



# **EASTERN PROVINCE INTEGRATED COASTAL RESOURCES MANAGEMENT PLAN**

## **SUMMARY CONSULTATION DOCUMENT**

**DRAFT VERSION 1**

**PREPARED FOR**

**NECCDEP**

**ANZDEC LIMITED**

**IN ASSOCIATION WITH**

**Resource Development Consultants**

**30<sup>th</sup> JUNE 2009**

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## TABLE OF CONTENTS

	<b>Page</b>
1. EP ICRMP FRAMEWORK.....	3
2. EP ICRMP LOGICAL FRAMEWORK .....	4
3. CORE EPICRMP ENVIRONMENTAL INDICATORS.....	5
4. STOCKTAKE MAPS .....	7
5. TARGETS .....	8
6. TARGETS DELIVERY VERIFICATION.....	9
7. BUDGET .....	10
ANNEX I: CONSTITUENCY REGISTRATION .....	12
ANNEX II: MEETINGS COMPLIANCE CHECKLIST .....	14
ANNEX III: CONSTITUENCY STOCKTAKE .....	17

## 1. EP ICRMP FRAMEWORK

NOS	EP ICRMP: THE FRAMEWORK	
1	<b>FRAMEWORK AREA</b>	
	Coastal Region Divisional Secretaries' Divisions	Coastal region - defined here as the Divisional Secretaries' Divisions (DSD) with a coastal boundary <sup>1</sup> .
2	<b>THE LOGICAL FRAMEWORK APPROACH<sup>2</sup></b>	
	<p>NO PROBLEM &lt;</p> <p style="text-align: center;">↑</p> <p>Goal &lt; Purpose &lt; Results &lt; Outputs &lt; Activities &lt; Means &lt; Costs</p> <p>&lt; PROBLEM</p>	An integrated Programme with vertical logic comprising costs, means, activities, outputs, results, an objective and a goal designed to resolve a problem.
3	<b>INDICATORS FOCUS</b>	
	Title Location (geographic, time) Link (other indicators) Quantity Means of measurement	An indicator comprises the title of the indicator, its attributes, which includes the title and usually where, what, when and how: its location(s) in place and time, linkages to other indicators, quantity(ies), and the means of measurement.
4	<b>PROBLEM IDENTIFICATION</b>	
	<b>Through consultation</b>	As proposed through the constituency registration in Annex I and by following the meetings compliance checklist at Annex II.
	<b>With a resources focus</b>	Based on resource indicators
	<b>To identify problems</b>	As agreed through informed consultation.
	<b>And propose solutions</b>	As agreed through informed consultation.
5	<b>MANAGEMENT RESPONSE</b>	
	<b>Through consultation</b>	As proposed above.
	<b>With a resources focus</b>	Based on resource indicators
	<b>To respond</b>	As agreed through informed consultation.
	<b>And to deliver results</b>	As determined by monitoring delivery of performance targets.

<sup>1</sup> GoSL (2006). Sri Lanka Coastal Zone Management Plan - 2006. Pp. 88. (English), Pp. 58 (Electronic English), Pp. 102 (Sinhala). The Gazette of the Democratic Socialist Republic of Sri Lanka Extraordinary. No. 1,429/11. Tuesday, January 24, 2006. The Authority. Government of Sri Lanka.  
<http://www.coastal.gov.lk/czmp%20english.pdf>

<sup>2</sup> Particip GmbH (2000). Introduction to the Logical Framework Approach (LFA) for GEF-financed projects. Reader. Pp.58 Particip GmbH, German Foundation for International Development.  
<http://www.undp.org/gef/05/monitoring/policies.html>

## 2. EP ICRMP LOGICAL FRAMEWORK

6		GOAL
	Equitable and sustainable development	Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.
7		PURPOSE (Objective)
	To develop the Eastern Province within the carrying capacity of its renewable natural resources.	Carrying capacity is the extent to which something can be used without compromising its capacity for future use. For example a rice farmer who sells all his seed at harvest will have nothing to sow.
8.0		RESULTS
8.1	Consultation	Consultation and consultative action are decentralized to the lowest appropriate level <sup>3</sup> .
8.2	Resources assessed	Resource <b>indicators</b> are monitored to provide early signs of problems.
8.3	Response delivered	Consultation specifies informed and relevant actions to resolve problems.
8.4	Results obtained	The response delivers objective <b>indicator</b> based performance targets.
8.5	Purpose achieved	The extent to which the purpose is achieved

<sup>3</sup> CBD (2009). Ecosystem Approach Principles. CBD. <https://www.cbd.int/ecosystem/principles.shtml>

### 3. CORE EPICRMP ENVIRONMENTAL INDICATORS

1. Each of the 20 proposed core resource indicators has been qualitatively scored on a scale of 0-10 where 0 is none, 1= very poor, 10 = very good, 99 = don't know. More objective scoring will be possible if the EPICRMP activities are implemented. There are currently many gaps that cannot justify even a qualitative scoring

2. Scoring is undertaken for:-

1 State: the current state (condition of the resource)

2 Response: the capacity to address the state of the resource

3 The product of the "state" score multiplied by the "response" score is the prognosis for the future of the resource.

4 The scores are presented in three bands as reflected by three colours to facilitate public communication. The band demarcation is arbitrary. The colours are the same as those in a traffic light and have the same meaning.

5 A score of 0-10 is RED and warns of danger.

6 A score of 11-50 is AMBER and advises precaution.

7 A score of 51-100 is GREEN and signifies that all is well.

8 The stock take should be done at all CCC levels as proposed in Annex III.

<b>9.0 STOCKTAKE</b>				
<b>SUMMARY STOCKTAKE<sup>4</sup> OF CORE ENVIRONMENT INDICATORS EP COASTAL REGION 2009</b>				
	<b>INDICATOR</b> All to be indexed by Location <sup>6</sup>	<b>STOCKTAKE SCORE<sup>5</sup></b>		
		<b>State<sup>7</sup></b>	<b>Response<sup>8</sup></b>	<b>Result<sup>9</sup></b>
<b>09.01</b>	Attitude and opinion (satisfaction)	?	?	?
<b>09.02</b>	Administration effectiveness	2	2	4
<b>09.03</b>	Beach seine CPUE <sup>10</sup>	?	?	?
<b>09.04</b>	Shrimp pond PPUE	?	?	?
<b>09.05</b>	Coastal coconut population <2m MSL <sup>11</sup>	?	?	?
<b>09.06</b>	Coastal population within 2m <sup>12</sup> of MSL	4	4	16
<b>09.07</b>	Coastal resources employment from (%)			
<b>09.08</b>	Coastal resources human protein from (%)	?	?	?
<b>09.09</b>	Coral reef (% LHCC <sup>13</sup> )	4	8	32
<b>09.10</b>	Mangrove (Size structure and area)	5	5	25
<b>09.11</b>	Renewable energy (% use by type)	5	5	25
<b>09.12</b>	Rice Paddy PPUE <sup>14</sup> <2m MSL	?	?	?
<b>09.13</b>	Solid waste (area zoned for landfill)	?	?	?
<b>09.14</b>	Solid waste (% recycled by type)	?	?	?
<b>09.15</b>	Shoreline Change (% area)	9	2	18
<b>09.16</b>	Special sites (% ecosystem protected)	7	3	21
<b>09.17</b>	Species: Red list species	?	?	?
<b>09.18</b>	Water quality: Estuary	3	2	6
<b>09.19</b>	Water reserves (% by type)	?	?	?
<b>09.20</b>	Water treatment (% by type)	?	?	?

<sup>4</sup> Based on constituency stocktake at Annex III or actual performance data.

<sup>5</sup> Scores will become more objective based on objective verification of objective indicators

<sup>6</sup> Where location is defined as latitude, longitude, height/depth, time

<sup>7</sup> State: 0 = none, 1= very poor, 10 = very good, ? = don't know (99 entered in number field in database)

<sup>8</sup> Response: 0 = none, 1= very poor, 10 = very good, ?? = don't know (99 entered in number field in database)

<sup>9</sup> Result = State x Response. Maximum 100. 0-10 = Red (danger), 11-50 = Amber (precaution); 50+ = Green (OK); ? = Don't know (99x99 entered in number field in database)

<sup>10</sup> CPUE = Catch per unit effort.

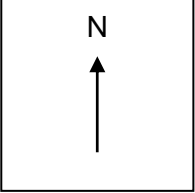
<sup>11</sup> Living less than 2 meters above MSL = Mean Sea Level

<sup>12</sup> Floor on pillars and floor level 2m above MSL

<sup>13</sup> LHCC = Live hard coral cover

<sup>14</sup> PPUE = Production per unit effort.

#### 4. STOCKTAKE MAPS

10.0	CORE ENVIRONMENT INDICATORS EP COASTAL REGION 2009
<p><b>Context map (Eastern Province in Sri Lanka)</b></p>	
<p><b>Table of average values by DSD, District and EP</b></p>	<p><b>Perspective map of Eastern Province highlighting coastal region DSD values as topographic columns by DSD (absolute values standardized to unit area, percentages values to whole area).</b></p>
<p><b>Legend and scale</b></p>	

Source reference for data

## 5. TARGETS

11.0		
TARGETS		
TARGETS FOR CORE ENVIRONMENT INDICATORS EP COASTAL REGION 2009		
	INDICATOR	Target (relative to baseline)
11.01	Attitude and opinion (satisfaction)	Satisfaction score improves.
11.02	Administration effectiveness	Effectiveness score improves. EP IEPA Unit formed 2 Sustainability officers per DSD 1 Sustainability officer per GND Sustainability "watchers" system IEE/EIA EMP delivered Offences tracking improved
11.03	Beach seine CPUE <sup>15</sup>	CPUE maintained
11.04	Shrimp pond PPUE	PPUE maintained.
11.05	Coastal coconut population <2m MSL <sup>16</sup>	Population maintained.
11.06	Coastal population within 2m <sup>17</sup> of MSL	Population reduced.
11.07	Coastal resources employment from (%)	Maintained.
11.08	Coastal resources human protein from (%)	Maintained.
11.09	Coral reef (% LHCC <sup>18</sup> )	Maintained.
11.10	Mangrove (Size structure and area)	Maintained.
11.11	Renewable energy (% use by type)	10 % improved by 2015.
11.12	Rice Paddy PPUE <sup>19</sup> <2m MSL	10% salt tolerant rice
11.13	Solid waste (area zoned for landfill)	500+ ha per District
11.14	Solid waste (% recycled by type)	10% improved by 2015.
11.15	Shoreline Change (% area)	Maintained.
11.16	Special sites (% ecosystem protected)	Increased by 10%
11.17	Species: Red list species	Inventoried.
11.18	Water quality: Estuary	Maintained.
11.19	Water reserves (% by type)	Increased by 10% by 2015
11.20	Water treatment (% by type)	Increased by 10% by 2015

<sup>15</sup> CPUE = Catch per unit effort.

<sup>16</sup> Living less than 2 meters above MSL = Mean Sea Level

<sup>17</sup> Floor on pillars and floor level 2m above MSL

<sup>18</sup> LHCC = Live hard coral cover

<sup>19</sup> PPUE = Production per unit effort.

## 6. TARGETS DELIVERY VERIFICATION

12.0		
VERIFICATION		
MEANS OF VERIFICATION OF TARGETS FOR CORE ENVIRONMENT INDICATORS EP COASTAL REGION 2009		
INDICATOR		MEANS OF VERIFICATION
12.01	Attitude and opinion (satisfaction)	Household survey questionnaire
12.02	Administration effectiveness	Questionnaire (employment) IEE/EIA EMP reports/site visits Offences records
12.03	Beach seine CPUE <sup>20</sup>	Fish landings forms
12.04	Shrimp pond PPUE	Shrimp operator data
12.05	Coastal coconut population <2m MSL <sup>21</sup>	Field survey
12.06	Coastal population within 2m <sup>22</sup> of MSL	Household survey questionnaire
12.07	Coastal resources employment from (%)	Household survey questionnaire
12.08	Coastal resources human protein from (%)	Household survey questionnaire
12.09	Coral reef (% LHCC <sup>23</sup> )	Field survey
12.10	Mangrove (Size structure and area)	Field survey
12.11	Renewable energy (% use by type)	Household/Business/Transport survey.
12.12	Rice Paddy PPUE <sup>24</sup> <2m MSL	Rice Paddy operator data
12.13	Solid waste (area zoned for landfill)	Gazette/IEE/EIA
12.14	Solid waste (% recycled by type)	Field survey
12.15	Shoreline Change (% area)	Field survey
12.16	Special sites (% ecosystem protected)	Gazette and field survey
12.17	Species: Red list species	Field survey
12.18	Water quality: Estuary	Field survey
12.19	Water reserves (% by type)	Field survey
12.20	Water treatment (% by type)	Field survey

<sup>20</sup> CPUE = Catch per unit effort.

<sup>21</sup> Living less than 2 meters above MSL = Mean Sea Level

<sup>22</sup> Floor on pillars and floor level 2m above MSL

<sup>23</sup> LHCC = Live hard coral cover

<sup>24</sup> PPUE = Production per unit effort.

## 7. BUDGET

9. The budget is indicative per year. The budget may reduce in subsequent years. Major capital infrastructure projects are not included. It is suggested that, if Government funds are not available, that the GEF and/or multilateral/bilateral donors are approached to fund relevant elements of the EP ICRMP. NECCDEP may wish to initiate some of these activities within its existing budget.

<b>13.0</b>			
<b>BUDGET</b>			
<b>BUDGET FOR DELIVERING TARGETS</b>			
<b>EP COASTAL REGION 2009</b>			
	<b>INDICATOR</b>	<b>ACTIVITY</b>	<b>Rp/YEAR</b>
<b>13.01</b>	Attitude and opinion (satisfaction)	Questionnaire	1,000,000
<b>13.02</b>	Administration effectiveness	Questionnaire	500,000
		EP IEPA Unit	5,000,000
		DSD Officers	500,000
		GND Officers	50,000
		"Watchers"	500,000
		IEE/EIA EMP	500,000
		Offences tracking	500,000
<b>13.03</b>	Beach seine CPUE <sup>25</sup>	CPUE survey	1,000,000
<b>13.04</b>	Shrimp pond PPUE	PPUE survey	500,000
<b>13.05</b>	Coastal coconut population <2m MSL <sup>26</sup>	Population survey	1,000,000
<b>13.06</b>	Coastal population within 2m <sup>27</sup> of MSL	Household survey	1,000,000
<b>13.07</b>	Coastal resources employment from (%)	Employment survey	500,000
<b>13.08</b>	Coastal resources human protein from (%)	13.06	0
<b>13.09</b>	Coral reef (% LHCC <sup>28</sup> )	Field survey	1,000,000
<b>13.10</b>	Mangrove (Size structure and area)	Field survey	1,000,000
<b>13.11</b>	Renewable energy (% use by type)	Field survey (s).	2,000,000
<b>13.12</b>	Rice Paddy PPUE <sup>29</sup> <2m MSL	Paddy operator	500,000
<b>13.13</b>	Solid waste (area zoned for landfill)	Gazette/IEE/EIA	100,000
<b>13.14</b>	Solid waste (% recycled by type)	Field survey	1,000,000
<b>13.15</b>	Shoreline Change (% area)	Field survey	2,000,000

continued.....

<sup>25</sup> CPUE = Catch per unit effort.

<sup>26</sup> Living less than 2 meters above MSL = Mean Sea Level

<sup>27</sup> Floor on pillars and floor level 2m above MSL

<sup>28</sup> LHCC = Live hard coral cover

<sup>29</sup> PPUE = Production per unit effort.

<b>13.0 cont.</b>			
<b>BUDGET FOR DELIVERING TARGETS EP COASTAL REGION 2009</b>			
	<b>INDICATOR</b>	<b>ACTIVITY</b>	<b>Rp/year</b>
<b>13.16</b>	Special sites (% ecosystem protected)	Gazette, field survey	1,000,000
<b>1.0</b>	SAM Plans		
	1.1 Ampara Biodiversity SAM	Demarcate, gazette	5,000,000
	1.2 Batticaloa SAM	Demarcate, gazette	5,000,000
	1.3 Trincomalee SAM	Demarcate, gazette	5,000,000
<b>1.0</b>	Beach management plans (5 plans)	-	-
	1.1 Arugambay	Demarcate, gazette	1,000,000
	1.2 Oluvil lighthouse	Demarcate, gazette	1,000,000
	1.3 Nilaveli	Demarcate, gazette	1,000,000
	1.4 To be specified	Demarcate, gazette	1,000,000
	1.5 To be specified	Demarcate, gazette	1,000,000
<b>2.0</b>	Kokilai Sanctuary demarcate and extend to include coastal sediment cell.	Demarcate, gazette	2,000,000
<b>3.0</b>	Seruwilla Allai demarcate and extend to include coastal sediment cell	Demarcate, gazette	2,000,000
<b>4.0</b>	Genge mangrove (see GreenTech Transect 20)	Demarcate, gazette	2,000,000
<b>5.0</b>	Palameemadu Thona 07.76630N, 081.66634E	Demarcate, gazette	2,000,000
<b>6.0</b>	Little Sober/Greater Sober extend to include submarine (10m) water depth.	Demarcate, gazette	2,000,000
<b>7.0</b>	Panama bar mouth, dunes, mangrove and coastal sediment cell 06.76440N, 081.82493E	Demarcate, gazette	2,000,000
<b>8.0</b>	Panama Hada Oya mangrove (see GreenTech Transect 2)	Demarcate, gazette	2,000,000
<b>9.0</b>	Pottuvil Point bar mouth and lagoon mangrove 06.89812N, 081.84546E.	Demarcate, gazette	2,000,000
<b>10.0</b>	Thambalagam Bay (see Greentech Transect 15)	Demarcate, gazette	2,000,000
<b>11.0</b>	Kuman, Yala East extend to include coastal sediment cell if not already done.	Demarcate, gazette	2,000,000
<b>12.0</b>	Kadumbigala, Panama extend to include coastal sediment cell if not already done	Demarcate, gazette	2,000,000
<b>13.17</b>	Species: Red list species	Field survey	2,000,000
	Turtle	Monitor nesting	1,000,000
<b>13.18</b>	Water quality: Estuary	Field survey	2,000,000
<b>13.19</b>	Water reserves (% by type)	Field survey	1,000,000
<b>13.20</b>	Water treatment (% by type)	Field survey	1,000,000
		<b>Total:</b>	<b>70,150,000</b>



**\*Voting members (V) representing users of coastal renewable resources.**

- (V1) Representatives from all artisanal/subsistence user groups: (V1.1) Farmers; (V1.2) Fisherfolk; (V1.3) Tourism); (V1.4) Other - please specify.
- (V2) Representatives from small businesses: (V2.1) Agriculture; (V2.2) Fisheries/Aquaculture; (V2.3) Manufacture – please specify; (V2.4) Tourism; (V2.5) Other - please specify.
- (V3) Representatives from large businesses: (V3.1) Agriculture; (V3.2) Fisheries/Aquaculture; (V3.3) Manufacture – please specify; (V3.4) Tourism; (V3.5) Other - please specify.
- (V4) Representatives from environmental CBO/NGO directly link with SAM related activities – please specify.
- (V6) Women's Association – please specify
- (V7) Cooperative Association – please specify
- (V8) Special Community/Alternative livelihoods groups using SAM resources: (V8.1) Brick manufacturers; (V8.2) Handicraft makers; (V8.3) other – please specify.
- (V9) Government Executive: Representatives from relevant Government sector with jurisdiction over the SAM area: (V9.1) Agriculture; (V9.2) Attorney General's Office – Central; (V9.3) Attorney General's Office – District; (V9.4) Attorney General's Office – DSD; (V9.5) Attorney General's Office – GND; (V9.6) Attorney General's Office – Province; (V9.7) education – Primary; (V9.8) Education – Secondary; (V9.9) Education – Tertiary; (V9.10) Disaster Management and Human Rights; (V9.11) Enforcement – Coastguard/Navy; (V9.12) Enforcement – Police; (V9.13) Environment and Natural resources – CEA; (V9.14) Environment and Natural Resources – DoF; (V9.15) Environment and Natural Resources – DWC; (V9.16) Environment and Natural Resources – MPPA; (V9.17) Fisheries - CCD; (V9.18) Fisheries – DFRAR; (V9.19) Fisheries – NAQDA; (V9.20) Fisheries – NARA; (V9.21) Health care and nutrition; (V9.22) Disaster management and human rights; (V9.23) Fisheries (excluding CCD); (V9.24) Irrigation and water management; (V9.25) Land and Land development; (V9.26) Nation Building and Estate Infrastructure; (V9.27) Plan Implementation; (V9.28) Plantation Industries; (V9.29) Ports and Aviation; (V9.30) Public Administration – Central; (V9.31) Public Administration (general) – District; (V9.32) Public Administration (general) – DSD; (V9.33) Public Administration (general) - GND; (V9.34) Public Administration (general) - Provincial; (V9.35) Tourism ; (V9.36); Other - please specify.

**\*Non-Voting Observers (O). Political party representatives will have their vote in other fora**

- (O1) Legislature - Government: (O1.1) Chairman of Local Government body: (O1.2) Municipal Council; (O1.3) Urban Council; (O1.4) Praedesh Sabha
- (O2) Legislature - Opposition: (O2.1) Municipal Council; (O2.2) Urban Council; (O2.3) Praedesh Sabha.
- (O3) Media: Representatives of the independent press

## ANNEX II: MEETINGS COMPLIANCE CHECKLIST

<b>NECCDEP</b> <b>EP-ICRMP Constituency Consultative Management Meetings</b> <b>- COMPLIANCE CHECKLIST -</b>				
<b>Constituency /code/:</b>				
<b>Administrative area:</b>				
<b>Meeting Number/Date:</b>				
No	Item	Note	Date	✓
01	Agenda matters received	Constituents may submit an agenda matter for a meeting in writing at least 10 working days before the scheduled meeting. The matter should be submitted as a voting statement with appropriate background documentation to inform a vote. Inclusion of the matter will be determined by the Secretary.		
02	Agenda prepared	Prepared by previous meeting Secretary and include list of voting members, observers and invitees.		
03	Agenda distributed	Should be distributed at least 5 working days before the scheduled meeting.		
04	Chair proposed from CCM voting attendees by vote. (see Clarification: Voting).	Chair facilitates meeting and has casting vote in event of a tied vote.		
05	Chair confirms voting Quorum	If no voting quorum is present a new time/date for a meeting should be set.		
06	Secretary proposed from CCM voting attendees by vote. (see Clarification: Voting).	Secretary takes minutes, distributes agenda and keeps time.		
07	Attendees	List of constituency registered attendees and their signatures.		
08	Apologies	List of constituency registered non-attendees should be taken.		
09	Emergency matters arising. (see Clarification: Voting).	Matter raised and voted for discussion.		
10	Emergency matters vote (see Clarification: Voting).			
11	Approval of previous minutes by vote (see clarification: Voting).			
12	Agenda matter vote (see clarification: Voting).	Proceed Agenda matter by agenda matter		
13	Any other business (see clarification: Voting).			
14	Location, date and time of next meeting.			
15	Closing of meeting by Chair			

**NECCDEP**  
**EP-ICRMP Constituency Co-management Meetings (CCM)**  
**- Clarifications -**

**No.    Voting**

- V.01 **CCM register of members**: Each CCM shall maintain an up to date register (as of the date of notification of the agenda for the next meeting) comprising: (i) date; (ii) name; (iii) user group including whether a voting member or a non-voting observer); (iv) organization; (v) Government/ Non-Governmental status; (vi) Sex; (vii) Associated GND (if any); (viii) Contact details Identity card number, postal address, mobile phone, email); (ix) whether resident in a proposed SAM area; (x) Signature.
- It shall be a condition of participation either as a voting member or a non-voting observer that any person on the register notify the CCM, in writing, of any changes in registration information as soon as possible. Any vote caste based on an incorrect registration may be considered null and void.
- V.02 **Voting Quorum**: A motion to vote can only be raised if a quorum (50%) of the persons registered to vote in the respective CCM meeting are present at the time of voting.
- V.03 **Chair**: The Chair shall only vote with a casting vote in the event of a tie of a quorum of the votes.
- V.04 **Voting statement**: Any matter to be raised to a vote should be presented as a statement that can unambiguously be voted “for”, “against” or “abstain”. The statement “Discussion concerning the boundary of the SAM” is **not** a voting statement. The statement “The boundary of the SAM as presented in Annex A of the Agenda is agreed” **is** a voting statement.
- V.05 **Proposed**: Agenda matter raised as a voting statement. It should be proposed by a voting member of the relevant CCM. S/he should give his/her name and confirm that s/he is a registered voting member of the relevant CCM and have it confirmed that s/he is a voting member of the relevant CCM by the Secretary for that meeting.
- V.06 **Seconded**: Agenda matter is seconded by a registered voting member of the CCM who should give his/her name and confirm that s/he is a registered voting member of the relevant CCM and have it confirmed that s/he is a voting member of the relevant CCM by the Secretary for that meeting.
- V.07 **Argument for**: One person shall present such arguments and supporting documents as may be necessary to put the case. The presentation should last no more than five minutes.
- V.08 **Argument against**: One person shall present such arguments and supporting documents as may be necessary to put the case. The presentation should last no more than five minutes.
- V.09 **Summing up**: The Chair will summarise the arguments for and against and if

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necessary obtain informal consensus concerning any possible revised voting statement. The summary should last no more than five minutes.

V.10 **Vote**: Voting statement proposed for a vote and seconded by voting members of the CCM. Vote shall be by a show of hands by voting members. The vote should be called "For", "Against" and "Abstain". A vote will be passed by a majority of the quorum and the voting statement and the vote shall be recorded by the Secretary.

V.11 **Tie**: In the event of a tied vote the Chair may request a second vote before giving his/her casting vote in the event that the second vote is also a tie.

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### ANNEX III: CONSTITUENCY STOCKTAKE

1 The constituency stocktake can be done at any constituency level. If NECCDEP wishes, the form can be filled at GND CCC, DSD, and CCC level.

2 The form will be filled by the District level CCC at each of the initial EPICRMP meetings and at the Eastern Province level by EP CCC at the Eastern Province level CCC.

3 In each case, the area of assessment will be the relevant administrative area (GND, DSD, District, Eastern Province). The scores will be averaged and compared between administrative levels.

4 The CCC should, for each of the 20 proposed core resource indicators score on a scale of 0-10 where 0 is none, 1= very poor, 10 = very good, 99 = don't know:

1 State: the current state (condition of the resource)

2 Response: the capacity to address the state of the resource

5 The product of the state score multiplied by the response score is the prognosis for the future of the resource. The scores are presented in three bands as reflected by three colours to facilitate public communication. The band demarcation is arbitrary. The colours are the same as those in a traffic light and have the same meaning.

6 A score of 0-10 is RED and warns of danger.

7 A score of 11-50 is AMBER and advises precaution.

8 A score of 51-100 is GREEN and signifies that all is well.

EASTERN PROVINCE INDICATOR STOCKTAKING				1. FORM:	
2. CCM <sup>35</sup>		3. GENERAL LOCATION <sup>36</sup>		4. DATE	
5. SPECIFIC LOCATION <sup>37</sup>					
NOS	LAT/UTM	LONG/UTM	NOS	LAT/UTM	LONG/UTM
5.01			5.02		
5.03			5.04		
5.05			5.06		
5.07			5.08		

<sup>35</sup> Undertake meeting at Annex 1, Complete form at Annex 2.

<sup>36</sup> General stocktaking location (Province, District(s), DSD(s), GND(s), Place name)

<sup>37</sup> Specific stocktaking location (Latitude and longitude in degrees.decimal degrees). Continue on separate sheet using same form/date code for multiple points.

6	INDICATOR All to be indexed by Location <sup>39</sup>	STOCKTAKE SCORE <sup>38</sup>		
		State <sup>40</sup>	Response <sup>41</sup>	Result <sup>42</sup>
6.01	Attitude and opinion (satisfaction)			
6.02	Administration effectiveness			
6.03	Beach seine CPUE <sup>43</sup>			
6.04	Shrimp pond PPUE			
6.05	Coastal coconut population <2m MSL <sup>44</sup>			
6.06	Coastal population within 2m <sup>45</sup> of MSL			
6.07	Coastal resources employment from (%)			
6.08	Coastal resources human protein from (%)			
6.09	Coral reef (% LHCC <sup>46</sup> )			
6.10	Mangrove (Size structure and area)			
6.11	Renewable energy (% use by type)			
6.12	Rice Paddy PPUE <sup>47</sup> <2m MSL			
6.13	Solid waste (area zoned for landfill)			
6.14	Solid waste (% recycled by type)			
6.15	Shoreline Change (% area)			
6.16	Special sites (% ecosystem protected)			
6.17	Species: Red list species			
6.18	Water quality: Estuary			
6.19	Water reserves (% by type)			
6.20	Water treatment (% by type)			

<sup>38</sup> Scores will become more objective based on objective verification of objective indicators

<sup>39</sup> Where location is defined as latitude, longitude, height/depth, time

<sup>40</sup> 0 = none, 1= very poor, 10 = very good, ? = don't know (99 entered in number field in database)

<sup>41</sup> 0 = none, 1= very poor, 10 = very good, ? = don't know (99 entered in number field in database)

<sup>42</sup> Result = State x Response. Maximum 100. 0-10 = Red, 11-50 = Amber; 50+ = Green; ? = Don't know (99x99 entered in number field in database)

<sup>43</sup> CPUE = Catch per unit effort.

<sup>44</sup> Living less than 2 meters above MSL = Mean Sea Level

<sup>45</sup> Floor on pillars and floor level 2m above MSL

<sup>46</sup> LHCC = Live hard coral cover

<sup>47</sup> PPUE = Production per unit effort.