.8	913	5.0	18 260	39.1
Subtotal	3 597	18.9	10 147	53.2	4 337	22.7	986	5.2	19 067	40.9
2. Crop and livestock productivity and rural livelihood improvement										
2.1 Access to advisory services	-	-	2 480	90.9	-	-	249	9.1	2 728	5.8
2.2 Sustainable access to inputs & technologies for enhanced production and post-harvest management	-	-	6 690	88.3	-	-	890	11.7	7 580	16.3
2.3 Producers' organizations and cooperatives support	-	-	6 412	90.5	-	-	669	9.5	7 082	15.2
Subtotal	-	-	15 582	89.6	-	-	1 808	10.4	17 390	37.3
3. Institutional capacity-building and project support services										
3.1 Institutional capacity-building & policy support	3 339	53.9	1 995	32.2	370	6.0	495	8.0	6 199	13.3
3.2 Project management and South-South and Triangular Cooperation	463	11.6	1 926	48.3	-	-	1 599	40.1	3 989	8.6
Subtotal	3 802	37.3	3 921	38.5	370	3.6	2 094	20.6	10 188	21.8
4. Disaster risk reduction and management										
Total	7 400	15.9	29 651	63.6	4 707	10.1	4 888	10.5	46 645	100

Table 2

Project costs by expenditure category and financier

(Thousands of United States dollars)

<i>Expenditure category</i>	<i>IFAD loan</i>		<i>IFAD grant</i>		<i>Beneficiaries</i>		<i>Borrower/recipient</i>		<i>Total</i>	
	<i>Amount</i>	<i>%</i>	<i>Amount</i>	<i>%</i>	<i>Amount</i>	<i>%</i>	<i>Amount</i>	<i>%</i>	<i>Amount</i>	<i>%</i>
Investment costs										
1. Works	4 707	22.7	10 268	49.6	4 707	22.7	1 036	5.0	20 718	44.4
2. Services										
a. Training and workshops	-	-	4 962	95.0	-	-	261	5.0	5 223	11.2
b. Consultancies	-	-	2 475	90.0	-	-	275	10.0	2 750	5.9
Subtotal - services	-	-	7 437	93.3	-	-	536	6.7	7 973	17.1
3. Investment capital	-	-	355	100	-	-	-	-	355	0.8
4. Equipment and inputs										
a. Equipment	1 211	15.3	5 765	72.7	-	-	951	12.0	7 928	17.0
b. Crop and livestock inputs	1 060	13.5	5 825	74.5	-	-	939	12.0	7 823	16.8
Subtotal - equipment and inputs	2 271	14.4	11 590	73.6	-	-	1 890	12.0	15 751	33.8
Total investment costs	6 978	15.6	29 651	66.2	4 707	10.5	3 462	7.7	44 797	96.0
Recurrent costs										
1. Salaries and allowances	-	-	-	-	-	-	1 368	100	1 368	2.9
2. Operations and maintenance	422	88.0	-	-	-	-	58	12.0	479	1.0
Total recurrent costs	422	22.8	-	-	-	-	1 426	77.2	1 847	4.0
Total	7 400	15.9	29 651	63.6	4 707	10.1	4 888	10.5	46 645	100

Table 3
Project costs by component and subcomponent and project year
 (Thousands of United States dollars)

<i>Component/subcomponent</i>	<i>PY1</i>	<i>PY2</i>	<i>PY3</i>	<i>PY4</i>	<i>PY5</i>	<i>PY6</i>	<i>Total</i>
1. Integrated watershed management							
1.1 Development & institutionalization of participatory integrated watershed management plans	144	8	5	-	-	-	157
1.2 Operationalization of watershed management plans	174	164	187	98	28	-	650
1.3 Watershed restoration and water management infrastructure	-	2 417	6 786	6 377	2 680	-	18 260
Subtotal	317	2 588	6 978	6 475	2 708	-	19 067
2. Crop and livestock productivity and rural livelihood improvement							
2.1 Access to advisory services	795	818	406	492	185	33	2 728
2.2 Sustainable access to inputs & technologies for enhanced production and post-harvest management	362	1 702	2 256	2 298	943	19	7 580
2.3 Producers' organizations and cooperatives support	80	701	2 421	2 475	1 405	-	7 082
Subtotal	1 237	3 221	5 083	5 264	2 533	52	17 390
3. Institutional capacity-building and project support services							
3.1 Institutional capacity-building & policy support	716	997	2 618	1 112	372	383	6 199
3.2 Project management and South-South and Triangular Cooperation	920	660	586	655	516	652	3 989
Subtotal	1 637	1 657	3 204	1 766	888	1 035	10 188
4. Disaster risk reduction and management	-	-	-	-	-	-	-
Total	3 191	7 466	15 266	13 506	6 130	1 087	46 645

Financing and cofinancing strategy and plan

19. IFAD will provide US\$37.05 million through the IFAD11 cycle. Under the Fund's new Debt Sustainability Framework, Eritrea is eligible to receive 80 per cent of that amount as a grant, and 20 per cent as an optional loan on highly concessional terms.
20. The Government's contribution is estimated at US\$4.9 million, of which US\$3.5 million as tax and duty waivers, in addition to US\$1.4 million as the salaries of some project staff.
21. Beneficiaries will contribute in-kind, notably through labour and construction materials for watershed management and dam construction. Beneficiary contributions are preliminarily valued at US\$4.7 million, or 22.7 per cent of the total value of works under expenditure category 1.

Disbursement

22. IADP will receive IFAD funding over six years. Disbursement will depend on budget execution and timeliness of procurement processes. Judging by ongoing projects, disbursement risk is assessed to be high. Main disbursement categories will be for works, goods, services, inputs and training. Operational procedures for these categories of expenditure, including criteria for providing goods, inputs and equipment to beneficiaries, will be fully clarified in the project implementation manual.
23. Training foreseen in the annual workplan and budget (AWP/B) will need to be supported by training, workshop and meeting plans and benchmarked against lessons to determine effectiveness and efficiency. Recurrent costs represent 4 per cent of the overall project and are mainly financed by the Government in the form of salaries. Support services provided to ensure the project reaches its development goal have been classified as investment costs given the longer-term, institutional capacity-building objective.

Summary of benefits and economic analysis

24. Based on the objective, results framework and component structure, the project is expected to generate the following benefits: increased yields; reduced land degradation and soil rehabilitation; increased resilience to climate change due to

water management and irrigation investments; enhanced food security and rural poverty reduction.

25. The economic analysis shows that IADP is economically viable. The analysis period is 20 years to account for the phasing and gestation of the proposed interventions. The economic rate of return for the overall project is equal to 19.04 per cent and the net present value equals US\$59.9 million. IADP is sensitive to changes in some of the model's variables. The risks factored in the sensitivity analysis include weather variations, potential protracted procurement delays and generally weak implementation capacity, and prolonged impact of the COVID-19 pandemic.

Exit strategy and sustainability

26. **Exit strategy.** IADP's exit strategy is embedded in the strategic approach of working directly with administrative bodies and community leaders at the national, Zoba, sub-Zoba and Kebabi (village) levels. By the fourth year of IADP, the communities and producers' organizations will have taken full responsibility for planning and implementing watershed interventions as well as operating and maintaining production infrastructure. The project will hand over major infrastructure and equipment to the community together with a management plan and comprehensive operations and management training.

III. Risks

A. Risks and mitigation measures

Table 4

Risks and mitigation measures

<i>Main risks</i>	<i>Mitigation measures</i>
Country context. Institutional capacity gaps and inadequate policy framework, and limited participation of private sector in agriculture.	IADP builds on the National Agriculture Plan's (NAP's) foundations and will seek to strengthen capacities and policy frameworks in the implementing agencies of the Ministry of Agriculture. IADP will gradually integrate business planning into project investments.
Environment and climate context. Poor spatial and temporal distribution of water as well as total scarcity of rainfall in Eritrea, with over 90 per cent of the country receiving less than 450 mm per annum.	Component 1 is built around integrated water resources management to restore the hydrologic and ecological functioning of watersheds, enhance the sustainability of existing land uses and improve lands' resilience to climate shocks.
Financial management (FM). Inadequate internal control and financial reporting systems.	FM requirements will be reflected in legal covenants and technical assistance foreseen for first two years.
Procurement. Lack of acceptable national legal and regulatory framework, procurement delays, limited procurement capacity.	IFAD's Project Procurement Guidelines, Procurement Handbook and standard procurement documents will apply, with continuous provision of technical assistance (TA) and training.

Table 5

Overall risk summary

<i>Risk areas</i>	<i>Inherent risk rating</i>	<i>Residual risk rating</i>
Country context	Substantial	Moderate
Sector strategies and policies	Substantial	Moderate
Environment and climate context	High	Substantial
Project scope	Moderate	Low
Institutional capacity for implementation and sustainability	High	Substantial
Financial management	High	Substantial
Project procurement	Substantial	Moderate
Environment, social and climate impact	Moderate	Low
Stakeholders	Low	Low
Overall	Substantial	Moderate

B. Environment and social category

27. Project interventions include: construction of soil and water conservation structures; small-scale irrigation; drought-tolerant crops; forage and livestock breeds; tree planting along hill slopes; rangeland management; and establishment of enclosures to reduce greenhouse gas emissions and provide carbon sinks. The project has been preliminary classified as **environmental and social category B** since the size of the irrigation schemes will not result in any loss of ecosystem services, nor have significant negative implications over a broader area.
28. The project will respect the environmental and social safeguards required by the Government and IFAD. It will abide by the 2017 Eritrean Environmental Protection, Management and Rehabilitation Framework, the 1999 National Environmental Assessment Procedures and Guidelines, and the 2008 Environmental Assessment Procedures and Guidelines for Agricultural Projects. An environmental and social management framework (ESMF) reflecting these requirements with respect to planned project activities, together with a free prior and informed consent implementation plan will guide the project during implementation. The ESMF was developed as part of project preparation.

C. Climate risk classification

29. Based on the analysis documented in the Social, Environmental and Climate Assessment Procedures of IFAD, the project's climate risk is preliminarily classified as **high**. Risks will be mitigated by increasing the ability of the affected communities to adapt to environmental and economic variability and long-term changes. A climate risk vulnerability analysis has indicated the main risk as increased temperatures and extreme temperatures, and reduction in precipitation, which will all be addressed under IADP.

D. Debt sustainability

30. Eritrea has not undergone a debt sustainability analysis from the World Bank or the International Monetary Fund (IMF), but is classified as a low-income country eligible for the IMF's Poverty Reduction and Growth Trust. IMF staff completed an Article IV mission in May 2019, and a report is expected to be published soon. According to the World Bank's Macro Poverty Outlook (spring 2020), total public debt, including external arrears, shrank to an estimated 232 per cent of GDP in 2019 from 291 per cent in 2017, driven by persistent primary surpluses and debt relief. External public debt declined by 10 per cent to 52 per cent of GDP (or US\$1.1 billion) in 2018–2020, mainly due to debt relief by the Abu Dhabi Fund for Development. Meanwhile, domestic debt dropped to 179 per cent of GDP in 2019 (US\$3.8 billion) from 208 per cent in 2018, due to net repayments of Treasury bonds to banks and of central bank advances to pay part of public sector wages. However, the 2020 African Economic Outlook highlights that Eritrea is already at high risk of debt distress and that the latter could culminate in a drop in the sovereign rating and a rise in interest spreads, constraining growth. Given the dominance of state-owned enterprises and their dependence on state financing, spillover effects of sovereign debt on these entities could reduce output.

IV. Implementation

A. Organizational framework

Project management and coordination

31. **Project implementation arrangements.** IADP will to a large extent emulate the existing structures of the NAP, although technical component leads will be introduced in IADP. The project will be implemented within the Government's decentralized institutional framework, comprising the Ministry of Agriculture technical departments at national level, and their decentralized structures, including the branches and units of Zobas and sub-Zobas, as well as Kebabis. The Ministry of Agriculture will be the lead executing agency.

Project coordination framework

32. A national project coordination office (NPCO) will be established under PSD. The NPCO will ensure day-to-day management of the project and will be headed by a project coordinator. The NPCO structure will include technical component leads and the engagement of TA as needed.
33. Zoba project coordination offices will be established in each of the six Zobas to coordinate project implementation. Planning and implementation committees, set up in every Kebabi and headed by the Kebabi administrator, will coordinate planning and implementation of project activities at that level.
34. The national project steering committee of NAP will be re-established under IADP to ensure cross-sectoral coordination as well as strategic oversight of project implementation across the six Zobas. Its main function will be to ensure that the project is implemented within the national policy and strategy framework. It will also provide strategic guidance and resolve critical implementation bottlenecks.
35. Zoba project coordination committees will oversee operations at Zoba level. The committees will meet on a quarterly basis. Chaired by the Zoba governors, they will also include the directors of Zoba administration departments and heads of agriculture divisions. The committees' functions are similar to those of the national project steering committee at national level.

Financial management, procurement and governance

36. **Financial management.** Overall responsibility for FM and procurement will lie with the Administration and Finance Department of the Ministry of Agriculture, while the finance units of the Zoba project coordination committees will be responsible for accounting, FM and procurement at the Zoba level. An assessment of proposed FM arrangements has been undertaken. The risk is assessed to be high at design, due to manual processes and inadequate staff capacity and oversight mechanisms. With the adoption of the mitigation measures, residual FM risk remains substantial at the outset, and will be reassessed during implementation.
37. Adoption of country systems will be limited as there is no integrated FM mechanism through which to report IADP expenditures. TA will be required for at least the first two years of implementation, to ensure: (i) that an appropriate control framework is adopted; and (ii) that finance capacity at NPCO and Zoba levels is built up, including strengthening internal and external audit mechanisms. Agreed FM risk mitigation measures will be reflected in legal covenants of the IADP financing agreement, and detailed procedures will be clarified in the project implementation manual.
38. **Procurement.** While the overall responsibility for procurement rests with the Administration and Finance Department of the Ministry of Agriculture, the NPCO procurement team will be responsible for ensuring compliance with IFAD's Project Procurement Guidelines; Zoba project coordination committees will be responsible for carrying out procurement activities at the Zoba level. Capacity-building interventions will be guided by a capacity needs assessment, with regular implementation support missions and targeted training activities, including support on the use of IFAD's standard procurement documents.
39. **Governance.** While the enforcement of good governance would be the primary responsibility of the Government of Eritrea, all IADP's stakeholders will be made aware of the Revised IFAD Policy on Preventing Fraud and Corruption in its Activities and Operations. IFAD has zero tolerance towards fraudulent, corrupt, collusive or coercive actions in programmes and projects. IADP will also apply IFAD's Framework for Operational Feedback from Stakeholders. Finally, IADP will comply with the IFAD Policy to Preventing and Responding to Sexual Harassment, Sexual Exploitation and Abuse.

Project target group engagement and feedback, and grievance redress³

40. IADP will align with IFAD's Framework for Operational Feedback from Stakeholders and ensure beneficiary engagement in the entire project cycle from start-up to completion. An indicator for tracking beneficiary engagement and feedback has been included in the M&E system.

Grievance redress

41. A project grievance and redress mechanism has been developed in the ESMF and the Social, Environmental and Climate Assessment Procedures of IFAD, and proposes recourse through a community-based route and formal legal procedures. The community-based grievance redress mechanism uses existing traditional structures and also facilitates grievance resolution at higher levels (including courts of law, where necessary).

B. Planning, monitoring and evaluation, learning, knowledge management and communication

42. **Planning.** The M&E team, in close collaboration with PSD, will be responsible for the coordination of programming and preparation of the project's AWP/B. AWP/Bs will be key instruments for implementation and operational control. PSD will consolidate AWP/Bs from all implementing partners, including at the community level. The project will adopt multi-year, results-oriented planning, linked with achievement of its development objective.
43. **Monitoring and evaluation.** PSD will coordinate M&E processes, reporting, and knowledge management. PSD will be responsible for preparing consolidated six-monthly and annual progress reports, conducting outcome surveys and carrying out thematic studies. A baseline study will be undertaken during the first year to provide a benchmark for assessment of outcomes and impact. The survey will include data for tracking progress on mainstreaming themes.
44. **Knowledge management and learning** will serve as the foundation for replication of successes, provide the analytical basis for resolving challenges, and help to adapt activities to changing social and economic circumstances in the target areas. A knowledge management action plan will be prepared to identify knowledge gaps, and document and disseminate knowledge using various communication tools (Ministry of Agriculture newsletter, brochures, websites and radio). South-South and Triangular Cooperation and exchange visits will be integrated into the knowledge management and learning strategy. Knowledge management will also inform the development of policy frameworks for food safety, the seed sector and animal health.
45. **Communication.** IADP will develop a strategic communication plan for communication products targeting specific groups such as the general public and donors to increase awareness of the project and its results. Improved communication will support the project's social inclusion interventions and improve group engagement and feedback.

Innovation and scaling up

46. IADP's key areas for innovation include: advanced irrigation technologies; cooperative development with a focus on promoting community-led agroenterprises for youth; energy-efficient cooking stoves; and community kitchens. Priority areas for scaling up will be: good practices and water use efficiency in irrigation; sustainable land and water management, conservation farming, and soil fertility; and Eritrea's Minimum Integrated Household Agricultural Package approach adapted to IFAD's mainstreaming priorities.

³ See Framework for Operational Feedback from Stakeholders (<https://webapps.ifad.org/members/eb/128/docs/EB-2019-128-R-13.pdf?attach=1>) for further details.

C. Implementation plans

Implementation readiness and start-up plans

47. The project will build on NAP's achievements, including its implementation structure, which will contribute to a seamless transition. Implementation readiness at start-up will include: (i) reappointment of staff, after performance evaluation, in accordance with updated terms of references; (ii) expedited procurement of an FM system and other related software; (iii) ESMF preparation, climate risk and vulnerability assessment upfront, as well as feasibility studies and capacity needs assessment; (iv) recruitment of key TA prior to project start-up.

Supervision, midterm review and completion plans

48. **Supervision.** IADP will be supervised by IFAD and the Government of Eritrea through joint supervision missions.
49. **Midterm review.** This will be undertaken halfway through the project to ensure that IADP is on track to achieving its development objective. The midterm review will also be an opportunity to revisit key design elements (e.g. indicator targets) as required, since IADP's design was finalized under COVID-19 guidelines.
50. **Project completion.** At the end of IADP's implementation, the Government of Eritrea will be required to undertake a project completion review, in close coordination with IFAD. A beneficiary impact assessment will also be undertaken to inform the review.

V. Legal instruments and authority

51. A project financing agreement between the State of Eritrea and IFAD will constitute the legal instrument for extending the proposed financing to the borrower/recipient. A copy of the negotiated financing agreement is attached as appendix I.
52. The State of Eritrea is empowered under its laws to receive financing from IFAD.
53. I am satisfied that the proposed financing will comply with the Agreement Establishing IFAD and the Policies and Criteria for IFAD Financing.

VI. Recommendation

54. I recommend that the Executive Board approve the proposed financing in terms of the following resolution:

RESOLVED: that the Fund shall provide a Debt Sustainability Framework grant to the State of Eritrea in an amount of twenty-one million one hundred thousand special drawing rights (SDR 21,100,000) and upon such terms and conditions as shall be substantially in accordance with the terms and conditions presented herein.

RESOLVED FURTHER: that the Fund shall provide a loan on highly concessional terms to the State of Eritrea in an amount of five million two hundred and fifty thousand special drawing rights (SDR 5,250,000) and upon such terms and conditions as shall be substantially in accordance with the terms and conditions presented herein.

Gilbert F. Hougbo
President

Negotiated financing agreement

Negotiated financing agreement: "Integrated Agriculture Development Project"

(Negotiations concluded on 15 October 2020)

Loan No: _____

Grant No: _____

Project name: Integrated Agriculture Development Project (the "IAPD" or the "Project")

The State of Eritrea (the "Borrower/Recipient")

and

The International Fund for Agricultural Development (the "Fund" or "IFAD")

each a "Party" and both of them collectively the "Parties"

WHEREAS

- A. The Borrower/Recipient has requested a loan and a grant from the Fund for the purpose of financing the Project described in Schedule 1 to this Agreement;
- B. The Borrower/Recipient has undertaken to provide additional support, financially or in kind that may be needed to the Project.

WHEREAS, the Fund has agreed to provide financing for the Project.

NOW THEREFORE, the Parties hereby agree as follows:

Section A

1. The following documents collectively form this Agreement: this document, the Programme Description and Implementation Arrangements (Schedule 1), the Allocation Table (Schedule 2) and the Special Covenants (Schedule 3).

2. The Fund's General Conditions for Agricultural Development Financing dated 29 April 2009, amended as of December 2018, and as may be amended hereafter from time to time (the "General Conditions") are annexed to this Agreement, and all provisions thereof shall apply to this Agreement, except for the following:

"Section 7.05 (a) (Procurement); Procurement of goods, works and services financed by the Financing shall be carried out in accordance with the provisions of the Borrower/Recipient's procurement regulations, to the extent such are consistent with the IFAD Procurement Guidelines. Each Procurement Plan shall identify procedures which must be implemented by the Borrower/Recipient in order to ensure consistency with the IFAD Procurement Guidelines";

For the purposes of this Agreement the terms defined in the General Conditions shall have the meanings set forth therein, unless the Parties shall otherwise agree in this Agreement.

3. The Fund shall provide a loan and a grant (the "Financing") to the Borrower/Recipient which the Borrower/Recipient shall use to implement the Project in accordance with the terms and conditions of this Agreement.

Section B

1. A. The amount of the loan (the "Loan") is five million two hundred and fifty thousand Special Drawing Rights (SDR 5 250 000).
- B. The amount of the grant (the "Grant") is twenty one million and one hundred thousand Special Drawing Rights (SDR 21 100 000).
2. The Loan is granted on highly concessional terms, and shall be free of interest but shall bear a fixed service charge as determined by the Fund at the date of approval of the Loan by the Fund's Executive Board, payable semi-annually in the Loan Service Payment Currency. The Loan shall have a maturity period of forty (40) years, including a grace period of ten (10) years starting from the date of approval of the Loan by the Fund's Executive Board. The principal is to be repaid at 4.5 per cent of the total principal per annum for years eleven (11) to thirty (30), and 1 per cent of the total principal per annum for years thirty first (31) to forty (40).
3. The Loan Service Payment Currency shall be the USD.
4. The first day of the applicable Fiscal Year shall be 1 January
5. Payments of principal and service charge shall be payable on 15 May and 15 November.
6. There shall be a Designated Account in USD, for the exclusive use of the Project opened in Bank of Eritrea. The Borrower/Recipient shall inform the Fund of the officials authorized to operate the Designated Account.
7. The Borrower/Recipient shall provide counterpart financing for the Programme in the estimated amount equivalent to USD 4.9 million in the form salaries of project staff, and taxes and duties on project expenditure.

Section C

1. The Lead Programme Agency shall be the Ministry of Agriculture (the "MoA") of the State of Eritrea.
2. A Mid-Term Review will be conducted as specified in Section 8.03 (b) and (c) of the General Conditions; however, the Parties may agree on a different date for the Mid-Term Review of the implementation of the Project.
3. The Project Completion Date shall be the sixth anniversary of the date of entry into force of this Agreement and the Financing Closing Date shall be six months later, or such other date as the Fund may designate by notice to the Borrower/Recipient. The Financing Closing Date will be established as specified in the General Conditions.
4. Procurement of goods, works and services financed by the Financing shall be carried out in accordance with IFAD's Project Procurement Guidelines and IFAD's Project Procurement Handbook

Section D

1. The Fund will administer the Financing and undertake a full supervision of the Project.

Section E

1. The following are designated as additional grounds for suspension of this Agreement:
 - (a) The PIM and/or any provision thereof, has been waived, suspended, terminated, amended or modified without the prior agreement of the Fund and the Fund, after consultation with the Borrower/Recipient, has determined that it has had, or is likely to have, a material adverse effect on the Project/Programme.
 - (b) The Project Coordinator, Financial Controller, Project Procurement Specialist, Monitoring and Evaluation, Component Leads and the Safeguards Specialist (the "National Programme Coordination Unit Key Staff" or the "NPCO Key Staff") have been appointed, transferred or moved without a non-objection of the Fund.
2. The following are designated as additional (general/specific) conditions precedent to withdrawal:
 - a) The NPCO Key Staff, as defined in para 1 above shall be appointed subject to IFAD's no objection to the recruitment process;
 - b) The PIM as described in Section II of Schedule 1, shall have been prepared in a form and substance satisfactory to the Fund;
 - c) An Environment and Social Management Plan (ESMP) has been prepared and implemented, subject to IFAD's non objection ;
 - d) A suitable off-the-shelf accounting software shall have been procured, installed and implemented at the NPCO; and
 - e) The Project Steering Committee (PSC) shall have been established.
3. This Agreement is subject to ratification by the Borrower/Recipient.
4. The following are the designated representatives and addresses to be used for any communication related to this Agreement:

For the [Borrower/Recipient]:

H.E Mr. Berhane Habtemariam
Minister of Finance of the State of Eritrea
Ministry of Finance
P.O. Box. 198
Asmara, Eritrea
H.E. Mr. Arefaine Berhe
Minister of Agriculture of the State of Eritrea
Ministry of Agriculture
P.O. Box. 1048
Asmara, Eritrea

For the Fund:

Sara Mbago-Bhunu
Regional Director
East and Southern Africa Division
International Fund for Agricultural Development
Via Paolo di Dono 44
00142 Rome, Italy

Bernadette Mukonyora
Country Director
East and Southern Africa Division
International Fund for Agricultural Development
Via Paolo di Dono 44
00142 Rome, Italy

This Agreement, [dated _____], has been prepared in the English language in two (2) original copies, one (1) for the Fund and one (1) for the Borrower/Recipient.

THE STATE OF ERITREA

"[Authorised Representative Name]"
"[Authorised Representative title]"

Date: _____

INTERNATIONAL FUND FOR
AGRICULTURAL DEVELOPMENT

Gilbert F. Hougbo
President

Date: _____

Schedule 1

Programme Description and Implementation Arrangements

I. Programme Description

1. *Target Population.* The Project/Programme shall directly benefit approximately 60,000 rural households or more than 300,000 household members. Priority beneficiaries will be: a) rural smallholder farmers involved in subsistence agriculture, horticulture and small livestock keeping; b) farmers and youth interested in establishing farmers' associations or cooperatives or pioneer small and medium enterprises (SMEs); c) women, especially woman-headed households, and households with young (0-5 years) children, with priority to malnourished children; and d) youth (18-35 years), including demobilized soldiers.

2. *Project/Programme area.* The Project/Programme will be national in scope, targeting all six Zobas (regions), with core interventions implemented in the four (4) inland Zobas, while the two (2) coastal Zobas will mostly be supported through environment and ecosystem protection interventions. Interventions will cover approximately 40 per cent of the sub-zobas (i.e. 36 sub-zobas). In view of the varied institutional capacity across the different Zobas, the intervention area will be expanded gradually, using a **phased approach** to ensure effective and sustainable achievement of outcomes and impacts. Among other triggers the expansion will be determined by:

- level of readiness of the decentralized implementing entities in the Zobas to manage additional area/activities, starting from Component 1 on watershed management interventions, with gradual expansion to Component 2;
- assessment of status of watershed treatment which will determine the appropriate entry point for interventions under Components 1 and subsequently component 2;
- impact assessment studies of NAP, which will provide guidance on the Zoba/sub-Zoba capacities, experiences and gaps to mitigate potential implementation inefficiencies.

3. *Goal.* The goal of the Programme is to contribute to poverty reduction and food and nutrition security of rural households.

4. *Objectives.* The Programme development objective (PDO) will be to enhance smallholder agricultural production and productivity in a sustainable way and improve rural livelihoods.

5. *Components.* The Programme shall consist of the following Components:

5.1 *Component 1: **Integrated Watershed Management*** – Given the poor spatial and temporal distribution, as well as the scarcity of rainfall in Eritrea, with over 90 percent of the total area receiving less than 450 mm per annum, soil moisture deficiency is one of the important risk factors to the country's food security. To address this challenge, this Component will support water-centred interventions, thereby deploying a watershed management approach (in the context of integrated water resources management (IWRM) as the planning unit. The Component will finance activities required to plan and implement IWRM to restore the hydrologic and ecological functioning of watersheds, enhance the sustainability of existing land uses and, improve its resilience to climate shocks. It will also support the production and dissemination of energy-saving technologies, especially stoves in selected watersheds. The expected outcome would be "Strengthened environmental sustainability and climate resilience of poor rural people's economic activities".

5.1.1 *Sub-Component 1.1. Development and Implementation of Participatory Integrated Watershed Management Plans*

5.1.2.1 *Sub-Component 1.2: Implementation of Watershed Management Plans*

5.1.2.2 *Sub-Component 1.3: Watershed Restoration and Water Management Infrastructure*

5.2 Component 2: **Crop and Livestock Productivity and Rural Livelihood Improvement** – Building on the outcomes of the water-centred interventions in Component 1, the aim of this Component is to sustainably invest in agriculture and livestock productivity enhancing interventions, post-harvest handling of agricultural commodities and improving resilience of farmers to climate change, through climate smart agriculture (CSA). The CSA and livestock technologies and good practices will be supported and implemented in the targeted areas as a starting point to then be scaled up, prioritizing key commodities. At least 26,250 households would benefit from enhanced advisory and livestock services, improved access to production assets and seeds, and nutrition-sensitive agriculture practices. This component will support *piloting of agro-SMEs*, based on business plans, that are expected to create about 6 500 jobs for the young people, in line the focus of the Eritrea COSOP (2020-2025) to gradually move towards market-oriented production. The expected outcome will be “Increased diversification of livelihoods and resilience of communities”.

5.2.1 *Sub-Component 2.1. Access to Advisory Services*

5.2.2. *Sub-Component 2.2 Sustainable Access to Inputs and Technologies for Enhanced Production and Post-harvest Management*

5.2.3. *Sub-Component 2.3 Producers' Organizations and Cooperatives Support*

5.3. Component 3. **Institutional Capacity Building & Project Support Services** – This will be a cross-cutting component servicing the technical components and facilitating pathways for the effective implementation of planned activities, and addressing systemic institutional capacity gaps. The component aligns with SO3 of the Eritrea COSOP (2020-2025) and responds to the need to strengthen capacities. Accordingly, it will aim at: a) augmenting the capacity of the institutions (public and private sector/farmer organizations) that will be responsible for overseeing and/or implementing the different IADP activities; b) facilitating the development and/or review and update of policies and strategies of selected subsectors for their effective and structured development; and c) managing IADP in an efficient and effective manner by providing overall coordination, including planning and implementation, financial management and control, procurement support, monitoring and evaluation, knowledge management, and progress reporting. It will also ensure liaison and linkage with all other relevant projects/programmes being implemented in the country that seek to address similar or related constraints.

5.3.1. *Sub Component 3.1 Institutional Capacity Building and Policy Support*

5.3.2. *Sub Component 3.2 Project Management and the South-South Triangular Cooperation (SSTC)*

5.4. Component 4. **Disaster Risk Reduction and Management** –This is a “zero budget allocation” component. It is a response window to improve the project’s agility to respond to crisis/emergencies declared by the Government that have significant adverse impacts on IFAD’s target group, achievement of project objectives and the overall viability of project intervention. The objective will be to avail funds that can be quickly drawn, hence giving the project adequate preparedness and timely response when adverse conditions manifest, such as recurrent weather extremities or any other calamities, such as the recent COVID-19 pandemic.

II. Implementation Arrangements

6. *Lead Programme Agency.* IADP will be implemented within the Government's decentralised institutional framework, comprising the MOA technical departments at national level, and their decentralized structures, comprising of the branches and units of Zoba and Sub-zoba level, as well as at Kebabi level. The MoA will be the lead executing agency for the Programme, and will delegate the role of the lead implementing agency to the Planning and Statistics Department (PSD). It will liaise with the other participating ministries/institutions and other relevant stakeholders to steer effective Project implementation.

7. *Programme Oversight Committee.* **The National Project Steering Committee (NPSC)** of NAP will be re-established under IADP to ensure cross-sectoral coordination as well as strategic oversight of project implementation in accordance with the set objectives, across the six (6) Zobas. Its functions will include: a) oversight of Project implementation; b) ensuring that the Project is implemented within the national policy and strategy framework; c) approval of the AWPB; and d) providing strategic guidance and resolving critical implementation bottlenecks. The NPSC will be chaired by the Minister of Agriculture and include MoF, MoLWE and the six Zoba governors or their representatives, the Director of PSD of MoA will be the secretary.

Zoba Project Coordination Committees (ZPCCs) will provide oversight of operations at Zoba level, review and endorse the Zoba AWPB implementation progress and financial reports before forwarding to PSD and NPCO for consolidation. The ZPCCs will meet on a quarterly basis and will be chaired by the Zoba Governors and comprising, inter alia, the Directors of Zoba Administration Departments and Heads of Agriculture Divisions. Their functions are similar to that of the NPSC at national level.

8. *Programme Management Unit.* **National Project Coordination Office (NPCO)** will be established under MoA's Planning and Statistics Division (PSD); thus, the NPCO will be under the direct supervision of the PSD Director. The NPCO will ensure day-to-day management of the Project; it will be headed by a full-time Project Coordinator (PC), fully dedicated to IADP. The NPCO structure, as it is under NAP, will remain largely unchanged. However, the PC and all IADP-NPCO staff will largely be expected to be fulltime and fully dedicated to the Project. The IADP-NPCO will be reinforced to: a) strengthen technical coordination across project implementers; b) improve planning, fiduciary functions, and M&E, and c) ensure compliance with environmental/safeguards and adherence to targeting and social inclusion requirements. The IADP-NPCO will be organised into: a) three technical teams headed by component heads supported by sub-component technical expert; b) planning and monitoring team, headed by a Senior M&E Officer, supported by planning, M&E, KM, Social Inclusion and Environmental Monitoring Officers; and c) an administration team consisting of a Senior Procurement Officer and Financial Controller supported by 3 procurement assistants, an accountant and an assistant accountant.

Zoba Project Coordination Offices (ZPCOs) will be established in each of the six Zobas, to coordinate implementation of the Project. They will comprise technical experts seconded from the Zoba branches. The ZPCO structure will mirror that of the NPCO at national level. The Zoba Administration will carry-out coordination and implementation responsibilities at Zoba level. At Zoba level, the Directorate General for Agriculture, Land and Environment will be responsible for implementation of the bulk of project activities, through the Local Government structure. In particular, the branches of Soil, Water and Irrigation; Animal Resources; and Crop Development will implement project activities through the various units and sub-zoba structures. In addition, the Agricultural Infrastructure branch of the Directorate General for Infrastructure Development will have an implementation role in relation to dam infrastructure development. Within each Zoba, the development process will largely be driven by the local communities through the Sub-zobas and Kebabi administrations following the GoSE decentralised participatory planning

system, whereby Village Development Plans are consolidated into Kebabi plans, which are then consolidated into Sub-zoba plans, and finally then into Zoba plans. The Sub-zoba Agricultural Divisions will provide direct supervision of the Kebabi-based technical teams as well as prepare progress reports following Government guidelines.

Planning and Implementation Committee (PIC) in each Kebabi headed by the Kebabi Administrator will coordinate planning and implementation of project activities. PIC will receive technical support from the Sub-zoba line agencies.

9. *Implementing partners.* AED of MoA will be a core implementing entity as it has a mandate for implementation of national resources management, catchment treatment, irrigation development, horticulture and livestock development; agricultural extension and communication; value addition, agro-input supply. AED will provide technical backstopping to the Zoba administrations, and ensure that Project implementation is aligned with GoSE policy and strategy. It will collaborate with the RSD and MoLWE in ensuring that agricultural production activities are carried out within the environmental guidelines and policies. NSU, under AED, in collaboration with Zoba seed units, will technically backstop private-sector seed growers for multiplication, processing and marketing of certified/improved seeds, as well as be responsible for development of the national annual seed plan and development of specifications for procurement of these seeds. The Marketing and Credit Unit will be responsible for activities related to input distribution.

NARI will assume responsibility for adaptive research and strengthen collaboration with the AED targeted on the following subjects: TLST, IPM, bio-pesticides, organic fertilizers, rangeland management, improvement of indigenous poultry, as well as food safety and nutrition. Seed variety screening and multiplication of foundation and breeder seed, will be supported by the development and implementation of protocols and the decentralization of the seed distribution system. Implementation will happen at national level as well as through the Research Sub-Stations, as per the agro-ecological zones.

Other key stakeholders will include: a) RSD – will support inspection services of food, feed seed, pesticides, drugs and vaccine and some environmental assignments, through their Zoba Inspection Departments as well as providing quarantine services and seed certification schemes; b) NAPHL – will work on food quality and safety, and start-up the capacity to produce vaccines, in particular for small ruminants and poultry; c) AFD – will foresee the financial management and procurement functions of the Project; and d) Agricultural Colleges – will be a potential partner for capacity-building activities (Subcomponent 3.1).

10. *Monitoring and Evaluation.* PSD will coordinate monitoring and evaluation processes, reporting, and knowledge management. PSD will be responsible for the preparation of consolidated 6-monthly and annual progress reports. A baseline study will be undertaken during the first year of Project implementation to provide a benchmark for assessment of outcomes and impact of the Project; the study will incorporate appropriate questionnaire to collect baseline data for tracking progress on mainstreaming themes (i.e. MDD-W) following IFAD COI standard guidelines and Appendixes. It will also conduct impact evaluation and knowledge management activities, production of annual progress reports, conducting the annual outcome surveys and implementation review workshops, carrying out special/thematic studies, Mid-term review (MTR) and Project Completion Report (PCR).

The Project will adopt a results-based management and check systematically the contribution of each planned activity to outcome achievement. IFAD will undertake periodic monitoring, evaluation and supervision Missions to assess the status of Project implementation and evaluate the Project's direction with respect to its objectives, outputs and outcomes. IADP's M&E strategy will be to establish an iterative process for identifying issues and problems to ensure that the Project focus is maintained and expected outcomes are achieved. This will rely on data from periodic monitoring within the context of the operational M&E framework, and on specific thematic surveys, such as adoption, household

and outcome surveys. The team will document achievements through reflection meetings with NPCO team, implementing agencies and beneficiaries. The reflection meetings shall be organized on a quarterly basis for NPCO, ZPCOs and implementing agencies. PSD will also explore innovative ways to collect qualitative and quantitative data, including GIS, focus group discussions, structured interviews and longitudinal panels. This will guide the consolidation of input and output data provided by implementers and reporting on efficiency of implementation.

Quarterly, bi-annual and annual reports will be produced by the respective implementing agencies with formal reporting responsibilities to the NPCO; the NPCO will consolidate the different reports to produce a Project-wide report for submission to GoSE and IFAD. Reports will provide information such as: a) overview of intervention activities undertaken in the last quarter and cumulatively over the fiscal year; and b) progress and outputs in terms of the agreed M&E indicators, provide lessons learnt, and knowledge gaps identified. The reports will also seek to identify any constraints encountered so as to seek guidance (where needed) from Project management for addressing the constraints. The project will strengthen MOA's M&E capacity (tools and methods) for data collection and analysis to enhance reporting of project results.

The above-indicated monitoring activities will be complemented by frequent monitoring meetings between the NPCO and the Minister of Agriculture, as well as field visits by members of the NPSC. IFAD will also ensure that an M&E specialist is included in at least 1 mission per year. The NPCO will ensure adequate beneficiary monitoring at the Zoba level to address potential overlap with FREMP and other development projects in target areas.

11. *Knowledge Management.* KM&L will serve as a foundation for replication of successes, provide the analytical basis to resolve challenges, and help to adapt activities to changing social and economic circumstances in the target areas. A KM action plan will be prepared to: a) identify knowledge gaps and prioritization of knowledge products to be developed; b) systematically document methods to ease the up-scaling of best practices in Eritrea or repackaging of innovative approaches developed elsewhere; c) disseminate knowledge using various communication tools (MoA newsletter, brochures, websites, radio, FFS). Regular reflection workshops, drawing on M&E data to improve performance, will be held and information sharing mechanisms (internal and external) developed. The South-South cooperation and exchange visits will also be integrated in the KM&L strategy (see Subcomponent 3.3).

Supervision – IADP will be jointly supervised by IFAD and GoSE. Supervision will be seen as a continuous process including joint missions with the Government, as well as continuous desk review to ensure that implementation is on track. Missions will be used as an opportunity to jointly assess achievements and lessons learned with the overall objective of ensuring effective project implementation and increase the likelihood of achieving the target objective. The composition of supervision and implementation support missions will largely be determined by the prevailing circumstances. To the extent possible, the composition of the supervision and implementation support team will be maintained to ensure continuity. Implementation support will be provided through technical assistance especially on M&E and Procurement.

Mid-Term Review (MTR) – An MTR will be undertaken midway through project implementation and will evaluate whether the project is on course to achieve the objectives. The MTR will be a key reflection moment to assess implementation performance and recommend adjustments to the project, as may be required. The recommendations will take into consideration the likelihood of achieving the project's targets during the remaining implementation period and may modify these targets, if considered necessary. The MTR will also be critical considering that this design has been finalised under COVID-19 guidelines and there may be need to revisit the assumptions of the project since a validation design mission could not take place. The MTR will also consider a potential extension to the project if required.

Project Completion Plans – At the end of the IADP implementation, GoSE will be required to undertake the Project Completion Review (PCR) exercise, in close coordination with IFAD, in order to report on the results achieved through project interventions. As part of completion activities, a Beneficiary Impact Assessment will be undertaken and findings used to inform the Project Completion Report. The main purposes of the completion review process are to promote accountability, reflect on performance and elicit lessons learned to inform future programme/project design and to define an appropriate post-project strategy. The learning dimension of the completion process will be used by both IFAD and GoSE as the foundation for improvements in future programme/project design and implementation. The completion review process will also be critical for identifying opportunities for scaling-up best practices.

12. *Programme Implementation Manual*. A draft Project Implementation Manual (PIM) is included as one of annexes to the PDR (Annex 8). The PIM provides guidelines, procedures and processes that are to be followed in the implementation of IFAD funded initiatives under IADP. As an annex to the PDR, the processes and procedures presented are to be read in conjunction with the relevant sections in the PDR. It is envisaged that at start-up, the NPCO will convene all the relevant implementing agencies and stakeholders to review, clarify, refine and confirm the activities and processes outlined in the PIM, and therein finalise the PIM for submission to IFAD for No Objection. The PIM should give due attention to the relevant arrangements for implementing the Environment and Social management Plan (ESMP). It is emphasized that the PIM is a living document, which can be reviewed periodically during the lifetime of the project, based on lessons learnt, subject to approval by the Project Steering Committee and IFAD's No Objection.

Schedule 2

Allocation Table

1. *Allocation of Loan/Grant Proceeds.* (a) The Table below sets forth the Categories of Eligible Expenditures to be financed by the Loan/Grant and the allocation of the amounts to each category of the Financing and the percentages of expenditures for items to be financed in each Category:

Category	[Grant Amount Allocated] (expressed in SDR)	[Loan Amount Allocated] (expressed in SDR)	Percentage (net of tax)
I. Works	6 570 000	3 010 000	100%
II. Training and Workshops	3 180 000		100%
III. Consultancies	1 590 000		100%
IV. Investment capital	230 000		100%
V. Equipment	3 690 000	770 000	100%
VI. Inputs	3 730 000	680 000	100%
VII. Operating costs		270 000	100%
Unallocated	2 110 000	520 000	
TOTAL	21 100 000	5 250 000	

(b) The terms used in the Table above are defined as follows:

- Investment Capital refers to the funds allocated towards the piloting of micro agro-enterprises in sub-component 2.2.

2. *Disbursement arrangements*

Start-up Advance.

Withdrawals in respect of expenditure for start-up costs in categories III. Consultancies and V. Equipment, incurred before the satisfaction of the general conditions precedent to withdrawal, shall not exceed an aggregate amount equivalent to USD 300,000. Activities to be financed by Start-up Costs will require the no objection from IFAD to be considered eligible.

Schedule 3

Special Covenants

In accordance with Section 12.01(a)(xxiii) of the General Conditions, the Fund may suspend, in whole or in part, the right of the Borrower/Recipient to request withdrawals from the Loan/Grant Account if the Borrower/Recipient has defaulted in the performance of any covenant set forth below, and the Fund has determined that such default has had, or is likely to have, a material adverse effect on the Project:

1. Within six (6) months of entry into force of the Agreement, the Project will enter into Memorandum of Understandings (MoU) or implementation agreements with relevant implementing partners that will structure the collaboration, define roles, responsibilities and duties with regards to implementation, financial management, accounting and reporting.
2. The Borrower/Recipient undertakes that within six (6) months of entry into force of the Agreement:
 - a. both NCPO and ZPCO, as further defined in Schedule 1 of this present Agreement will be fully staffed by all key personnel in line with the terms of reference agreed between the Parties and to the satisfaction of the Fund;
 - b. the Zoba Coordinator, Technical Coordinator, and specialists in Procurement, Financial Management, Monitoring and Evaluation and Social Inclusion (the "Key Staff of the ZPCO") will be fully dedicated to the implementation of the Project.
3. *Planning, Monitoring and Evaluation.* The Borrower/Recipient shall ensure that a Planning, Monitoring and Evaluation (PM&E) system shall be established within twelve (12) months from the date of entry into force of this Agreement.
4. *Gender.* The Borrower/Recipient shall ensure that a Social Inclusion Strategy has been dully prepared and submitted to IFAD for No Objection
5. *Compliance with the Social Environmental and Climate Assessment Procedures (SECAP).*
 - a. The Borrower/Recipient shall ensure that the Project will be implemented in compliance with IFAD's SECAP and Government of Eritrea's laws, and in compliance with the Environment and Social Management Framework (ESMF), Climate Risk Analysis (CRA), Environment and Social Management Plans (ESMPs), and the principles of Free Prior and Informed Consent (FPIC), and international treaty to which Eritrea is a party. Specifically, the project shall maintain appropriate pest management practices and comply with the principles of the international code of conduct on the distribution and use of pesticides of the Food and Agriculture Organization of the United Nations (FAO) and WHO .
 - b. In case of a SECAP related complaint the Borrower/Recipient shall:
 - i) be responsible for proposing and implementing an easily accessible project-level Grievance Redress Mechanism (GRM), including but not limited to workplace grievance, contractor and third party, in order to receive and facilitate resolution of concerns and grievances of people/parties in a transparent, responsive and timely manner;
 - ii) define clear roles, responsibility and authority for implementing and monitoring of stakeholder engagement and compliance with IFAD's SECAP;
 - iii) to the extent possible provide mediation where complainants are not satisfied with the resolution; and
 - iv) notify IFAD promptly and provide information of any significant complaint.
6. *Anticorruption Measures.* The Borrower/Recipient shall comply with IFAD Policy on Preventing Fraud and Corruption in its Activities and Operations.

7. *Sexual Harassment, Sexual Exploitation and Abuse.* The Borrower/Recipient and the Project Parties shall ensure that the Project is carried out in accordance with the provisions of the IFAD Policy on Preventing and Responding to Sexual Harassment, Sexual Exploitation and Abuse, as may be amended from time to time.

8. Use of Project Vehicles and Other Equipment. The Borrower/Recipient shall ensure that:

- (a) The types of vehicles and other equipment procured under the Programme are appropriate to the needs of the Project; and
- (b) All vehicles and other equipment transferred to or procured under the Programme are dedicated solely to Project use.

Logical framework

Results hierarchy	Indicators				Means of verification			Assumptions
	Name	Baseline	Mid-term	End target	Source	Frequency	Responsibility	
Outreach								
	Number of Households receiving project services Estimated corresponding number of household members - C.I. 1.a Persons receiving services promoted or supported by the project (disaggregated by age and gender)- C.I. 1.b – 40% women; 40 % youth (18-35 years)	0 0	25 000 125 000	60 000 300 000	Annual Consolidated Project Report – beneficiary database	Baseline Midterm End-line	PSD NPCO	-The outreach of the delivery of services, inputs, tools and equipment is increased and diversified
Goal								
To contribute to poverty reduction, and food and nutrition security of rural households in the targeted areas	● Indicator 1: Food deficit at the national level reduced (%) ⁴	38 ⁵	30	22	MOA Annual Report	Baseline Midterm End-line	PSD NPCO	- The implementation of the peace deal provides a conducive environment for business and agribusiness development - COVID-19 situation recedes and project operations & proceed normally or guidelines for COVID-19 implemented
	● Indicator 2: % households reporting an increase in household asset index ***	0	15	30	Annual Outcome surveys			
Project Development Objective								
Enhancement of smallholder agricultural production and productivity and improvement of rural livelihoods, in a sustainable and climate-resilient way	● Indicator 3: % increase in national annual agricultural output in the project target areas ⁶	0	15	40	Outcome Survey	Baseline Midterm End-line	PSD NPCO	-The implementation of the peace deal provides a conducive environment for business and agribusiness development - Climatic conditions are conducive for production
	● Indicator 4: New jobs created (2.2.1)	0	2 500	6 500				
Component 1: Integrated Watershed Management								
Outcome 1: Strengthened environmental	● Indicator 5: % of households reporting reduced water shortage vis-à-vis production needs (1.2.3) ***	0	30	70	Survey	Annual outcome surveys	NPCO	- Timely completion of procurement processes and construction of water-related infrastructure

⁴ Ministry of Agriculture data - specific reference to cereals. Considering 10 year average

⁵ 2019 data

⁶ Strategic crop, fruits, vegetables and livestock products – comparing With and Without project

Results hierarchy	Indicators				Means of verification			Assumptions
	Name	Baseline	Mid-term	End target	Source	Frequency	Responsibility	
sustainability and climate resilience of poor rural people's economic activities	● Indicator 6: % of households reporting adoption of environmentally sustainable and climate-resilient technologies and practices (3.2.2)**	5	15	40		Baseline Midterm End-line		- Communities adopting climate resilient soil and water management practices - Investments informed by watershed management plans
Outputs: 1.1: Climate resilient & sustainable management 1.2: Irrigation production is promoted	● Indicator 7: No. ha brought under climate resilient and sustainable management practices (3.1.4)	0	4 000	10 000 ⁷	Project M&E Reports	Annual outcome surveys	NPCO, ZPCO, Project implementing agencies	- Gov. will assign staff & O&M recurrent budget
	● Indicator 8: No. ha of land under irrigated crop production (1.1.2)	0	645	1915		Baseline Midterm End-line		
Component 2: Crop and Livestock Productivity and Rural Livelihood Improvement								
Outcome 2: Increased diversification of livelihoods and resilience of communities	● Indicator 9: % of women reporting improved quality of their diets-1.2.8) ****	0	30	80	Survey	Annual outcome surveys	NPCO	- Inputs and technologies are effectively disseminated to farmers in a timely manner - Nutrition education is effectively delivered to households - Beneficiaries successfully organised into groups & producer organisations providing services to their membership
	● Indicator 10: % of persons reporting adoption of new/improved inputs, technologies or practices (1.2.2) ***	0	20	40		Baseline Midterm End-line		
	● Indicator 11: % of persons engaging in new livelihood opportunities derived from the project ⁸ ***	0	30	80				
Outputs 2.1 Improved access to advisory services, inputs and livelihood support 2.2 knowledge on nutrition enhanced 2.3 Strengthened POs skills for collective services and market linkages	● Indicator 12: Number of persons trained in production practices and/or technologies (1.1.4)***	0	10 000	22 000	Project M&E Reports	Annual Baseline Midterm End-line	NPCO	- Agricultural and nutrition extension is effectively delivered to households - Timely completion of procurement processes
		0	10 000	22 000				
	● Indicator 13: Number of persons trained in off-farm livelihood opportunities ***	0	3 000	6 000				
	● Indicator 14: Number of households provided with targeted support to improve their nutrition (1.1.8) ***	0	2 000	5 000				
	● Indicator 15: Number of rural producer organizations supported (2.1.3) ***	0	50	120				

⁷ An average of 3 integrated watershed management plans are expected to be developed and implemented per Zoba.

⁸ Ref. EFA – including berbere processing, beekeeping, sesame processing, tools workshops, service provision

Results hierarchy	Indicators				Means of verification			Assumptions
	Name	Baseline	Mid-term	End target	Source	Frequency	Responsibility	
Component 3: Capacity Building & Project Support Services								
Outcome 3: Institutional capacity and performance to sustainably deliver services to the targeted beneficiaries enhanced	• Indicator 16: % Cumulative project disbursement targets met	0	60	100	Assessment	Baseline Midterm End-line Annual outcome surveys	NPCO, ZPCO, Project implementing agencies	- Realistic planning processes by the Government and timely execution of procurement activities - Grievance redress and consultation platform set-up - Feedback culture adopted by the beneficiaries and communities
	• Indicator 17: % of government staff reporting enhanced skills from the project interventions **	0	30	70				
	• Indicator 18: % of HH reporting they can influence decision-making of local authorities and project-supported service providers (SF.2.2) ***	0	30	60				
	• Indicator 19: % of HH satisfied with project services (SF.2.1) ***	0	30	60				
Outputs 3.1 Staff trained on project management	• Indicator 20: Capacity needs assessment undertaken and implementation plans developed	0	2	4	Annual project reports	Annually Baseline Midterm End-line	NPCO, ZPCO, Project implementing agencies	- Government leadership - Consultation platform set-up
	• Indicator 21: % of NPCO and ZPCO staff supported with training and capacity development initiatives **	0	70	90				
3.2 Knowledge management, learning and policy engagement promoted	• Indicator 22: Number of policy-relevant knowledge products completed (Policy 1)							

** Indicator to be disaggregated by gender and age / *** indicator to be disaggregated by gender, age and sector / **** Indicator to be disaggregated by age

Integrated project risk matrix

Risk Categories and Subcategories	Inherent	Residual
Country Context	Substantial	Moderate
Political Commitment	Moderate	Low
<p>Risk(s): If the peace treaty between Ethiopia and Eritrea does not hold, the country may remain in isolation, and further divert from the current development trajectory. This may impact on the Country's ability to invest in agriculture and other development sectors, and mobilisation of counterpart funds</p>		
<p>Mitigations:</p> <ul style="list-style-type: none"> • IADP will support investments that promote economic and social empowerment of the rural communities to enhance their resilience • Apply IFAD's guidelines for accounting for in-kind contribution to fully capture the contribution of the Government and beneficiaries, in lieu of counterpart funds 		
Governance	High	Substantial
<p>Risk(s): Insufficient accountability and transparency due to weak financial internal controls; gaps in financial reporting and lack of national legal regulatory framework for procurement to curb fraud and corruption. Inclusion of women and youth in decision making remains a challenge due to socio-cultural and generational norms</p>		
<p>Mitigations:</p> <ul style="list-style-type: none"> • TA will be provided to build capacity in Financial Management and put in place internal control framework • IFAD's Project Procurement Guidelines, Procurement Handbook and standard procurement documents (SPDs) shall be used; • AFDB has just initiated a project to support the Government in the preparation of a framework for Public Procurement • SECAP and specific quotas for the inclusion of women and youth. IADP also includes self-targeting activities that are attractive to these social categories (women and youth). • An ESMF has been prepared which presents guidance on Free, Prior and Informed Consent (FPIC) 		
Macroeconomic	Substantial	Moderate
<p>Risk(s): The Gross Domestic Product (GDP) of Eritrea relies heavily on services (58.9 per cent) and industry (23.5 per cent). Agriculture and fisheries contribute only 17.6 per cent, although the sector employs 65-70 per cent of the population. The agriculture sector continues to underperform, and is unable to meet the food demands of the population. Agriculture and fisheries provide only a minor contribution to economic growth due to persistent low productivity, lack of investments and vulnerability to frequent droughts. The 2019 Ease of Doing Business score of Eritrea is 23.1 and ranks Eritrea 189th out of 190 countries. Private sector participation in the economy is constrained by various economic and financial parameters. Consequently, Eritrean agriculture has difficulties to compete in the international markets combined with restricted cross-border movements of capital, goods and services.</p>		
<p>Mitigations:</p> <ul style="list-style-type: none"> • IADP will support investments that promote economic and social empowerment of the rural communities to enhance their resilience • IADP will also focus on addressing demand from local markets and import substitution 		

Risk Categories and Subcategories	Inherent	Residual
<ul style="list-style-type: none"> • IADP will gradually integrate business planning to inform investments • The resumption of relations with Ethiopia and neighbouring countries may promote intra-regional trade on agriculture commodities 		
Fragility and security	Substantial	Moderate
Risk(s): Negative impact of emergencies on the economy and livelihoods - COVID-19 & Desert Locust		
Mitigations: <ul style="list-style-type: none"> • IADP includes an un-costed component to address any potential disasters and emergency situations arising from the project. • IFADs Rural Poor Stimulus Facility (RPSF) will address short-term disruptions to food supply chains, to ensure that beneficiaries are in a position to absorb project interventions • Reallocations under NAP are contributing to address the Desert Locust emergency. The Government is also exploring biological pesticides, and developing technology to convert the desert locust into animal feed. 		
Sector Strategies and Policies	Substantial	Moderate
Policy alignment	Substantial	Moderate
Risk(s): -Limited coordination across sectors, -Enabling environment may not be conducive for the realization of the Small and Medium Commercial Farmers Strategy (SMCFS) with the goal to create by 2023 farm enterprises that engage in highly productive, profitable agriculture value chains linked to domestic and international markets.		
Mitigations: <ul style="list-style-type: none"> • Continuous engagement with GoSE on coordination on watershed management activities by FREMP and NAP when they converge in Zobas, and within the context of the UNCT • IADP is supporting the development of key policy frameworks that are critical to the implementation of the SMCFS including the translation of policies into regulations for the food safety and certification protocols; seed sector development policy; cooperative proclamation, animal health legislation; enabling conditions for engagement in market-oriented production and nutrition sensitive agriculture. 		
Policy development & implementation	Substantial	Moderate
Risk(s): Despite policy level aspirations for the development of a productive and profitable agriculture sector and a very strong commitment by Government to the country's development agenda, there are significant systemic gaps at the institutional and policy levels e.g. appropriateness of procedures and regulatory frameworks to guide the implementation of rural development projects (e.g. national procurement framework, limited technical and institutional capacities at all levels, inadequate financial management and M&E systems which impact on the ability to quantitatively demonstrate development impact.		
Mitigations: <ul style="list-style-type: none"> • Capacity needs assessment, which will inform capacity development interventions and the provision of specialised technical assistance. Partnerships with ASARECA, Africa Capacity Building Foundation and FAO will be explored. • Analysis of economic sustainability and value for money to underpin new investments; • Strengthen M&E systems to demonstrate viability or inadequacies of different policies/strategies. 		

Risk Categories and Subcategories	Inherent	Residual
• AFDB has just initiated a project to support the Government in the preparation of a framework for Public Procurement		
Environment and Climate Context	High	Substantial
Project vulnerability to environmental conditions	High	Substantial
<p>Risk(s): Given the poor spatial and temporal distribution of water as well as total scarcity of rainfall in Eritrea, with over 90 percent of the total area receiving less than 450 mm per annum, soil moisture deficiency remains to be the single most important physical production related risk factor to ensure food security in the country The project takes place in the context of land degradation and over exploitation of woody biomass</p>		
<p>Mitigations: • Component 1 is built around integrated water resources management (IWRM) as the planning unit. It will finance activities required to plan and implement IWRM to restore the hydrologic and ecological functioning of watersheds, enhance the sustainability of existing land uses and, improve its resilience to climate shocks. • a high level of awareness by government and regular programs of community level terracing and afforestation, which will also be reinforced by project activities</p>		
Project vulnerability to climate change impacts	High	Substantial
<p>Risk(s): The climate risk of the Project is preliminarily classified as “high”. Climate change and increased climate variability are severely affecting Eritrea, through its significant impact on crop and livestock production, upland fish farming and rural livelihoods Based on trends, it is likely that most of the project sites will be exposed to at least one season of very low rainfall over the life of the project</p>		
<p>Mitigations: • The climate risks will be mitigated by increasing the ability of the affected communities to adapt to environmental and economic variability, and long term changes. As per IFAD requirements, a detailed desk-based Climate Risk Analysis will be undertaken during the pre-implementation, including details of mitigating actions. • Some of the climate smart technologies to be promoted include: a) rainwater harvesting; b) drought tolerant and early maturing crop varieties; c) drought tolerant forage and agroforestry fodder species; d) watershed conservation and management; e) afforestation ;f) mangrove rehabilitation and conservation; g) solar and other forms of renewable energy sources, and energy saving approaches etc • The project introduces an innovative approach to targeting, that takes into account the agro-ecological conditions and overall environment and climate suitability to the proposed interventions</p>		
Project Scope	Moderate	Low
Project relevance	Moderate	Low
<p>Risk(s): A national programme may result in resources (financial and technical), spread too thinly, which may negatively impact implementation and affect the achievement of the development objectives.</p>		
<p>Mitigations: • Phased implementation based on Zoba capacities, state of the watershed treatment and findings of the NAP impact assessment will be applied</p>		

Risk Categories and Subcategories	Inherent	Residual
<ul style="list-style-type: none"> • Targeting Strategy will take into account agro-ecological suitability, beneficiary capacities, preference and prioritization • Active contribution of local and national key institution partners 		
Technical soundness	Moderate	Low
Risk(s): Limited capacities may impact on the implementation of the innovative technical aspects of the project including remote sensing, sprinkler irrigation, agribusiness approaches		
Mitigations: <ul style="list-style-type: none"> • Capacity needs assessment coupled with specialised technical assistance and on-the-job training • Farmer field schools approach will be adapted to include business planning • Phasing of project interventions to simplify the project component structure 		
Institutional Capacity for Implementation and Sustainability	High	Substantial
Implementation arrangements	High	Substantial
Risk(s): Institutional Capacity gaps to implement innovative technical aspects of the project		
Mitigations: <ul style="list-style-type: none"> • Capacity needs assessment • Provision of specialized international technical assistance. • Institutional capacity development at all levels, with training of young staff, as well as investments in equipment and systems. 		
M&E arrangements	High	Substantial
Risk(s): Weak M&E systems and capacities to consolidate, analyse data and report on outcomes. Different reporting systems across the Zobas		
Mitigations: <ul style="list-style-type: none"> • Specialised Technical Assistance • Participation in PRIME training of project staff • Development of project-level M&E manuals and standardized approaches across Zobas • Focus on outcome surveys 		
Procurement	Substantial	Moderate
Legal and regulatory framework	Substantial	Moderate
Risk(s): <ul style="list-style-type: none"> • Lack of acceptable national legal and regulatory framework ; • Lack of standard bidding documents ; • Weak contract administration and management; • Limited public access to procurement information also due to very weak ICT systems. 		
Mitigations: <ul style="list-style-type: none"> • Lack of acceptable national systems means IFAD's Project Procurement Guidelines, Procurement Handbook and standard procurement documents (SPDs) shall be mandatory; • a highly competent, qualified and dedicated team will ensure compliance with procurement monitoring; • enable IFAD-financed projects to operate on a separate platform to government or for IFAD to ensure government's systems are upgraded. 		

Risk Categories and Subcategories	Inherent	Residual
Accountability and transparency	High	High
Risk(s): <ul style="list-style-type: none"> • The Government of Eritrea has to date not confirmed the existence of a procurement complaints mechanism; • Transparency.org assigns a low country corruption perception index score (23); • lack of a 2-tiered system to handle complaints, a debarment system and an independent and competent local authority responsible for investigating corruption allegations. 		
Mitigations: <ul style="list-style-type: none"> • IFAD can strongly encourage government through policy dialogue to address these shortcomings; • All procurement entities, as well as bidders, suppliers, contractors, consultants and service providers, shall observe the highest standard of ethics during the procurement and execution of contracts financed under IFAD funded Projects, in accordance with paragraph 84 of the Procurement Guidelines. The Revised IFAD Policy on Preventing Fraud and Corruption in its Activities and Operations shall apply to all projects, vendors and third parties, in addition to the relevant national anticorruption and fraud laws. Adoption of IFAD's Standard Procurement Documents will mitigate the identified risk. 		
Capability in public procurement	Moderate	Low
Risk(s): <ul style="list-style-type: none"> • Overall, capacity of the procurement team is low; • World Bank templates for ICB, NCB and shopping are being used; • There is no indication that legal and regulatory framework documents are readily available to procurement staff. 		
Mitigations: <ul style="list-style-type: none"> • Provision of regular training and Technical Assistance; • support on preparation of bidding activities in compliance with IFAD's requirements; • Government commitment to the recruitment of qualified project staff; • With the use of IFAD's SPDs, the quality of documents should improve and be compliant with IFAD's requirements 		
Public procurement processes	Moderate	Low
Risk(s): <ul style="list-style-type: none"> • Procurement methods are consistent with IFAD Guidelines. However, the choice of procurement methods should be revisited where national market conditions warrant it; • While ICBs are advertised on UNDB, bidding documents for other procurement methods are shared with bidders in soft copy via a USB pen, but they are only available at the MoA offices; • Procurement plans are of low quality; • Lack of secure storing capacity; • Minutes of bid opening are not sent to bidders; • Contacts are entered into after bid validity has expired. • Contract awards are notified only to participating bidders and publicly advertised. 		
Mitigations: <ul style="list-style-type: none"> • With the use of IFAD's SPDs and the Procurement Handbook, the quality of documents should improve and be compliant with IFAD's requirements; • MoA should publish all bidding documents on their website; • The use of IFAD's procurement tools will mitigate many of the risks associated to Procurement Planning and Contract Administration; • It is recommended that adequate and secure archiving space is guaranteed for both bids and securities; 		

Risk Categories and Subcategories	Inherent	Residual
<ul style="list-style-type: none"> • Project should have access to advertising on the Eritrean Government's website; • It is highly recommended that government hold bidders responsible for the performance of contracts and cash in performance bonds/guarantees. 		
Financial Management	High	Substantial
Organization and staffing	Substantial	Moderate
Risk(s): <ul style="list-style-type: none"> • Capacity gaps of finance staff at NPCO level • Weak capacity of finance staff at zoba level • Lack of clarity on IFAD's procedures 		
Mitigations: <ul style="list-style-type: none"> • Full-time, qualified, finance staff assigned on basis of agreed TORs • Finance team composed of full-time financial controller, chief accountant and accounts assistant • Selection of financial controller for IFAD approval • Capacity building at start-up • CIPFA FM training to be provided • Specialised technical assistance, implementation support by IFAD • Agreed training plan implemented from start-up 		
Budgeting	Substantial	Moderate
Risk(s): <ul style="list-style-type: none"> • Delays in AWPB submission and approvals • Weak budgetary control practices • Low budget execution 		
Mitigations: <ul style="list-style-type: none"> • Timeliness of AWPB submission monitored • Adoption of automated budget monitoring and commitment tools • Mandatory quarterly reporting on budget execution 		
Funds flow/disbursement arrangements	High	Substantial
Risk(s): <ul style="list-style-type: none"> • Low disbursements due to NPCO financial reporting capacities • Delays in financial reporting and submission of returns at zoba level; irregular/ delayed bank reconciliations 		
Mitigations: <ul style="list-style-type: none"> • AWPB execution and procurement processes closely monitored by NPCO and IFAD • Quarterly submission of withdrawal applications • Mandatory quarterly interim financial reports • Close monitoring of zoba financial reporting and bank reconciliations by NPCO finance team • Adoption of IFAD's client portal (ICP) 		
Internal controls	High	Substantial
Risk(s): <ul style="list-style-type: none"> • Weak internal controls leading to ineligible expenditure • Inadequate segregation of approvals • Inadequate internal audit mechanisms 		
Mitigations: <ul style="list-style-type: none"> • Internal control framework assessed through TA • Segregation of duties ensured through adequate staff complement (at least 3 full-time finance staff at NPCO) • PIM finalised and adopted at start-up; training workshop on procedures for all NPCO and concerned zoba staff • Budgetary monitoring, management accounting & reporting procedures monitored through interim financial reports 		

Risk Categories and Subcategories	Inherent	Residual
<ul style="list-style-type: none"> External audit reviews of internal controls, Management Letter recommendations Scope of internal audit agreed annually - risk-based program of work; internal audit reports available to IFAD; reporting on follow-up to audit recommendations Internal controls assessed through IFAD supervisions 		
Accounting and financial reporting	High	Substantial
Risk(s): <ul style="list-style-type: none"> Weak financial reporting; delays with data inputs, management and IFAD not provided with timely financial information required for business decisions Inaccurate financial reporting due to manual processes Weak budget monitoring systems leading to budget overruns Procurement of accounting software delayed Failure to report accurately on in-kind contributions 		
Mitigations: <ul style="list-style-type: none"> Training on IFAD's financial reporting requirements Training on international accounting standards Adoption of accounting software at start-up, PIM updated to reflect software work-flows Automated generation of financial reports, including withdrawal applications and SOEs Procurement of accounting software: legal covenant Bidding documents for accounting software prepared prior to start-up; processes launched at signature of financing agreement Cross-support to NPCO by finance staff of ongoing projects Procedure for calculating and recording in-kind contributions to be documented in PIM at start-up 		
External audit	Substantial	Moderate
Risk(s): <ul style="list-style-type: none"> Delays in audit submission Quality of audit work not meeting IFAD's requirements and best practice international standards 		
Mitigations: <ul style="list-style-type: none"> Selection of auditor to be based on quality as well as cost (QCB) IFAD no objection to audit TOR and selection of auditor 		
Environment, Social and Climate Impact	Moderate	Low
Biodiversity conservation	Moderate	Low
Risk(s): There are pressures on biodiversity due to population pressures. There are protected natural reserves.		
Mitigations: There is a high level of inherent agro-biodiversity in production systems across Eritrea and the project intends to build on this for dietary diversity among other reasons Project land use planning will ensure awareness of and avoidance of areas of potential overlapping of project areas with protected areas of their immediate dispersal/buffer areas.		
Resource efficiency and pollution prevention	Low	Low
Risk(s): The traditional production systems of Eritrea are resource optimizing and use minimal external inputs, including few if any inorganic fertilizers, pesticides or herbicides. In any case import costs make this prohibitive for the target group but the project should not exclude for high value crops		

Risk Categories and Subcategories	Inherent	Residual
<p>Mitigations: Project will explore the options of natural integrated pest management Green manuring will be practiced, while being cognizant of potential competing demands for these same materials A ESMF will include materials on banned substances in terms of pesticides and herbicides, which are in any case will controlled by MoA/Regulatory Services</p>		
Cultural heritage	Low	Low
<p>Risk(s): There is little reason to believe that the project areas would be exposed to or put at risk any protected cultural heritage artifacts</p>		
<p>Mitigations: SECAP2020 will be made available to the PMU at both central and zoba levels</p>		
Indigenous Peoples	Low	Low
<p>Risk(s): Eritrea does not recognize the concept of 'indigenous peoples' however there are various ethnic groups.</p>		
<p>Mitigations: The project targeting strategy has a focus on the vulnerable in each project area, which in turn is selected on the basis of multiple and explicit criteria.</p>		
Community health and safety	Substantial	Moderate
<p>Risk(s): There will be water retention structure rehabilitation and/or construction, the exact dimensions of which are still to be determined but are expected to be under IFAD SECAP thresholds</p>		
<p>Mitigations: The project will ensure that technically competent persons (engineers) participate in the identification of sites and that any construction is approved according to government regulations applicable and that the same will be clearly documented. These structures will be inspected upon each supervision by a qualified team member</p>		
Labour and working conditions	Substantial	Moderate
<p>Risk(s): The long standing national requirement of community labour contribution for several weeks a year might represent a risk but a larger risk of triggering IFAD labour related safeguards is the potential of conscript (universal national service) labour being used unremunerated or inadequately remunerated in infrastructure related activities either by contractors and/or as a government contribution</p>		
<p>Mitigations: The project is not expecting to invest heavily in infrastructure development, which significantly reduces exposure to this safeguard risk The government position is that national service is universal and that persons are deployed in a range of jobs throughout the civil service and economy The government has signed the relevant international treaties and regularly exchanges with ILO. IFAD will engage with ILO to potentially field joint technical assistance if relevant to this project Labour risk issues are also detailed in the ESMF</p>		

Risk Categories and Subcategories	Inherent	Residual
Physical and economic resettlement	Low	Low
Risk(s): No activities anticipated to trigger IFADs very strict thresholds for economic or in particular physical resettlement		
Mitigations: n/a		
Greenhouse gas emissions	Low	Low
Risk(s): The nature of the production system leaves no reason to believe that there will significant risks of GHGs apart possibly from small livestock.		
Mitigations: Improved fodder will reduce the already low level of GHGs. No deforestation or additional biomass burning will result from project activities		
Vulnerability of target populations and ecosystems to climate variability and hazards	Moderate	Low
Risk(s): Note: this refers to the risk from the project in terms of inadvertently exacerbating the vulnerability of the population by promoting maladaptive practices.		
Mitigations: A detailed climate risk study will be prepared, which will cover both the risks from the climate to the population and from the project to the population in terms of climate vulnerability		
Stakeholders	Moderate	Low
Stakeholder engagement/coordination	Moderate	Low
Risk(s): Project Steering Committee (PSC) not meeting as planned Harmonization between NPCO and Zoba PCOs – financial management, M&E, implementation		
Mitigations: • Dialogue with GoSE on PSC; • Government has adapted the PSC approach, with the Minister Agriculture holding regular steering meetings with NPCO, complemented by joint field visits of with other Ministers and Zoba Governors • Deployment of participatory tools in AWPB preparation, implementation and monitoring		
Stakeholder grievances	Low	Low
Risk(s): Potential grievances around water infrastructure and diversion of water upstream		
Mitigations: • Undertake stakeholders' feedback sessions. • Government implements a bottom-up approach in the identification of investments, hence there is free and prior consent of the communities • Implementation of IFAD's Framework for Operational Feedback from Stakeholders: Enhancing Transparency, Governance and Accountability		