

Environmental and Social Monitoring Report

January - June, 2015

Kiribati: South Tarawa Sanitation Improvement Sector Project

Prepared by Ministry of Public Works and Utilities, Government of Kiribati for the Asian Development Bank

This environmental and social monitoring report is a document of the borrower. The views expressed herein do not necessarily represent those of ADB's Board of Directors, Management, or staff, and may be preliminary in nature.

In preparing any country program or strategy, financing any project, or by making any designation of or reference to a particular territory or geographic area in this document, the Asian Development Bank does not intend to make any judgments as to the legal or other status of any territory or area.



Government of Kiribati
Ministry of Public Works & Utilities



Semi Annual Safeguards Monitoring Report
Period: January to June 2015



*Grant-0263 KIR: South Tarawa Sanitation Improvement Sector
Project
G1 Project Management and Implementation, Community
Engagement and Capacity Development Activities*

SMEC International
in Association with Brisbane City Enterprises, SKM and ThEcoCare
September 2015

Report Name:	South Tarawa Sanitation Improvement Sector Project – Semi Annual Safeguards Monitoring Report January to June 2015
Project Number:	5119003
Report for:	Ministry of Public Works and Utilities (Asian Development Bank and AusAID)

PREPARATION, REVIEW AND AUTHORISATION

Revision #	Date	Prepared by	Reviewed by	Approved for Issue by
1	02 September 2015	Andrew Connell	Iannang Teaioro	
2				
3				

ISSUE REGISTER

Distribution List	Date Issued	Number of Copies
Client:		1x Soft Copy 1 x Hard Copy to follow
SMEC staff:		1x softcopy
Office Library (SMEC office location):		1x softcopy
SMEC Project File:		1x softcopy

SMEC COMPANY DETAILS

SMEC International Pty Ltd
20 Berry Street Level 5, North Sydney, NSW 2060
T +61 2 9925 5571 F +61 2 9925 5566 M 61411 054 901
Email: SMEC Project Manager – Zaglul Khandkar Zaglul.Khandkar@smec.com

www.smec.com

The information within this document is and shall remain the property of SMEC. The document and its contents may only be used for the purpose of assessing and engagement of our services

Contents

Executive Summary	2
1 Introduction	3
1.1 Report Purpose and Rationale.....	3
1.2 The Project	3
1.2.1 Part A: Sanitation and Hygiene Practices	3
1.2.2 2) Part B: Collection, Treatment and Disposal of Wastewater	3
1.2.3 3) Part C: Capacity Development of MPWU and PUB	3
1.2.4 4) Part D: Sanitation Maintenance Fund.....	3
1.2.5 5) Part E: Project Management and Implementation	3
1.3 The Safeguards Monitoring Team	4
1.4 Project Status	4
1.4.1 ICB 01	4
1.4.2 ICB 02	5
2 Monitoring Activities	6
2.1 ICB 01	6
2.1.1 Environmental Safeguards	6
2.1.2 Environmental Safeguard Mitigation and Monitoring Tasks (ICB 01)	7
2.1.3 Other Environmental Safeguard Actions Taken	10
2.1.4 Social Safeguards	13
2.2 ICB 02	15
2.2.1 Environmental Safeguards	15
2.2.2 Social Safeguards	15
3 Conclusion	16
3.1 ICB 01	16
3.2 ICB 2	16
Appendix 1 EMP Half-day Workshop	17
Appendix 2 Environmental License Application, BEIA Status.....	10
Appendix 3 EMP Compliance Monitoring and Audit	12
Appendix 4 – PS Landowners Letters of Intent	
Appendix 5 Social Safeguards Visit to Pump Stations One, Five, and Six Bikenibue	

Executive Summary

This is a semi-annual safeguard monitoring report covering the period from January 2015 to and including June 2015. The purpose of this Safeguards Monitoring Report (SMR) is to document the environmental management activities and compliance with the approved EMP for the initial six months of 2015. The report is for the The South Tarawa Sanitation Improvement Sector Project, (STSISP) and reports on activities for the period associated with the project.

The report covers sub project status for the following:

- ICB 01 Rehabilitation of Sewerage and Saltwater Systems Betio, Bairiki and Bikenibeu;
- ICB 02 Upgrading of Ocean Outfalls at Betio, Bairiki and Bikenibeu; and,

ICB01 Safeguard systems are in place. The BEIA and Contractor's EMP are approved and compliance thereof is generally good. The Consultant is conducting monthly monitoring and conducted a compliance audit in May 2015. Two resettlement issues noted in the previous edition of this report are resolved for the purpose of site access – one resettlement issue is unresolved.

ICB02 is in preconstruction phase – there are currently no monitoring activities. A benthic study and specific outfall options were developed in the reporting period. Approval of a “basic” status for the BEIA has been approved and the resultant BEIA has been issued to MPWU for review and comment (August 2015) and will be considered further detail in the subsequent SMR. Approval of the Environmental License is pending.

1 Introduction

1.1 Report Purpose and Rationale

This is a semi-annual safeguard monitoring report covering the period from January 2015 to and including June 2015. The purpose of this Safeguards Monitoring Report (SMR) is to document the environmental management activities and compliance with the approved Environmental Management Plan (EMP) and the Resettlement Action Plan (RAP) for the initial six months of 2015.

This report is prepared in accordance with the environmental and resettlement monitoring program as defined by ADB. In line with targets defined in the approved Plans, this report will emphasize: (i) progress made in implementing the EMP and RAP, mitigation measures, and monitoring actions and presents a record of the level of compliance with safeguard measures and any corrective actions taken.

1.2 The Project

The South Tarawa Sanitation Improvement Sector Project, (STSISP) was developed initially through an ADB Project Preparatory Technical Assistance (PPTA) contract with the consultant Fraser Thomas. Using the PPTA's information as a base, the STSISP loan project was developed. In June 2012, SMEC won the contract with MPWU to undertake Project Management and Implementation, Community Engagement and Capacity Development Activities associated with the project. While all parts of the work relate to safeguards the focus of this report is aspects of the project with field activities.

The scope of the Project comprises of five parts:

- Part A: Sanitation and Hygiene Practices:
- Part B: Collection Treatment and Disposal of Wastewater:
- Part C: Capacity Development of MPWU and PUB
- Part D: Sanitation Maintenance Fund
- Part E: Project Management and Implementation

1.2.1 Part A: Sanitation and Hygiene Practices

Design and implementation of: (a) a community awareness, education and participation program to enhance the understanding of the close links among health, hygiene, water use and sanitation practices; and (b) a media campaign to disseminate essential information relating to sanitation and hygiene practices.

1.2.2 2) Part B: Collection, Treatment and Disposal of Wastewater

- a) Rehabilitation of the existing sewerage systems in Bairiki, Betio and Bikenibeu, including procurement of sludge digester for septic tank effluent treatment, sewerage and septic tank cleaning equipment;
- b) Upgrading of works on 3 sewerage outfalls;
- c) Testing and installation of on-site sanitation equipment in 30 households
- d) Selection and implementation of other Subprojects outlined in Kiribati's Water Supply and Sanitation Roadmap and Investment Plan 2010-2030.

1.2.3 3) Part C: Capacity Development of MPWU and PUB

Design and implementation of an administrative and technical capacity development program within MPWU and the Public Utilities Board (PUB) to plan and manage water and sanitation services.

1.2.4 4) Part D: Sanitation Maintenance Fund

Establishment of a sanitation maintenance fund within the MPWU for the maintenance of sanitation and sewerage infrastructure in South Tarawa.

1.2.5 5) Part E: Project Management and Implementation

Via a competitive bidding process, SMEC Int'l. was awarded the supervision/management, contract to oversee the implement of the project. A second and parallel task was to help establish and support the Project Management Unit within MPWU with direct responsibility to implement the work, under SMEC's guidance.

The project is funded by the Australian Government, the Asian Development Bank, and the Government of Kiribati, through different financial mechanisms. The Implementing agency is MPWU, and the Executing Agency is MFED.

1.3 The Safeguards Monitoring Team

In the submission by SMEC, international environmental and social safeguards specialists were named and assigned the task of implementing environmental and social safeguard requirements of the project. They were to be assisted by national counterparts. This system has been in place since early 2013 and at present the environmental safeguards work is led by Mr. Geza Teleki, Environment Specialist (international) and Mr. Iannang Teaioro Safeguards Officer (National). The Social Monitoring is being led by Mr. Madhusudan Hanumappa Resettlement Specialist (international) with the national safeguards officer. To date the majority of field time has been provided by Mr. Teaioro.

1.4 Project Status

There are two main sub projects that are foreseen to have social or environmental impacts as follows:

- ICB 01 Rehabilitation of Sewerage and Saltwater Systems Betio, Bairiki and Bikenibeu;
- ICB 02 Upgrading of Ocean Outfalls at Betio, Bairiki and Bikenibeu.

1.4.1 ICB 01

The Bids for ICB 01 were opened in January 2014, following a Bid Evaluation process one Bidder was identified to continue negotiations with MPWU. This was CCB Envico Pty Ltd from Australia. Negotiations occurred in Early June 2014. In order to secure approval to enter into a contract with CCB Envico several requirements were needed to be met including being awarded an Environmental License from MELAD and updating the Resettlement Action Plan (RAP). The Environmental License ELA 143 / 12 for the works associated with ICB 01 was issued to MPWU by MELAD, on 15 August 2014. A contract for the ICB 01 Rehabilitation of Sewerage and Saltwater Systems Betio, Bairiki and Bikenibeu was signed between CCB Envico Pty Ltd and MPWU was signed on 31 August 2014.

ICB 01 involves the rehabilitation of the existing sewerage system in Betio, Bairiki and Bikenibeu - construction work commenced in earnest in the Q1 of 2015. The works will include rehabilitation of: the salt water system, manholes, sewerage, pump stations, electrical/controls equipment, saltwater towers, and saltwater intakes. The system will generally adopt saltwater to flush the system – fresh/brackish water may be used in some areas. Saltwater pipeline cleaning, jetting, and restoration in Betio is nearing completion – cleaning, inspection and repair of the sewer system will follow. One saltwater tank (Betio) has been refurbished with two others slated for replacement. Work on pumping facilities will commence in parallel with ongoing reticulation upgrades. ICB01 activities as they relate to safeguards is the main focus of this report.

Jetting using fresh water and video inspection of the saltwater mains commenced in Q2 2015. Considerable blockages were encountered which reduced programed progress. The Saltwater tower at Betio had access scaffolding erected around it and the tower's members were sand-blasted and recoated with corrosion resistant epoxy. The saltwater tower at Bikenibeu is dilapidated and will be demolished - the Bairiki tower has been previously demolished; both will be replaced.

There are several Bikenibeu pump station sites with unsettled or partially unsettled land issues. Owners of PS6 and PS1 sites have ongoing negotiations with the GoK related to the division of the agreed on compensation between multiple parties and land ownership. PS6 & PS 1 (Bikenibeu) Owners have agreed to a "letter of understanding" (OAG). Ownership of PS 1 is under a court (Lands) case. Despite this, the P1 and P6 sites have been approved for construction.

The Contractor CCB Envico effectively commenced works in January 2015. The Construction Phase of the Sub project is progressing. A contractors Environmental Management Plan (EMP) was presented for Review and commented upon by the Engineer. The Initial 3 month of the construction phase effectively was an investigation phase assessing the condition and numbers of the salt water and sewerage assets in the townships of Betio, Bairiki and Bikenibeu. Field

activity in this period was minimally intrusive and presented a minimum of risk related to safeguards. The Consultant held a ½ day workshop with CCB in January 2015 to review implementation of the EMP (Appendix 1)

1.4.2 ICB 02

ICB 02 is the rehabilitation of three Ocean Outfalls at Betio, Bairiki and Bikenibeu. Currently there is no field work underway on ICB 02. Environmental and social safeguards are being established ahead of field activities.

The original design for the Ocean Outfall sub-project, as developed by the PPTA, was based on a horizontal Directional Drilling Method (HDD). However HDD was technically difficult and very expensive – the original ICB02 tender resulted in the bids being over the estimated value of US\$4 m. The Bid Evaluation Report, recommended that the bid for ICB 02 be cancelled was submitted the MPWU in June 2014. Following this, Variation Order (VO 5) was submitted and accepted in Q4 2014 for the investigation and design for the ICB 02 upgrading of ocean outfalls using over the reef pipe alignments. A no Objection to VO 05 was received 16th October 2014. The BEIA of April 2014 was submitted to ECD, but eventually only covered the saltwater and sewer works and the anaerobic digesters – outfalls were specifically excluded.

Preliminary work commenced on planning and preparation of a TOR and selection of a Diving Investigation contractor, aimed to commence January 2015. Investigation by divers Fellenius & Hess Marine, addressing the alignment to be considered for an over-the reef placement of outfalls was carried out in January 2015 and a report prepared and submitted to MPWU 19 March 2015, “Inventory 2015-03-18 Final KIR South Tarawa Fellenius Hess Outfall Marine Survey ” which covered the investigation into the proposed routes, environmental assessment, baseline survey, marine health assessment, and a benthic survey. Two reports covering reef environmental issues, pipe alignment, and design considerations; have been issued in the reporting period. The EIA status of “B” (for basic) was approved for use on the BEIA in June 2015 and the application for an environmental license is filed (Appendix 2).

2 Monitoring Activities

2.1 ICB 01

2.1.1 Environmental Safeguards

The original Environmental Assessment (EA) was intended to cover all works under ICB01 and 02. The EA for sewer system and sewage outfall rehabilitation subprojects was originally completed in 2011 as an ADB Initial Environmental Examination (IEE). That IEE was approved in 2012 by ADB and the Kiribati's Ministry of Public Works and the Ministry of Finance. However, the Environmental Conservation Division (ECD) of the Ministry of Environment, Agriculture and Land Development (MELAD), which is responsible for all environmental approvals, was not included in the review or approval process.

On learning this, the ADB indicated that ECD needed to provide an approval before the work could proceed. A revised BEIA was submitted April 2014, the review was however put on hold by ECD upon learning that the methodology to be used for constructing the outfalls would likely change significantly. It is a requirement under the Environment Act that all activities and methodologies are fully addressed in the BEIA. ECD advised that BEIA submitted be split and for the sewer system and anaerobic digester component be separated from the sewage outfall works that that the two components be submitted as separate EIAs. A revised BEIA addressing the ICB 01 was submitted to MELAD on 30 May 2014. On 20 June MELAD informed MPWU that the BEIA submitted for the ICB 01 was found to be Satisfactory and MPWU was informed of requirements for final public disclosure as well as an approval of the BEIA.

The Environmental License ELA 143 / 12 for the works associated with ICB 01 was issued to MPWU by MELAD, on 15 August 2014. On 15 December 2014 MPWU communicated the Notice to Commence the Works to CCB Envico which coincided with the access to the Site.

The guideline on mitigation and monitoring for ICB 01 is the BEIA's Environmental Management Plan. It defines mitigation and monitoring actions to be implemented by the proponent during the three stages of the subproject, namely 1) preconstruction, 2) construction and 3) operations. ICB 01 is now in construction phase. The Consultant has been monitoring site work and the Contractor's activities and documentation since the beginning of intrusive field work – a compliance audit was conducted in May. Generally safeguard concerns have been minor – some inadequate PPE, improper fuel storage, and poor marking of excavations have been noted and brought to the Contractor's attention. Monitoring, mitigation, and corrective actions are as detailed in Appendix 3. Highlights are summarized below.

2.1.2 Environmental Safeguard Mitigation and Monitoring Tasks (ICB 01)

From Table 1. Environmental Management Plan: Environment Monitoring Table (EMoT) of the BEIA for ICB 01: CSE =Construction Supervising Engineer



= fully compliant




= Not applicable at this time







= marginally compliant



= non-compliant

Environmental Issue	Monitoring Details	Timing	Executing Unit	Reporting Responsibility	Update July 2014 to December 2014	Comment
1. Construction Period						
1.1 Updated EMP and BEIA not provided to contractor	1.1 Confirm with all stakeholders that BEIA documentation has been received on later than 1 month before contractor mobilization	After the contractor has been selected but before mobilization	CSE	CSE	Complete	The Contractor has submitted an EMP in conformance with the BEIA. The EMP was approved in February 2015 

Environmental Issue	Monitoring Details	Timing	Executing Unit	Reporting Responsibility	Update July 2014 to December 2014	Comment
1.2 Resettlement /Loss or damage to property	1.2 Ensure that the scope of work is confined to what has been identified and necessary compensation mechanism are in place	Prior to commencement of work	CSE	CSE	Incomplete	<p>Pump Station one, Five and Six Bikenibeu are not in Government Leased Land all other are. The GOK has agreed upon an amount for compensation for the owners of the pump stations being \$10,000 for PS 6 and \$10,150 for PS1. (Bikenibeu)</p> <p>PS 6: A letter of intention to accept the compensation and distribute between the owning parties was signed on 28 May 2014. The sum has been distributed to the land owners of PS 6 by the Lands department of MELAD.</p> <p>PS 1: on 26 July all three parties claiming ownership to the land associated with PS 1 had signed a letter of intent prepared by OAG and administered by MELAD Lands. Ownership of PS 1 is under dispute and is currently a subject of the lands court. Three parties lay claim to the PS 1. Despite the outstanding legal issues site work can commence at PS1 and PS6</p> <p>June 2014 the NIDSC informed that PS 5 is to be relocated on Government Leased Land however the land is currently the site of a residence. The Consultant has issued a recommendation to vacate the current PS5 site and are awaiting approval from GoK. The land owner at the present PS5 site has indicated that no compensation is expected if the PS is removed from his property.</p> 

Environmental Issue	Monitoring Details	Timing	Executing Unit	Reporting Responsibility	Update July 2014 to December 2014	Comment
1.3 Safety hazards to workers and local people, and effects of temporary worker populations in the area	1.3 Obtain written confirmation that Occupational Health and Safety measures are included in contract documentation and contractor has signed off.	Prior to commencement of work	CSE	CSE	Ongoing	The Contractor's staff are now generally in compliance with PPE standards. There are ongoing complaints that excavations are not properly marked/delineated although the Contractor is making improvements in this areas. 
1.4 Potential risks due to public not well informed on the grievance mechanism and how it is operated	1.4 File meeting minutes of public consultation for submission to ADB in semi-annual monitoring report	Prior to commencement of work	CSE	CSE	Complete	In addition to Public Notifications listed in the previous edition of this report. Public consultations specifically addressing the Grievance Redress process were held in January 2015. 
1.5 Failure to brief and train MPWU and Contractor(s) in EMP implementation	1.5 File a written record of the training session provided by CSE for inclusion in the semi-annual report to ADB	January 2015	CSE	CSE	Complete	A half day training workshop with the Contractor was held in February 2015 on the topic of EMP Implementation. 

2.1.3 Other Environmental Safeguard Actions Taken

The implementation of environmental safeguards included inserting environmental clauses in bid documents. The following documents pertinent to ongoing safeguard issues have been issued to the Contractor:

- Volume 1 (of the ICB01 Contract Documents) , Part 2, Section 3 Particulars of Contract, Part B Specific Provisions 4.18 Protection of the Environment
- Volume 1, Part 2, Section 3 Particulars of Contract Part B Additional Clauses, 4.25 Safeguards
- Volume 1, Part 2, Section 5 Employers' Requirements. Technical Specification Division One General Specification, Section 1.4 General Requirements and Provisions
- 9 Possession of the site requires under part b, Environmental Management Plan
- 32 INCIDENT Management including Environment
- 34. Environmental
- PART 2: Supplementary Information Regarding Works to be procured
 - Personnel Requirements, Item 6 provision of an Environmental Safeguard Officer
- Part 3
 - Environmental Management Plan. With reference to the EMP and the BEIA

Contract Clause	Specifics as Defined in Contract
Volume 1, Part 2, Section 3 Particulars of Contract, Part B Specific Provisions 4.18 Protection of the Environment	<p>Insert following paragraphs at the end of Sub-Clause 4.18.</p> <p>The Contractor shall comply with all applicable national, provincial, and local environmental laws and regulations.</p> <p>The Contractor shall (a) establish an operational system for managing environmental impacts, (b) carry out all of the monitoring and mitigation measures set forth in the Environmental Management Plan ("EMP") and (c) allocate the budget required to ensure that such measures are carried out.</p> <p>The Contractor shall execute the contract in accordance with the Environment Management Plan ("EMP"), and Initial Environmental Examination ("IEE") prepared for the project and ADB's Safeguard Policy Statement.</p>
Volume 1, Part 2, Section 3 Particulars of Contract Part B Additional Clauses, 4.25 Safeguards	<p>The Contractor shall:</p> <ol style="list-style-type: none"> 1. Comply with the measures relevant to the contractor set forth in the Initial Environmental Examination (IEE), the Environment Management Plan (EMP), and the Resettlement Plan (RP) (to the extent they concern impacts on affected people during construction), all prepared for the project, and any corrective or preventative actions set forth in a Safeguards Monitoring Report; make available a budget for all such environmental and social measures; 2. Provide the Borrower with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP and the RP; 3. Adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and

	4. reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.
Volume 1, Part 2, Section 5 Employers' Requirements. Technical Specification Division One General Specification, Section 1.4 General Requirements and Provisions	
Clause 9 Possession of the site requires under part b, Environmental Management Plan	<p>POSSESSION OF THE SITE Site is available from Date of Letter of Acceptance. However, prior to occupying or carrying out any site activities, the Contractor is required to submit to the Engineer and obtain relevant approvals for the following:</p> <p>Quality Assurance Plan Environmental Management Plan Project Safety Plan addressing OHS&R requirements Work Method Statements Traffic Management Control Plan Incident Management Plan Detailed Construction Program (if not already submitted according to Clause 8.3 GCC)</p>
Clause 32 INCIDENT Management including Environment	<p>INCIDENT MANAGEMENT Before commencing any work under the Contract, the Contractor shall provide to the Engineer, and obtain his approval of, an Incident Management Plan which shall deal with issues including:</p> <p>A clear statement of accountabilities Identification and analysis of the risks Prevention of incidents Preparedness for incidents Declaration of incidents Early notification of incidents response to and recovery from incidents</p> <p>The Incident Management Plan shall contain current contact directories including the names and procedures for 24 hour contact with persons nominated by the Contractor to prevent, prepare for, respond to and recover from incidents. The Contractor shall advise the Engineer immediately of any changes in the names of persons so nominated.</p> <p>"Incidents" shall include, but are not limited to, those events causing or with the potential to cause a threat to or impact upon:</p> <p>The life, health and safety of any persons The environment Public or private property Interruption to availability and/or quality of services to Employer's customers The Employer's property or systems The Employer's businesses operations including infrastructure, staffing, major suppliers Community infrastructure including electricity, gas, telephone, rail, road, footpaths Prosecution or fines by a regulatory authority Requirements for urgent action under legislation The reputation and/or public image of the Employer</p>

	<p>Customer expectations (service quality, quantity, duration, damage, social inconvenience)</p> <p>“Incidents” shall also include an anticipated imminent incident arising from a flood, fire and/or weather warning, terrorist threat, industrial action, potential electrical failure, etc.</p> <p>The contractor shall manage all incidents in a manner which conforms to the requirements or relevant legislation, and the Incident Management Plan to minimise the adverse effects of each incident.</p> <p>The Contractor’s Site Incident Manager shall notify each such incident to the Engineer immediately it occurs and manage the incident unless the Employer’s Incident Manager takes over the role of Site Incident Manager from the Contractor for that incident. In that event the Contractor shall continue to provide necessary support and assistance to the Employer’s Incident Manager in managing the incident.</p>
<p>34. Environmental</p>	<p>The Contractor shall Comply, and make sure that sub-contractors comply, with environmental protection provisions in the Contract which include the requirements of any Republic of Kiribati statute, by-law, and standards related to environmental protection and the Environmental Management Plan (EMP) applying to this Contract. Removal and installation of gallery and collector pipes at the salt water intakes will require excavation works on the beach foreshore and within the intermediate intertidal zone. The Contractor in each case will be required to minimise the damage to the foreshore and intertidal zone outside the immediate vicinity of the works and work in accordance to recommendations made in the EMP for this Contract.</p> <p>It should be noted that the Basic Environmental Impact Assessment (BEIA) is included as part of the bid documents for this contract. One of the requirements for BEIA is that baseline monitoring should be carried out before award of contract. The baseline monitoring includes community and water quality monitoring. The latter is being carried out under the Project (STSISP) and results will be incorporated in the BEIA component of the bid documents at least 2 weeks before bid opening. This information mainly refers to the sewerage outfall dispersion zone.</p> <p>The bidders are advised to carefully consider the EMP requirements when preparing the bid and pricing the items of work. The prescriptions and clauses detailed in the EMP are integral component of the specifications for relevant item of work unless separate items are included in the Bill of Quantities. Thus separate payments will be not be made in respect of compliance with the EMP. In case the contractor or his sub-contractor fails to implement the EMP recommendations after informing in writing, the Engineer will take whatever actions it is deemed necessary to ensure that the EMP is properly implemented and/or to rectify the damages caused by such negligence. Any cost thus incurred will be recovered from the contractor’s payments.</p> <p>The Contractor shall assist the Engineer to discharge his duties as required in the EMP implementation by (a) maintaining up to date records on actions taken by the contractor with regard to implementation of EMP recommendations (b) timely submission of</p>

	reports, information and data, (c) participating in the meetings conveyed by the Engineer and (d) any other assistance requested by the Engineer.
PART 2:Supplementary Information Regarding Works to be procured Personnel Requirements, Item 6 provision of an Environmental Safeguard Officer	PART 2:SUPPLEMENTARY INFORMATION REGARDING WORKS TO BE PROCURED A. Personnel Requirements 10 B. Equipment Error! Bookmark not defined. A. Personnel Requirements Using Form PER – 1 and PER – 2 in Section 4 (Bidding Forms), the Bidder must demonstrate it has personnel meet the following requirements Environmental Safeguard Officer
Part 3 Environmental Management Plan. With reference to the EMP and the BEIA	PART 3:ENVIRONMENTAL MANAGEMENT PLAN The Contractor will be responsible for the implementation of the EMP as it relates to the construction phase. During construction, the contractor will disclose information to local communities on the location, duration and of construction operations. The contractor will assign a liaison officer at each site, who will be responsible for receiving, and acting on complaints. Consultation meetings will be held every three months at each site to gather feedback and give the opportunity for community members to air any concerns that need to be addressed during construction. Please refer to Basic Environmental Impact Assessment (BEIA) for further details

2.1.4 Social Safeguards

The Resettlement Action Plan originated from the work carried out the by the PPTA in June 2011. All but three pump stations within ICB01 are located in Government Lease Land. The three pump stations of interest that are all located in Bikenibeu, being Pump Station one, five and six. Pump Station six, is owned by three parties, compensation is under review by the Land Courts. The ownership of Pump Station One is under dispute. PS5 is currently located on private land – the owner has indicated that he would prefer relocation of the infrastructure.

The OAG developed a “letter of intent”, indicating that the parties signing the letter agreeing to acceptance of the compensation amount as determined by the Cabinet, and to distribute the amount fairly amongst themselves. The OAG developed a “letter of intent”, indicating that the parties signing the letter agree to adhere to the terms, being acceptance of the compensation amount, as determined by Cabinet, and to distribute the sum fairly amongst the parties.

The three parties that own pump station 6 agreed to accept the amount offered and distribute it as per the Letter of intent and signed the letter 14 May 2014. All parties (three total) claiming ownership for PS 1 signed the letter of intent on 28 May 2014, 12 June 2014 and 26 July respectively. The PIU carried out associated Socio Economic surveys with members from the three parties owning PS6 and PS1. For the purposes of construction, there are no outstanding issues at PS1 and PS6.

The consultation work conducted to gain construction permission is documented in the RAP - August 2014 and is summarized therein by the statement, “The consent from the land owners for acquisition of land is given in Annexure 3 along with the English translation in Annexure 3a.” The Letters of Intent from Annexure 3 are repeated as Appendix 4 of this Report. An English translation of the I-Kiribati docs is included (subtext) of the MELAD letter of May 2014.

The Consultant has issued a recommendation to the GoK to halt further consideration of the original (and now occupied) site proposed for PS5 in favour of a site adjacent to that of the current pump station. The landowner of the current PS5 site wants the facility moved off his land but would consider compensation if it were to remain. The discussions with the landowner date back to 2011 – this issue must be resolved quickly to prevent delay. Use of a new site will have relocate all infrastructure except for one buried pipe out of the landowner’s property. The proposed site understood to be Government owned. The Consultant is awaiting advice from the GoK on whether the proposed parcel for is acceptable.

The Consultant’s Social Safeguard specialist issued full report on the status of relocation issues relevant to PS 1, 5 and 6 in April 2015 titled, “Social Safeguards Visit to Pump Stations One, Five, and Six Bikenibue (April 2015)” which is included as Appendix 5. The meeting notes recorded at that time note the landowner at PS5 has no objection to moving the PS

from his land. The owner has indicated in previous discussions that he does not require compensation if the facilities are relocated.

2.2 ICB 02

2.2.1 Environmental Safeguards

Since ICB02 is currently in predesign there aren't any field activities that require monitoring. However some background on the project is provided to understand the issues related to the work and discussion of pertinent documentation are presented herein in support of future monitoring activities.

The proposal paper/report, "Rehabilitation and Upgrading of Ocean Outfalls at Betio, Bairiki and Bikenibeu" issued in March 2015 offered three outfall rehabilitation options:

- Replace all existing the pipe at each outfall to a new diffuser with 300/225 PE 100 pipe
- Replace the Betio pipe and diffuser entirely and fix a matching diameter PE section to diffusers at Bairiki and Bikenibeu
- Replace the Betio pipe and diffuser entirely and a larger diameter PE section to diffuser on Bairiki and Bikenibeu

The report was submitted as a draft 20/March 2015 and final 3 April 2015. The MPWU presented a response "150428 SMEC ICB02 Detailed Design" on the 30 April 2015 indicating that complete replacement (1st bullet Point) was the GoK preferred option.

Design of an over the reef outfall is nearing completion. The intent is to use the same trench alignments as previous work in the intertidal reef and to use a modified over the reef design in deeper waters up to the new diffusers.

Initial design and preparation of the Environmental Impact Assessment commenced in May / June 2015. On 22 May 2015, an application for an Environmental Licence (Appendix 2) was prepared and submitted to MELAD together with a document, "STSISP ICB 02 Over the Reef Ocean Outfall Environmental License 150521 application to ECD" that detailed and summarised the project and requested a classification for the EIA, being either a Basic (B) or Comprehensive (C). Concurrently, the document, "STSISP ICB 02 Over the Reef Outfall Environment Classification ADB 150521" was presented to the ADB. Comments on the report were received from ADB and addressed.

A presentation of the project was presented to MELAD, MPWU, AHC, ADB, on 17 June 2015. MELAD presented a classification finding of a requirement for a BEIA (Basic) on that day. The requirements for the preparation of the BEIA were tabled and documented by J Kent.

At present, the BEIA has been circulated for comment to MPWU (August 2015).

2.2.2 Social Safeguards

Developing safeguards for the ICB 02 Over the reef Ocean Outfall sub project, will depend on the configuration of the design and the physical interventions that will be proposed. Based on this the social issues will be identified and addressed along with mitigation measures accordingly

3 Conclusion

3.1 ICB 01

- Deficiencies note in the preconstruction period have been addressed.
- The Consultant and Contractor have their procedures in place and a documentation trail to establish ongoing safeguard monitoring and compliance.
- Resettlement issues for the purpose of construction at PS1 and 6 (Bairiki) are resolved. PS5 land acquisition is still in discussion.

3.2 ICB 2

- There is currently no active monitoring since the works are in preconstruction phase.
- A determination that a “Basic” BEIA status is approved.
- The application for the environmental license has been filed.
- The BEIA has been issued for comment.

Appendix 1 EMP Half-day Workshop



Government of Kiribati
Ministry of Public Works & Utilities



Australian Government

Department of Foreign Affairs and Trade

**Australian
Aid**



Asian Development Bank
FIGHTING POVERTY IN ASIA AND THE PACIFIC



STSISP Half Day Workshop / Training (Environmental Safeguards) Report 19th February 2015



*Grant-0263 KIR: South Tarawa Sanitation Improvement Sector
Project
G1 Project Management and Implementation, Community
Engagement and Capacity Development Activities*

SMEC International
in Association with Brisbane City Enterprises, SKM and ThEcoCare
October 2014

Report Name:	South Tarawa Sanitation Improvement Sector Project – Semi Annual Safeguards Monitoring Report January to June 2014
Project Number:	5119003
Report for:	Post Workshop

PREPARATION, REVIEW AND AUTHORISATION

Revision #	Date	Prepared by	Reviewed by	Approved for Issue by
1	19 th February 2015	G Longman		
3				

ISSUE REGISTER

Distribution List	Date Issued	Number of Copies
Client:		
SMEC staff:		
Office Library (SMEC office location):		
SMEC Project File:		

SMEC COMPANY DETAILS

SMEC International Pty Ltd
20 Berry Street Level 5, North Sydney, NSW 2060
T +61 2 9925 5571 F +61 2 9925 5566 M 61411 054 901
Email: SMEC Project Manager – Zaglul Khandkar Zaglul.Khandkar@smec.com

www.smec.com

The information within this document is and shall remain the property of SMEC. The document and its contents may only be used for the purpose of assessing and engagement of our services

Contents

<u>Abbreviations and Acronyms</u>	Error! Bookmark not defined.
<u>Executive Summary</u>	2
<u>Introduction</u>	3
1.1 <u>Report Purpose and Rationale</u>	3
1.2 <u>The Project</u>	3
<u>Attendance</u>	4
<u>Appendix A Power Point Presentation</u>	Error! Bookmark not defined.
<u>Appendix B Attendance list</u>	Error! Bookmark not defined.
<u>Appendix C Letter of Invitation</u>	Error! Bookmark not defined.

Executive Summary

The Contractor, CCB Envico has, to date, been engaged in a series of preliminary investigation work associated with the ICB 01, Rehabilitation of the existing sewerage systems in Bairiki, Betio and Bikenibeu contract of the STSISP Project.

As detailed in the submitted construction program some construction activities are scheduled to occur.

It is appropriate that the requirements of the BEIA table 2. Environmental Management Plan: Environment Monitoring Table (EMoT) of the BEIA for ICB 01 are implemented

Under Table 1 item 1.5, the identified Environmental risk is *“Failure to brief and train MPWU and Contractor(s) in EMP implementation”*. The mitigating measure was *“CE, will be responsible preparing and delivering a ½ day workshop”* and the monitoring action is to *“File a written record of the training session provided by CSE for inclusion in the semi-annual report to ADB”*

This report summarises the workshop held at the SMEC offices, Bairiki, 19 February 2015 which addressed Item 1.5

The content/ subject covered included information on and training in the following:

- Overview of BEIA
- Environmental Management Plan
- Responsibilities under EMP
- Environment License:
- Grievance Redress Mechanism
- Closing Remarks

Attendance

Name	Organization	Gender	Notes
------	--------------	--------	-------

Cussack A	CCB Envico	M		
Newton B	CCB Envico	M		
O'Grady R	MPWU	M		
Tamakei T	MPWU		F	
Clarke R	MPWU		F	
Taueno T	PUB	M		
Ruayu T	PUB	M		
Romano Q	SMEC	M		
Metutera T	SMEC	M		
Longman G	SMEC	M		
Teaioro I	SMEC			Presenter
		8/10	2/10	

Introduction

Report Purpose and Rationale

For the ICB 01 sub project, identified in the BEIA Table 1, item 1.5, the identified environmental risk is “Failure to brief and train MPWU and Contractor(s) in EMP implementation”. The mitigating measure was “CE, will be responsible preparing and delivering a ½ day workshop” and the monitoring action is to “File a written record of the training session provided by CSE for inclusion in the semi-annual report to ADB.” This report summarises the workshop held at the SMEC offices, Bairiki, 19 February 2015 and acts as the monitoring action for Item 1.5.

The Project

The South Tarawa Sanitation Improvement Sector Project, (STSISP) project scope Project comprises of five parts:

Part A: Sanitation and Hygiene Practices:

Part B: Collection Treatment and Disposal of Wastewater:

Part C: Capacity Development of MPWU and PUB

Part D: Sanitation Maintenance Fund

Part E: Project Management and Implementation

This report is associated with part B, Section A, Part B as presented below:

2) Part B: Collection, Treatment and Disposal of Wastewater

- e) Rehabilitation of the existing sewerage systems in Bairiki, Betio and Bikenibeu, including procurement of sludge digester for septic tank effluent treatment, sewerage and septic tank cleaning equipment;

The contractor CCB Envico has, to date, been engaged in a series of preliminary investigation work associated with the ICB 01, Rehabilitation of the existing sewerage systems in Bairiki, Betio and Bikenibeu contract of the STSISP Project.

As detailed in the construction program some construction activities are scheduled to occur hence it is appropriate that the requirements of the BEIA table 3. Environmental Management Plan: Environment Monitoring Table (EMoT) of the BEIA for ICB 01 are implemented

Under Table 1 item 1.5, the identified risk is “Failure to brief and train MPWU and Contractor(s) in EMP implementation”. The mitigating measure was “CE, will be responsible preparing and delivering a ½ day workshop” and the monitoring action is to “File a written record of the training session provided by CSE for inclusion in the semi-annual report to ADB”

This report summarises the workshop held at the SMEC offices, Bairiki, 19 February 2015.

The work shop was presented by Iannang Teaior, National Safeguard Officer.

The attached powerpoint presentation covers the content of the workshop (Appendix A)

The content included information on and training in the following:

- Overview of BEIA: including the legislation, process to apply and the acceptance of the BEIA for the ICB 01
- Environmental Management Plan: Including the pre/actual and post construction activities,
- Responsibilities under EMP: focusing on Pre and Construction activities. Addressing the identified Environmental risks, mitigation and monitoring activities
- Environment License: Definition and obligations under the license and by Whom also the mechanics of the License for Holder (MPWU), and Number ELA 143/12
- Grievance Redress Mechanism: Working and training on the Contractors, and others responsibility and the flow chart associated
- Closing Remarks

Attendance

Eleven people were invited and nine attended. 18% female and 92% male.

The Contractor was represented by the Project Manager and the Site manager

The Employer has three representatives

PUB two representatives

Name	Organiasation	Gender	Comments
Greg Longman	SMEC	M	Invited and attended
Q Romano	SMEC	M	Invited and attended
Roslyn Clarke	MPWU	F	Invited and attended
A Cusack	CCB Contractor	M	Invited and attended
B Newton	CCB Contractor	M	Invited and attended
Tom Ruatu	PUB	M	Invited and attended
Tanueru Tareno	PUB	M	Invited and attended
Taina Temakei	MPWU	F	Invited and attended
R OGrady	MPWU	M	Invited and attended
Itienang	PUB	M	Invited
Kireua B Kaiea	MPWU	M	Invited
Taboia Metutera	SMEC	M	Invited and attended
Iannange Teaioro	SMEC	M	Invited and attended

HALF DAY WORKSHOP – Implementation of Environmental Management Plan for ICB01 STSIS

[illegible]

Date: 19 February 2015

Conclusion

The meeting adequately covered the requirements of the Item 1.5 and this report will be filed with in the ICB 01 file and appended to the Semi Annual Report on Safeguards January to June 2015.

POWERPOINT PRESENTATION

Presented Power Point



1



2



5




6



Overview of Basic Environmental Impact Assessment

- Comply with Government of Kiribati Environmental Act 1999 (Amended 2007), and according to the Environmental Assessment Regulation 2009.
- ADB requirements were met via completion of an Initial Environmental Examination which was approved by both GoK and ADB in 2012.
- Involves only the rehabilitation of sewage system and the anaerobic digester to be installed at Nanikai
- Identify possible future impacts, assessed their significance, define ways to avoid/prevent them from occurring or specify mitigative measures reducing unavoidable impacts to an acceptable level.
- Accepted by MELAD on the 30 June 2014



3



Environmental Management Plan

- Environmental issues are identified for the pre, during and post construction periods in the BEIA and are outlined in EMP
- EMP components: Mitigation & Monitoring
 - Mitigation Component outlines all mitigation measures for each environmental issue, timeframe, responsibilities in terms of implementation and supervision
 - Monitoring Component outlines the monitoring details required for each environmental issue, timeframe, responsibilities in terms of executing and reporting



4



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- **CONSTRUCTION PERIOD**
 - Issue 2.2: Accidental damage to property**
 - Mitigation:**

Ensuring that all works operations take place in the presence of the Contractor's supervisor, who shall be responsible for taking all reasonable precautions to prevent damage to property. It is expected that the supervisor be fully aware of the grievance redress mechanisms as defined in the EIR.
 - Monitoring Details:**

Visual inspection of project sites, and records of grievance made and actions taken
 - Responsibilities: Contractor**

Supervisor should be familiar with the grievance redress mechanism, log of grievance made and actions taken



7



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- **CONSTRUCTION PERIOD**
 - Issue 2.3: Accidental damage to utilities**
 - Mitigation:**

Obtaining plans from the P2R showing the location of pipelines and power cables, and mark prior to start of drilling and/or excavation for sewers.

Consultation with local residents on the location of utilities prior to commencing excavation operations.
 - Monitoring Details:**

Visual inspection of project sites, and records of grievance made and actions taken
 - Responsibilities: Contractor**

Supervisor should have plans from P2R or should consult P2R and local residents on the location of utilities, be familiar with the grievance redress mechanism, log of consultation with local community and P2R, log of grievance made and actions taken



8



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- CONSTRUCTION PERIOD**
- Issue 2.1: Noise nuisance from construction activities**
- Mitigation:**
 - Providing information to nearby residents about the duration of noise and dust generating operations.
 - Planning of construction operations to minimise public nuisance. Limit construction operations to take place during daytime hours (7am to 5pm only).
 - Detectors, plant and equipment are to conform to international noise emission and signage requirements.
 - Issue tracker to monitor the noise levels. A complaint log will be maintained.
- Monitoring Detail:**
 - Visual inspection of project sites, and records of grievance made and action taken.
 - Conduct a set of interviews with closest residents to establish impacts and action taken by contractor.
- Responsibilities: Contractor**
 - Responsible means to inform nearby residents about duration of noise and dust generating operations. Interviews to be recorded. Be familiar with the grievance redress mechanism, log of grievance made and action taken.

9



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- CONSTRUCTION PERIOD**
- Issue 2.3: Excavator exhaust emissions and black smoke**
- Mitigation:**
 - Provision of vehicles and plant that conforms to international emission standards and maintenance to ensure compliance conformity. The contractor will supply service certificates for all vehicles and plant, and submit records of maintenance and repair to the supervising engineer.
- Monitoring Detail:**
 - Visual inspection of project sites, and records of grievance made and action taken.
 - Check for maintenance records, age of equipment and operation within specifications and instruct contractor to correct problem within 2 days.
- Responsibilities: Contractor**
 - Log of maintenance, age of equipment within specifications. Be familiar with the grievance redress mechanism, log of grievance made and action taken.

10



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- CONSTRUCTION PERIOD**
- Issue 2.5: Failure to prepare and submit monitoring checklist reports**
- Mitigation:**
 - The contractor will be responsible for filing monthly monitoring checklist reports, defining the mitigative measures undertaken, issues arising and future activities based on the N/A.
- Monitoring Detail:**
 - Have available full record of monthly monitoring checklist reports.
- Responsibilities: Contractor**

13



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- POST CONSTRUCTION PERIOD**
- Issue 3.1: Health and safety risks associated with (1) cleaning and removal of wall screening equipment; (2) operation of sludge digester**
- Mitigation:**
 - Proper procedures on how the system is cleaned and removed are clearly defined prior to the operation phase. Proper equipment and gear for the above operation are procured prior to the operation phase. Maintenance schedule is defined and cost to adequately cover the cost of maintenance is included prior to the operation phase.
- Monitoring Detail:**
 - Maintenance schedule should at least cover the operation life of the equipment.
- Responsibilities: Contractor**
 - Ensure that the procedure is in place and equipment required are procured. Access to be contained during operation, and risk of wet work are closed properly after completion of operation.
- Responsibilities: Contractor**
 - Production of Operation and Maintenance manual before completion of construction and prior operation period.
- MPPW/Consultant**
 - Procurement of appropriate equipment and ensure cost of maintenance.

14



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- CONSTRUCTION PERIOD**
- Issue 2.6: Pollution from chemicals and fuels**
- Mitigation:**
 - All fuels or other potentially hazardous materials shall be stored in secure and managed sites, identified by the contractor. Sites shall be secured and locked with access restricted to nominated contractor's staff and have 3mm made of concrete or other impermeable material and shall have been containing spill spill to place on and contain any spill.
 - Ensure that any vehicles are maintained to international standards as defined previously in relation to noise, preventing oil leakage and excessive exhaust emissions.
- Monitoring Detail:**
 - Regular inspection of sites for pollution from storage of hazardous materials and likely leakage and exhaust emissions from vehicles.
- Responsibilities: Contractor**
 - Log of inspection for hazardous storage and leakage and emissions from vehicles, secure storage site, check leakability. Log of action taken to remedy leakage and emissions.

11



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- CONSTRUCTION PERIOD**
- Issue 2.7: Removed trees and vegetation along street line trenches not replanted**
- Mitigation:**
 - The contractor will be required to replace all vegetation and trees removed along the trenching route and during site with material approved by the local communities as well as the forest department, as soon as work is completed at a site.
- Monitoring Detail:**
 - Ensure that revegetation has taken place or local consultation agreed to another approach to mitigate losses.
- Responsibilities: Contractor**
 - Log of approach taken.

12



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- POST CONSTRUCTION PERIOD**
- Issue 3.2: Potential risks from the failure of the sludge digester to be installed at Namakal landfill**
- Mitigation:**
 - Maintenance schedule is defined and cost to adequately cover the cost of maintenance is included prior to the operation phase. Maintenance schedule should at least cover the operation life of the digester. Plans for replacement should also be in place.
- Monitoring Detail:**
 - Regular monitoring of digester on site.
- Responsibilities: MPPW/Consultant**

15



Environmental Issues, Mitigation, Monitoring and Responsibilities under EMP

- POST CONSTRUCTION PERIOD**
- Issue 3.3: Poor management of anaerobic digester wastes**
- Mitigation:**
 - MPPW will encourage local residents to use the digester and repair as facilities as part of the natural vegetable growing industry of the area. Unusual liquid will be taken to the local sewage treatment plant, treated and disposed of through the sewer outfall.
- Monitoring Detail:**
 - MPPW or PRC will conduct training sessions in the use of bio-fertilizer.
- Responsibilities: MPPW/Consultant**
 - Consult with MPPW and submit written report of action taken to treat local to use digester material—and further training in the use of the bio-fertilizer.

16




[illegible]

ATTENDANCE LIST

Appendix 2 Environmental License Application, BEIA Status

(Please Use only)



Project No.	
Date of receipt	
KK number	
Revision date	
Site visit date	
Status	

GOVERNMENT OF KIRIBATI
MINISTRY OF ENVIRONMENT LANDS AND AGRICULTURAL DEVELOPMENT
 P.O. Box 114, Bikenibea, Tarawa, Republic of Kiribati
 Tel. No. (686) 28040/28425 Fax: (686) 28334
 Email: information@environment.gov.ki

Environment Licence Application Form

1. Contact Information

Name of applicant: Ministry of Public Works and Utilities

Contact Address: Ministry of Public Works and Utilities
 P.O. Box 498
 Betio, Tarawa

Phone: 686 26143
 Fax: 686 26172

2 Background Information

Name of project (ESA): South Tarawa Sanitation Improvement Sector Project (STSISP)
 ICB02

Type of project: Government of Kiribati project

Location of the project: Existing sewerage outfall alignments located at Bikenibea, Bairiki and Betio

Proposed implementation date: Call for proposal, July 2015, Contractor mobilization Sept 2015

2.1 Project Description

Background
 South Tarawa Sanitation Improvement Sector Project (STSISP) has the following stated outputs: (i) improved sanitation and hygiene practices among South Tarawa's population, (ii) effective collection, treatment and disposal of sewerage in South Tarawa by the Public Utilities Board (PUB), (iii) assistance to MPWU and PUB to build the capacity to

1

X



GOVERNMENT OF KIRIBATI
MINISTRY OF ENVIRONMENT LANDS AND AGRICULTURAL DEVELOPMENT
P.O. BOX 234, BIKENIBEU, TARAWA
Telephone Number: (686) 28647, 28211, 28507 Fax Number (686) 28334,
E-mail: information@metad.gov.ki

File ref: k/103b

Date: 17/06/15

To: Secretary, MPWL
Betio

Cc: Team Leader
SMET Office
Bairiki

Re: Decision for ICB-02: The Upgrade of Ocean Outfalls Betio, Bairiki and Bikenibeu

Reference is made to your Environment Licence application form lodged on 25th of May 2015 for the above captioned project.

Please kindly note that this project as a whole was initially subjected to the Basic Environment Impact Assessment (BEIA). Thus, the decision of the PED as applied to ICB-01 remains valid for ICB-02 subcomponent. Please also note that it is the proponent responsibility to undertake the required assessment.

As a requirement under the Environment Act 1999 (as amended 2007), the BEIA report must be submitted to the Environment and Conservation Division (ECD) for review. Following the submission of the BEIA report is the public display. I attached to this letter the BEIA minimum requirements and EIA public display and hearing guideline, to guide and assist you on how to proceed.

Finally, please note that as part of the environment licensing system requirement, you are also required to provide an electronic copy and four hard copies of the report for submission.

Should you have queries regarding this letter, please feel free to contact the Ministry on 28211 or 28000.

Thank you and we look forward to receiving the BEIA report for ICB-02, and we would ensure to work closely with your Ministry to expedite the next steps.


Timi Kakekiki
Principal Environment Officer/Secretary of MELAD

Appendix 3 EMP Compliance Monitoring and Audit

Environment Monitoring March* 2015

Environmental Issue	Issues	Actions taken
1.3 Occupational health and safety measures	Few of workers not wearing safety footwear.	Talk with onsite workers and supervisor present the need to wear footwear in line with the OSH guideline outlined in the agreement
2.1 Generation of construction waste	No waste generated as only digging works involved	
2.2 Accidental damage to property	nil	
2.3 Accidental damage to utilities	Nil Nearby residences were not consulted on utilities	Did inform the supervisor that consultation is required.
2.4 Noise nuisance from construction activities.	nil	
2.5 Exhaust emissions and black smoke excessive	Nil - no heavy machinery used	
2.6 Pollution from chemicals and fuels	nil	
2.7 Removed trees and vegetation along sewer line trenches not replanted	Did clearing of shrubs around the valves and hydrant locations	

2.8 Submit monitoring reports	Submission is required by CCB	
---	-------------------------------	--

*This was the first month of formal reporting of field activities since site work was minimal prior to March 2015.

Environment Monitoring April 2015

Environmental Issue	Issues	Actions taken
1.3 Occupational health and safety measures	Few of workers not wearing safety footwear.	Talk with concerned workers who were not wearing footwear.
2.1 Generation of construction waste	No waste generated as only digging works involved	
2.2 Accidental damage to property	nil	
2.3 Accidental damage to utilities	Nil	
2.4 Noise nuisance from construction activities.	nil	
2.5 Exhaust emissions and black smoke excessive	Nil - no heavy machinery used	
2.6 Pollution from chemicals and fuels	nil	
2.7 Removed trees and vegetation along sewer line trenches not replanted	Did clearing of shrubs around the valves and hydrant locations	
2.8 Submit monitoring reports	Submission is required by CCB	

May CCB Environmental Compliance Audit Findings

SUMMARY REPORT ON ENVIRONMENTAL INSPECTION UP TO 22 May 2015

Environment Issues	Accomplished	Issues	Actions to be taken
--------------------	--------------	--------	---------------------

1.3 Occupational, Health and Safety measures	Induction been made	Still some workers are not wearing safety boots when working on site	CCB is asked to ensure compliance
2.1 Generation of construction waste	<p>1. Non- hazardous waste disposed at Betio dumping site. Dates were provided as proof.</p> <p>2. Concrete reused by local workers and significant amount used as fill material for Maiana reclaimed area next to Mary's Motel at Bairiki</p> <p>3. Green waste (tree branches) went to BTC</p> <p>4. Hazardous materials are stored on site.</p> <p>5. Used hydrant and valves were stored at PUB compound</p>	<p>Materials imported by CCB not clearly stated</p>	<p>Dumping dates to be included in the monthly report as attachment</p> <p>Need to have separate list of hazardous materials imported from materials procured locally.</p>
2.2 Accidental damage to property	None reported so far		
2.3 Accidental damage to utilities	<p>2 reported for Betio.</p> <ul style="list-style-type: none"> - Electricity - Rapture water pipe <p>All repaired. Electricity was repaired by CCB and PUB; water pipe was repaired by PUB</p> <p>All complaint registered</p>	<p>Consultation with PUB on plan for utilities has been made but the Plan is very limited in coverage and accuracy.</p> <p>There is no proof that consultation has been made with local residences for location of utilities.</p> <p>CCB did mention that verbal consultation with local in identifying locations of manholes was made regularly.</p> <p>Assistances from local residences were often sorted to provide space by removing animals before</p>	<p>Consultation to be made and proof provided</p>

		work starts. Usually they were given few days.	
2.4 Noise nuisance	No complain so far		
2.5 Exhaust emissions and black smoke excessive	Records of maintenance shown	No emission certificate provided	CCB to provide emission certificate
2.6 Pollution from chemicals	All imported hazardous materials stored properly	CCB used own generator to produce own electricity	Need to inspect fuel storage on site. Fuel storage checked on the 2 nd June 2015. There is 100 liters of petrol stored in 5 20liter containers. All stored properly on site. 100 liters is well below the ECD volume requirement to obtain Environmental license for storage.
2.7 Removal of trees and vegetation	So far no vegetation has been removed from private areas except for cutting branches off trees to access work site and clearing of vegetation at pump stations.		
2.8 Report	No monthly report available that should address all the above issues.		CCB to produce report on a monthly basis

Environmental Issue	Issues	Actions taken
1.3 Occupational health and safety measures	Workers complying to OSH measures	
2.1 Generation of construction waste	On 24/25 June pump station 8 was cleaned off raw sewage and taken to pump station 1. Bits of steel were taken to recycle Fuels are stored in containers.	

Environmental Issue	Issues	Actions taken
	 <p>Removal of hydrant from road to road side causes salt water from pipe to drain into ground directly</p> 	
2.2 Accidental damage to property	None in June	

Environmental Issue	Issues	Actions taken
2.3 Accidental damage to utilities	None in June Meeting between CCB, SMEC and PUB took place on Wednesday 1 st July with regards to electricity service to pump stations.	
2.4 Noise nuisance from construction activities.	None in June	
2.5 Exhaust emissions and black smoke excessive	CCB to produce exhaust emission certificates.	
2.6 Pollution from chemicals and fuels	None	
2.7 Removed trees and vegetation along sewer line trenches not replanted	Removal of trees and vegetation did not take place	
2.8 Submit monitoring reports		

Appendix 4 – PS Landowners Letters of Intent

Excerpts from: Resettlement Action Plan (August 2014)

Annexure 3 – Signed Letters of Intent from Bikenibeu PS1/6 Landowners



GOVERNMENT OF KIRIBATI
MINISTRY OF ENVIRONMENT, LANDS & AGRICULTURAL DEVELOPMENT
LAND MANAGEMENT DIVISION
PO Box 7, Bairiki, Tarawa. Republic of Kiribati.
Phone No: 686 21283 Fax No: 686 21463

File ref:

Date: May 2014

BORARAOI MA TAAN ABABA IBUKIN PUMPS No1, 5 & 6 Bikenibeu
May 2014

Ngaira aika taan ababa aika oti arara ma ara tiaina inano ti kakoaua ao ni kariaia kanoan te boraraoi aio n aron taekana ae inano; (We, the landowners whose names and signatures appears below agree to content of the letter of intent as follow :)

- i) Bwa ti kariaia ao man kukurei ni butimaei ana kabowmi te Tautaeaka ibukin kabonganana abara ibukin taian bam aika a tei iaona ngkai. (We agree and accept Government compensations for the use of our land plot.)
- ii) Bwa ti kariaia bwa ena waaki ngkai karaoan ao biriakinan te kabwamwane ibukin te kabomwii nakoira n te mwai are ea tia n kabwatia ao ni baieraia te Kaebineti. (We agree that Government is arranging payment of compensation recently approved by Cabinet.)
- iii) Bwa ena waaki te mwakuri ni katamaroa ke te Project nakon bwam aikai n akea ara totoko ni itera nako nakoia taan mwakuri ake ana waakina aio. (We agree that the work on the Project can proceed without our interference.)
- iv) Bwa ena waaki karaoan te boraraoi n riiti imarenara ma te Tetautaeaka are ena rinanon kawaina iaan te Tua. (That a special lease agreement between us and Government will be prepared according to the existing laws.)
- v) Bwa ngkana iai tangiran te toutia ke kaitiakan te aro ni bwaibwai ao bon tabera bwa tina waakina moa aio imwain butimwaeen te kabomwii te mwane ma aio e na aki totokoa wakinan mwakuri aikana oti n i), ii), iii) ao iv). (That if there is an issue on landownership on the land plot where the Pump Station is located, it is our duty to ensure the issue is resolved through Court Proceeding without hindering works in i), ii), iii) and iv).)

Ngaira taan ababa aika oti inano

Pump No1
Ruiti Uriano
mtmm (list all)

Pump No5
Tetaua Temea
Tauroa Temea
Nangkiba Temea
Temarontarae Temea

Pump No6
Toka Baitere
Kakoroa Karekenna
Aroito Bitanana
(list others as well)

Witness by
(Title)

Date:

GOVERNMENT OF KIRIBATI
MINISTRY OF ENVIRONMENT, LAND & AGRICULTURE DEVELOPMENT
LAND MANAGEMENT DIVISION
PO Box 7, BAIRIKI, TARAWA, REPUBLIC OF KIRIBATI
Phone No. +686 21283 Fax No. +686 21463
E-mail.



BORARAOI MA TAAN ABABA IBUKIN PUMP No1, Bikenibeu
25 July 2014

Ngaira aika taan ababa aika oti arara ma ara tiaina inano ti kakoaua ao ni kariaia kanoan te boraraoi aio n aron taekana ae inano;

- i) Bwa ti kariaia ao ni kukurei ni butimaeia taan mwakuri bwa ana roko ni karaoa te mwakuri ni katamaroa nakon te pump ke aomatan te Project n roko n tuo te mwakuri ni katamaroa nakon te pump n akea ara totoko,
- ii) Ti kukurei n butimaea ana kabomwi te Tautaeka ibukin kabonganana abara ibukin te bwam ae tei iaona ngkai, *n te mwaiti ae \$10,500 are ea tia ni kabwatia ao ni bareia Kaebineti.*
- iii) Bwa ti kariaia bwa ena waaki karaoan ao biriakinan te kabwaka mwane ibukin te kabomwii nakoira n te mwaiti are ea tia n kabwatia ao ni bareia Kaebineti imwin tian te toutia ao kanakoan ana moti te bowi n Aba *ibukin kakoauana bwa e tei iaon aban antai te bwam ao antai are ena riai ni bwaka nakoira te kabomwii.*
- iv) Bwa ena waaki karaoan te boraraoi n riiti imarenara ma te Tetautaeka ibukin kabonganakin abara ibukin te bwam are ena rinanon karaoana ian te Tua *ngkana e tia ii) ao iii) ieta*
- v) Ngkai ti kakoaua bwa iai tangiran te toutia bon taben ana Project te Tautaeka kaitaran kabanemane ao biriakinan te toutia ma te kabowi imwain butimwaeen te kabomwii te mwane ma aio e na aki totokoa wakinan mwakuri iroia taan mwakuri ke aomatan te Project ibukin karaoan te pump n aron are oti n i) ieta.
- vi) Ara kariaia ao ara boraraoi aika oti ieta bon ti ibukin taekan te bwam. Ibukin "man-holes" aike a tei naba iaon abara *n reitaki ma baibu aike a wene iaan abara ti na manga rinanoia ma te Tautaeka ke ana rawabata te Tautaeka are tabena imwin tian te toutia ao kanakoan ana moti te bowi n Aba iaon tian abara ma taan ababa aika tii aontia ma ngaia.*

Ngaira taan ababa aika oti inano:

South Tarawa Sanitation Improvement Sector Project:

Ruiti Uriano mtmm

25/7/14

Taboia Metutera
Water Sanitation Engineer

Witness:

Tekabang Uriano
Dated: 25/7/14

Witness:

Tebulonga Kreda
Dated: 25/7/14

GOVERNMENT OF KIRIBATI
MINISTRY OF ENVIRONMENT, LAND & AGRICULTURE DEVELOPMENT
LAND MANAGEMENT DIVISION
PO Box 7, BAIRIKI, TARAWA, REPUBLIC OF KIRIBATI
Phone No. +686 21283 Fax No. +686 21463
E-mail.



BORARAOI MA TAAN ABABA IBUKIN PUMPS No1, 5 & 6 Bikenibeu
28th May 2014

Ngaira aika taan ababa aika oti arara ma ara tiaina inano ti kakoaua ao ni kariaia kanoan te boraraoi aio n aron taekana ae inano;

- i) Bwa ti kariaia ao man kukurei ni butimaeia taan mwakuri bwa ana kona n roko n karaoa te mwakuri ni katamaroa nakon te pump ke aomatan te Project n roko n tuo te mwakuri ni katamaroa nakon te pump n akea ara totoko,
- ii) Bwa ti kariaia bwa ena waaki karaoan ao biriakanan te kabwamwane ibukin te kabomwii nakoira n te mwaiti are ea tia n kabwatia ao ni baieraia te Kaebineti imwin tian te kakaraoi iaon te bwaibwai n te aba nakon are ena toka arana n te aba man motin te boowi n Aba
- iii) Ti kukurei n butimaea ana kabomwi te Tautaeka ibukin kabonganana abara ibukin te bwam ae tei iaona ngkai,
- iv) Bwa ena waaki karaoan te boraraoi n riiti imarenara ma te Tetautaeka are ena rinanon kawaina iaan te Tua
- v) Bwa ngkana iai tangiran te toutia ke kaitiakan te aro ni bwaibwai ao bon tabera bwa tina waakina moa aio imwain butimwaeen te kabomwii te mwane ma aio e na aki totokoa wakinan mwakuri aikana oti n i), ii), iii) ao iv)

Ngaira taan ababa aika oti inano ibukin Pump Nob: One (Pump 1)

* KABUTA TEKITANGA LANDOWNER
TITLE:

Dated on this 28th May 2014.

Witnessed by:

Taboia Metutera

Moote Korina

SMEC Engineer
Title

LAND VALUER.
Title:

GOVERNMENT OF KIRIBATI

MINISTRY OF ENVIRONMENT, LAND & AGRICULTURE DEVELOPMENT
LAND MANAGEMENT DIVISION

PO Box 7, BAIRIKI, TARAWA, REPUBLIC OF KIRIBATI

Phone No. +686 21283 Fax No. +686 21463

E-mail.



BORARAOI MA TAAN ABABA IBUKIN PUMP No1 Bikenibeu

12th June 2014

Ngaira aika taan ababa aika oti arara ma ara tiaina inano ti kakoaua ao ni kariaia kanoan te boraraoi aio n aron taekana ae inano;

- i) Bwa ti kariaia ao man kukurei ni butimaeia taan mwakuri bwa ana kona n roko n karaoa te mwakuri ni katamaroa nakon te pump ke aomatan te Project n roko n tua te mwakuri ni katamaroa nakon te pump n akea ara totoko,
- ii) Bwa ti kariaia bwa ena waaki karaoan ao biriakinan te kabwamwane ibukin te kabomwii nakoira n te mwaiti are ea tia n kabwatia ao ni baieraia te Kaebineti imwin tian te kakaraoi iaon te bwaibwai n te aba nakon are ena toka arana n te aba man motin te boowi n Aba
- iii) Ti kukurei n butimaea ana kabomwi te Tautaeika ibukin kabonganana abara ibukin te bwam ae tei iaona ngkai,
- iv) Bwa ena waaki karaoan te boraraoi n riiti imarenara ma te Tetautaeika are ena rinanon kawaina iaan te Tua
- v) Bwa ngkana iai tangiran te toutia ke kaitiakan te aro ni bwaibwai ao bon tabera bwa tina waakina moa aio imwain butimwaeen te kabomwii te mwane ma aio e na aki totokoa wakinan mwakuri aikana oti n i), ii), iii) ao iv)

Ngaira taan ababa aika oti inano ibukin Pump No1:

Takaria Tiira

Dated on this 12th June 2014.

Witnessed by:

Moote Korina

AG. CLMO (LAND VALUER).

Title:

GOVERNMENT OF KIRIBATI

MINISTRY OF ENVIRONMENT, LAND & AGRICULTURE DEVELOPMENT

LAND MANAGEMENT DIVISION

PO Box 7, BAIRIKI, TARAWA, REPUBLIC OF KIRIBATI

Phone No. +686 21283 Fax No. +686 21463

E-mail.



BORARAOI MA TAAN ABABA IBUKIN PUMP No1, Bikenibeu

25 July 2014

Ngaira aika taan ababa aika oti arara ma ara tiaina inano ti kakoaua ao ni kariaia kanoan te boraraoi aio n aron taekana ae inano;

- i) Bwa ti kariaia ao ni kukurei ni butimaeia taan mwakuri bwa ana roko ni karaoa te mwakuri ni katamaroa nakon te pump ke aomatan te Project n roko n tuo te mwakuri ni katamaroa nakon te pump n akea ara totoko,
- ii) Ti kukurei n butimaea ana kabomwi te Tautaeika ibukin kabonganana abara ibukin te bwam ae tei iaona ngkai, *n te mwaiti ae \$10,500 are ea tia ni kabwatia ao ni bareia Kaebineti.*
- iii) Bwa ti kariaia bwa ena waaki karaoan ao biriakinan te kabwaka mwane ibukin te kabomwii nakoira n te mwaiti are ea tia n kabwatia ao ni bareia Kaebineti imwin tian te toutia ao kanakoan ana moti te bowi n Aba *ibukin kakoauana bwa e tei iaon aban antai te bwam ao antai are ena riai ni bwaka nakoina te kabomwii.*
- iv) Bwa ena waaki karaoan te boraraoi n riiti imarenara ma te Tetautaeika ibukin kabonganakin abara ibukin te bwam are ena rinanon karaoana iaan te Tua *ngkana e tia ii) ao iii) ieta*
- v) Ngkai ti kakoaua bwa iai tangiran te toutia bon taben ana Project te Tautaeika kaitaran kabanemane ao biriakinan te toutia ma te kabowi imwain butimwaeen te kabomwii te mwane ma aio e na aki totokoa wakinan mwakuri irouia taan mwakuri ke aomatan te Project ibukin karaoan te pump n aron are oti n i) ieta.
- vi) Ara kariaia ao ara boraraoi aika oti ieta bon ti ibukin taekan te bwam. Ibukin "man-holes" aike a tei naba iaon abara *n reitaki ma baibu aike a wene iaon abara ti na manga rinanoia ma te Tautaeika ke ana rawabata te Tautaeika are tabena imwin tian te toutia ao kanakoan ana moti te bowi n Aba iaon tian abara ma taan ababa aika tii aontia ma ngaia.*

Ngaira taan ababa aika oti inano:

South Tarawa Sanitation Improvement Sector Project:

Ruiti Uriano mtmm

25/7/14

Taboia Metutera
Water Sanitation Engineer

Witness:

Tekabang Uriano
Dated: 25/7/14

Witness:

Tebulonga Kreada
Dated: 25/7/14

GOVERNMENT OF KIRIBATI

MINISTRY OF ENVIRONMENT, LAND & AGRICULTURE DEVELOPMENT
 LAND MANAGEMENT DIVISION

PO Box 7, BAIRIKI, TARAWA, REPUBLIC OF KIRIBATI

Phone No. +686 21283 Fax No. +686 21463

E-mail.



BORARAOI MA TAAN ABABA IBUKIN PUMPS No1, 5 & 6 Bikenibeu

May 2014

Ngaira aika taan ababa aika oti arara ma ara tiaina inano ti kakoaua ao ni kariaia kanoan te boraraoi aio n aron taekana ae inano;

- i) Bwa ti kariaia ao man kukurei ni butimaei ana kabowmi te Tautaeaka ibukin kabonganan abara ibukin tain bwam aikana tei iaona ngkai
- ii) Bwa ti kariaia bwa ena waaki ngkai karaoan ao biriakinan te kabwamwane ibukin te kabomwii nakoira n te mwai are ea tia n kabwatia ao ni baiera te Kaebineti
- iii) Bwa ena waaki te mwakuri ni katamaroa ke te Project nakon bwam aikai n akea ara totoko ni itera nako nakoia taan mwakuri aike ana waakina aio
- iv) Bwa ena waaki karaoan te boraraoi n riiti imarenara ma te Tetataeaka are ena rinanon kawaina ian te Tua
- v) Bwa ngkana iai tangiran te toutia ke kaitiakan te aro ni bwaibwai ao bon tabera bwa tina waakina moa aio imwain butimwaeen te kabomwii te mwane ma aio e na aki totokoa wakinan mwakuri aikana oti n i), ii), iii) ao iv)

Ngaira taan ababa aika oti inano

Pump No1:

Ruiti Uriano

mtmm (list all)

Pump No5:

Tetaua Temea

Tauroa Temea

Nangkiba Temea

Temarontarae Temea

Pump No6:

Toka Baitere

Kakoroa Karekenna

Aroito Bitanana

(list others as well)

Witness by:

[Signature]
 Title: *Taboia Wae fukera*
Water Engineer, SMEC

14/05/2014
 Date:

[Signature]
 Title: LAND VALUER
 MOOTE ANATA

14/05/2014

Appendix 5 Social Safeguards Visit to Pump Stations One, Five, and Six Bikenibue



Government of Kiribati
Ministry of Public Works & Utilities



Social Safeguards Site visit to Pump Station One, Five and Six Bikenibue associated with
ICB 01 Report
Period: April 2015



*Grant-0263 KIR: South Tarawa Sanitation Improvement Sector Project
G1 Project Management and Implementation, Community
Engagement and Capacity Development Activities*

SMEC International
in Association with Brisbane City Enterprises, SKM and ThEcoCare
April 2015

Report Name:	South Tarawa Sanitation Improvement Sector Project – Social Safeguards Training Report, April 2015
Project Number:	5119003
Report for:	Ministry of Public Works and Utilities

PREPARATION, REVIEW AND AUTHORISATION

Revision #	Date	Prepared by	Reviewed by	Approved for Issue by
1	April 2015	Madhusudan Hanumappa, Iannang Teaoro G Longman	G Longman	G Longman
2				
3				

ISSUE REGISTER

Distribution List	Date Issued	Number of Copies
Client:		1x Soft Copy 1 x Hard Copy to follow
SMEC staff:		1x softcopy
Office Library (SMEC office location):		1x softcopy
SMEC Project File:		1x softcopy

SMEC COMPANY DETAILS

SMEC International Pty Ltd
20 Berry Street Level 5, North Sydney, NSW 2060
T +61 2 9925 5571 F +61 2 9925 5566 M 61411 054 901
Email: SMEC Project Manager – Zaglul Khandkar, Zaglul.Khandkar@smec.com

www.smec.com

The information within this document is and shall remain the property of SMEC. The document and its contents may only be used for the purpose of assessing and engagement of our services

Contents

Abbreviations and Acronyms	i
Executive Summary	Error! Bookmark not defined.
1 Introduction	3
Report Purpose and Rationale	3
2 The Project.....	4
3 Site visit – 26.03.2015	5
4 Issues for discussions and public consultations.....	6
5 PUBLIC CONSULTATION MEETING – PS5 Relocated Site Bikenibeu	7
6 Follow up Meeting with Households at PS5 Project Site.....	15

Abbreviations and Acronyms

ADB	Asian Development Bank
ADF	Asian Development Fund
APs	Affected persons
AUD	Australian Dollar
Ausaid	Australian Agency for International Development
CDT	Capacity Development Training
CE	Community Engagement
CLTS	Community-led total sanitation
DMF	Design and monitoring framework
EA	Executing agency
FGD	Focus Group Discussion
FS	Feasibility Study
IA	Implementing agency (MPWU)
IC	Inspection certificate / International Consultants/ in charge (as appropriate to context)
ICB	International competitive bidding
IEC	Information, education and communication
M&E	Monitoring and Evaluation
<i>maneaba</i>	Open air meeting place
MELAD	Ministry of Environment, Lands and Agricultural Development
MFED	Ministry of Finance and Economic Development (ex MLED)
MHMS	Ministry of Health and Medical Services
MISA	Ministry of Internal and Social Affairs
MPWU	Ministry of Public Works and Utilities
MS	Microsoft
NGO	Non-government organization
O&M	Operations and maintenance
PAI	Project administration instruction
PAM	Project administration manual
PAUS	Pacific Urban, Social Development and Public Management Division
PIU	Project implementation unit
PMO	Project Management Office (in MFED)
PPMS	Project performance monitoring system
PPTA	Project preparatory technical assistance (PPTA 7359 relates)
PRA	Participative rural appraisal
PS	Pumping station
PUB	Public Utilities Board
QBS	Quality-based selection
QCBS	Quality and cost-based selection
RF	Resettlement framework
RP	Resettlement plan
RRP	Report and recommendation of the President to the Board
SAPHE	Sanitation, Public Health and Environment Improvement Project
SC	Steering Committee

SPS	Safeguard Policy Statement
STSISP	South Tarawa Sanitation Improvement Sector Project
TA	Technical Assistance
TNA	Training Needs Assessment
TOR	Terms of Reference
TUC	Teinainano Urban Council
<i>unimwane</i>	Male village elders

4 Introduction

Report Purpose and Rationale

In March / April 2015, Madhusudan Hanumappa, Social Safeguard specialist visited Tarawa to carry out:

- Training of local SMEC staff and the MPWU counterpart staff in the RAP and related matters;
- Visit Pump stations 1,5,6 relating to ICB 01; and
- Update the Semi Annual Safeguards Report.

This report covers the visit to PS 1, 5, 6 Bikenibeu and details follow up public and householder consultations.

5 The Project

ICB 01 being the rehabilitation of saltwater and sewer systems, Batio, Bairiki and Bikenibeu includes the rehabilitation of 21 Manholes, PS1 PS 5 , & PS 6 Bikenibeu are the only PS's on non-Government Leased Land. Compensation as agree by Cabinet, was offered and accepted by Landowners at PS 1 &6. However PS5 landowners rejected the offer and as a consequence t a relocated system was developed and priced in the ICB 01 contract as provisional amount. As a part of the visit by the Social Safeguards specialist, visiting the sites and organising public consultations around proposed work on PS 5 (Relocated) was carried out.

6 Site visit – 26.03.2015

The Site visit to PS 1, PS 5 and PS 6 Bikenibeu was undertaken along with three SMEC team members – Taboia, Iyannag and Nonong

The issue of PS 1 has been resolved and the community that lives around this site have no issues with the continuation of the PS at the existing location and rehabilitation work is being carried out by the contractor as necessary. However, the approach road from the main highway is not provided by the people living in the alignment of the manholes. This direct connection would have reduced the approach to PS 1 substantially for any civil works or future maintenance activities. In the absence of this direct short distance approach the contractor's team and further the maintenance works will have to be carried by travelling about 1-2 kms from the main highway. However, the issue of bad aroma due to the PS and the manholes along the alignment and the PS at this location has been a continual problem. The environment team of the Government and the SMEC team should address this issue. Appropriate measures should be provided to address this problem to reduce the bad smells due to the man holes and the PS.

The PS 5 proposed new location is on government land so the issue of land acquisition does not exist. However, the people living around this location need to be approached and informed about the PS being located at this point. However the man holes that will be located along the new route to the PS will be located on private property, the land owners or the present occupiers should be consulted and informed about this for their concurrence and consent. It is proposed to have a public consultation meeting with the council members of this locality, the land owners where the manholes will be located, the people living around the location of the PS 5, the MELAD representatives and the MPWU representatives along with the SMEC team should be part of this discussions and information dissemination about the project is necessary to all these stakeholders. However the issue of bad aroma due to the PS and the manholes along the alignment and the PS at this location has been a continual problem. The environment team of the Government and the SMEC team should address this issue. Appropriate measures should be provided to address this problem to reduce the bad smells due to the man holes and the PS.

The PS 6 there has been no disturbance to the existing site due to the construction of the highway and this site continues to be functional. However the issue of bad aroma due to the PS at this location has been a continual problem. The environment team of the Government and the SMEC team should address this issue. Appropriate measures should be provided to address this problem to reduce the bad smells due to the man holes and the PS.

7 Issues for discussions and public consultations

- The project brief was prepared and distributed to the local population in Gilbertese language which was provided as bullet points indicating the project objective and infrastructure to be established for improving the quality of life of the people in S.Tarawa.
- The agenda for the discussions – Information and consultations with the relevant stakeholders under the project for location PS 5.
- Target stakeholders:
 - People living around the PS 5;
 - Private land owners and present occupiers of land through which the manholes connecting PS 5;
 - MELAD;
 - MPWU;
 - The Council Members;
 - Religious or other local leaders.
- The issues of concern under the project:
 - The location of the PS will create some level of un-comfort to the people living around this location during rehabilitation activities, which includes some civil works and during periodic maintenance. Further there would be bad smells due the location of the PS itself and the route alignment of the manholes. This needs to be informed and explained to the stakeholders.
 - Secondly there would be disturbance during construction activities at both the PS and manhole locations. There would be disturbance and some dirt being spread during operation and maintenance phase as well. This also should be informed to the stakeholders.
 - Along with this the information on the proposed mitigation to manage these adverse issues were also provided to the stakeholders.
- Feedback and suggestions from the stakeholders:

No.	Stakeholders	Suggestions/Feedback	Remarks
1.	People living around the PS 5		
2.	Private land owners and present occupiers of land through which the manholes connecting PS 5		
3.	MELAD		
4.	MPWU		
5.	The Council Members		
6.	Religious or other local leaders		

8 PUBLIC CONSULTATION MEETING – PS5 Relocated Site Bikenibeu

Introduction

The issues surrounding PS5 has prompted the need to relocate the pump station. The relocation requires construction of three manholes and new pipeline alignment to divert the old system route to the new station (appendix 1).

Prior construction and as part of the social consultation process a public meeting was convened on the 11th April 2015 at a meeting hall (Ionatia Maneaba) adjacent to the project site. The objectives of the meeting are to;

- (i) inform the concerned participants the intended activities involved in the project and the area/s that will be utilized during construction work,
- (ii) record the feedbacks and concerns/questions with answers provided.

The participants invited to the meeting include Landowners, tenants, and concerned Government Stakeholders. The Lands Department assisted to identify land owners for both the existing and new PS5 locations. Currently there are two households living on the site which may be affected temporary by the project during the construction work. Both were invited to the meeting.

The meeting was led by Iannang Teaioro, the local safeguard officer, and the following topics were covered;

- (i) brief summary of the STSISP ICB01 project,
- (ii) the needs of relocating PS5,
- (iii) activities involved in the relocating process,
- (iv) the new alignment plan of pipeline works,
- (v) relative new locations of three manholes and
- (vi) grievances redress mechanism

This report summarises the result of the meeting.

Attendance

Name	Organisation	Gender	Comments
Riteta Iorome	MPWU – STSISP RAP Resettlement Officer/Director	M	Invited & Attended
Temwail Teimwarane	MPWU – STSISP RAP Social Development Officer	F	Invited & Attended
Ketaneti Burangke	MPWU – STSISP RAP Technical Assistant	M	Invited & Attended
Brown Nataua	Landowner – new PS5 site	M	Invited & Attended
Aberam Francis	Representative of another Landowner for new PS5 site	M	Invited & Attended
Tauroa Temeaa	Landowner – existing PS5 site	M	Invited & Attended

Lily Reue	Environment Officer – ECD MELAD	F	Invited & Attended
Taomarie Baraam	Environment Officer – ECD MELAD	F	Invited & Attended
Nangeru Manika	Lands Officer – Lands Department MELAD	M	Invited
Arawatau Miitoo	Land occupier	M	invited
Teauea Tebwana	Land occupier	M	Invited
Madhusudan Hammappa	Social Safeguard International Expert - SMEC	M	Attended
Iannang Teaioro	National Safeguard Officer - SMEC	M	Attended

The table above provides list of invited participants and appendix 2 provides list of participant attending the meeting. The two households occupying the land could not make it to the meeting due to family contingency, and the Officer from the lands department appointed for the meeting was sick.

The invitation letter is contained as appendix 3.

Responses

Attendees	Comments & Questions,	Answer
Landowner of existing PS5 site	<ul style="list-style-type: none"> (i) glad the pump station is to be relocated as bad odour will soon be eliminated (ii) would have more land space available (iii) he will still continue to pursue legal actions against PUB for reasons he did not mentioned (iv) was also asking if there is compensation for excavation work (v) recommend that the households not attending the meeting should be visited for consultation 	<p>The answer to (iv) is that there is no compensation for excavation work under the current Government compensation scheme</p> <p>The households occupying the land will be visited for consultation</p>
Landowner of new PS5 site	<ul style="list-style-type: none"> (i) The landowner for the new sites main concern was with excavation civil work to be undertaken in the process. He specifically made references to cultural practice where dispute would usually arise if the soil of the land is being 	<p>The answer provided is that, after the completion of civil works all disturbed / excavated ground will be filled with excavated materials to bring the status back to previous or better conditions.</p>

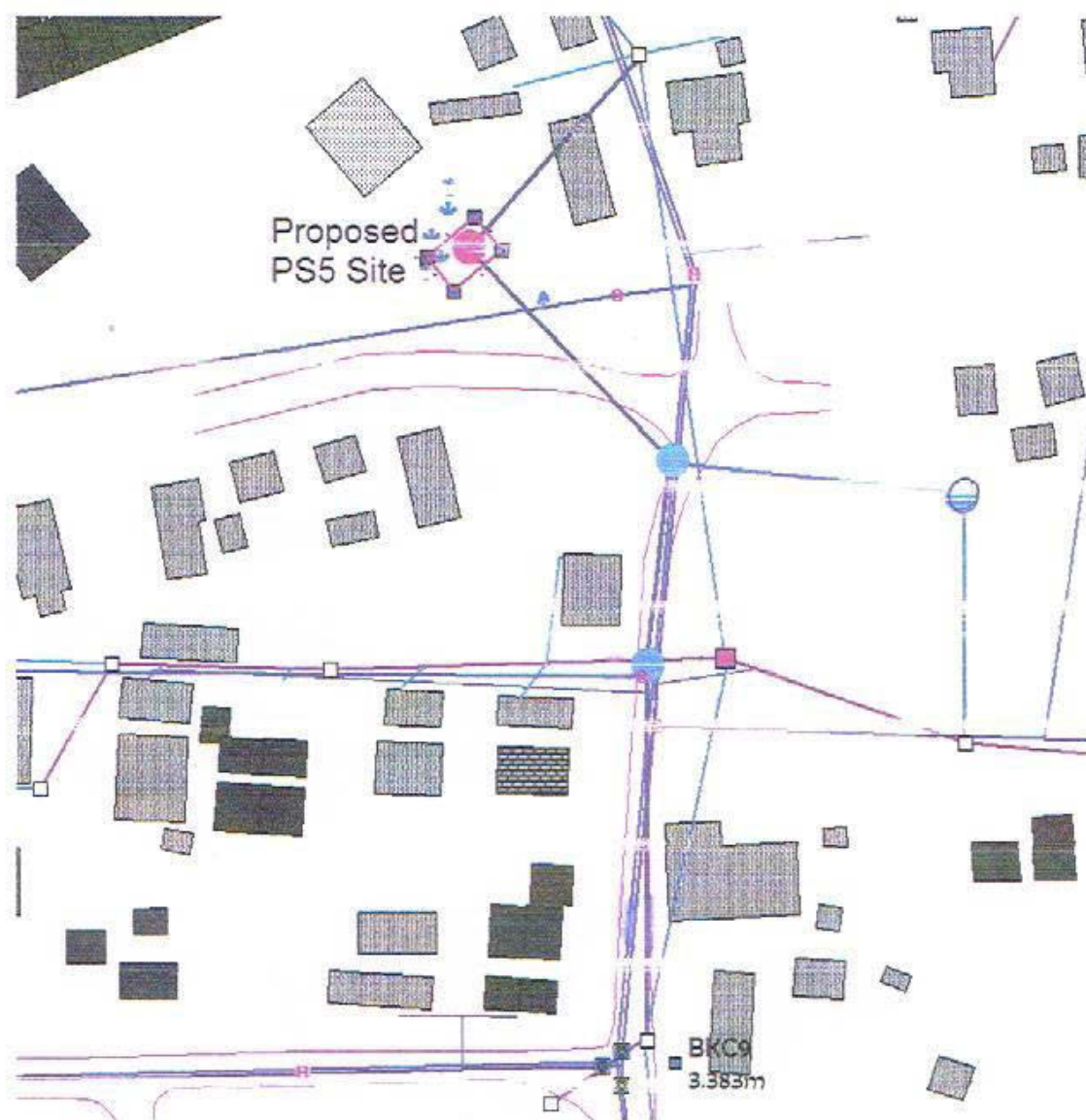
	<p>disturbed by someone living on the land sharing a boundary with. Therefore excavation work which is being equated to land disturbance should be compensated for and he urged the organizers of the meeting to take note of the compensation requested for further discussion with appropriate authorities.</p>	
--	---	--

Follow up Actions

- (i) Both households will be visited for consultation as suggested during the meeting, and
- (ii) Issues related to temporary losses will be identified for any compensation for the losses accrued for both households.



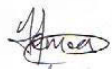
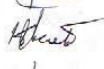


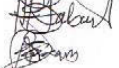


Appendix 1: Plan for PS5 new site

New Site for PS5 - Bikenibeu



The reconnaissance survey and positioning of the new site was conducted by Surveyors from MELAD on 8 – 9 November 2014 while the transferring of height to BKC9 (see map above) from a known reference point was conducted on 16 November 2014. The height of BKC9 is 3.383 m.

Appendix 2: Attendees

PS5 Public Consultation Saturday 11 April 2015		
<u>Name</u>	<u>Signature</u>	
Krowd. Natana		Landowner
Riberam Francis		Landowner
Tauroq Temaaq		Landowner
Ketereki Burangle		MPWU
Riteta Iorome		MPWU
Madhusudan Hemmappa		Social Safeguards Expert
Wily Reue		ECD
Tamaraie. Boraam		ECD
Teemwan Tamwarane		MPWU

Appendix 3: Invitation letter



MINISTRY OF PUBLIC WORKS & UTILITIES

P. O. Box 498, BETIO, TARAWA

Phone Numbers: Extension (686) 26192 or Direct: (686) 26493, Fax Number: (686) 26172

File ref:

Date: 9th April 2015

Nakon:

Aio te reta ni kakao nakoim nakon te maroro are ena karaoaki n te bong ae te kaonobong 11 Eberi 2015 ibukin te karikirake ae eoti inano, riki iaon nnen te pump station 5 ae e boou I Bikenibeu. E na karaoaki te maroro ni ni moa man te aoa 9 n te moan ingabong. lai te bao n ananai ao ni kaokioi.

Kabwarabwaran Te Karikirake

Te karikirake aio ae te South Tarawa Sanitation Improvement Sector Project (STSISP) e bon irekereke ma (i) katamaroan baibu ma mwin nako te kainako tinaniku ake a mena iaon Betio, Bairiki ao Bikenibeu ioan Tarawa Teinainano ni ikotaki ma karekean taian bwai ni mwakuri ibukin kateimatoan makurin bwaai ake a kamakura te kainako tinaniku ao (ii) katamaroan taian baibu ake a toma ma kainako tinaniku nnako taari i Betio, Bairiki ao Bikenibeu.

Taian bwai ake e kamwakura te kainako tinaniku n aron taian baibu, bwam, ao mwaniban nakotinaniku (manholes) ni ikotaki ma bwaia nako iaon Betio, Bairiki ao Bikenibeu a bon bongata ao ni mean ao angina a bon tangira te onobwai. Bwaai ni kabane ake a irekereke ma makurin taian kainako tinaniku ana bon tuoaki, kaitiakaki ao n oneaki mwin ake a bubuaka.

Te bwam ibukin bwamwian taari are e kabonganaki ibukin taian kain-nnako-tinaniku ni ikotaki ma bwaina nako a tangira te onobwai ae korakora. Taian taua (towers) ibukin kawakinan taari are ena kabonganaki n taian roki nnako tinaninuka ana katamaroaki ni ikotaki ma bwaibu ake a mka ao ai tangke ake toka iaon taian taua (towers) aikai. Baibu ibukin kawain taari ana bon bane ni kaitiakaki.

Bwai aika ana maroroakinaki

1. Kabwarabwaran te karikirake
2. Nnen PS5 ae boou ma kawain baibu ake ana toma ma ngaia
3. Kanganga nakon te botanaomata ma te otabwanin man te karikirake aio
4. Taian lango ni katamaroa

Ko bati n rabwa

Riteta Iorome
Ibukin Te Tia Koroboki (MPWU)

Appendix 4 Photos of participants



9 Follow up Meeting with Households at PS5 Project Site

Rationale

The follow up meeting with individual households was conducted at individual homes for the two families living at the PS5 project site. These families were initially invited to the consultation meeting held on the 11 April 2015 but could not attend due to family contingencies. The need to consult these families was raised during the meeting and hence the purpose of this visitation.

Present

Household 1: Arawatau Miitoo
Household 2: Teauea Tebwana
Member of Consultation team:
Iannang Teaioro SMEC
Lily Reue ECD MELAD
Nangiru Manikaa Lands MELAD
Tiana Water & Sanitation Unit, MPWU

Arrangement

The meeting with both households was arranged on 15 April 2015 and both agreed to meet with the consultation team on Tuesday 21 April 2015. The meeting with the households was done separately, one after the other beginning with household 1 followed by 2.

Topic

The following topics were covered;

- (i) brief summary of the STSISP ICB01 project,
- (ii) the needs of relocating PS5,
- (iii) activities involved in the relocating process,
- (iv) the new alignment plan of pipeline works,
- (v) relative new locations of three manholes and
- (vi) grievances redress mechanism

Respond

Both households responded positively and commended to have no issues with the project. They will both cooperate as much as possible.

Photos

Meeting with;
Household 1



Household 2



10 Concluding Remarks

The overall discussions have been positive and the people generally agreed to cooperate with the project activities as it is in the interest of the people of S.Tarawa. This project will improve the quality of life of the people by reducing the open defecation issue which is a larger problem to eradicate for the country.

The people were explained the situation about the project implementation and the activities being taken up during construction and the operation stages. Though the people expressed the problem of odour at all stages of the project, they suggested to work out some strategy that could be technically feasible to eliminate the odour problem in the longer duration.

The MPWU and the MELAD also participated in these discussions and could provide the people with the assurance that all necessary steps will be taken especially at the construction stage so that the problems and temporary damages to the land, property or the vegetation would be minimised.