

## **ANNEX B**

# **PRIORITY PROJECT INFORMATION SHEETS**

# Project Profile

## PROJECT DESCRIPTION

<b>A2</b>	<b>Runway Re-Surfacing &amp; Fencing</b>		
<b>Sector:</b>	Air Transport		
<b>Responsible Agency:</b>	Department of Civil Aviation		
<b>Background/ Rationale:</b>	<ul style="list-style-type: none"> <li>Although runway refurbishment will temporarily allow continued operations; a full runway resurfacing is required within 3 years.</li> <li>Detailed technical studies show that runway degradation could now result in engine malfunctions leading to catastrophic consequences.</li> <li>Construct a low fence with adequate gates to stop animals</li> </ul>		
<b>Social Benefits:</b>	<b>Short Term:</b>		
	<ul style="list-style-type: none"> <li></li> </ul>		
<b>Economic Benefits:</b>	<b>Long Term:</b>		
	<ul style="list-style-type: none"> <li></li> </ul>		
<b>Environmental benefits:</b>	<b>Short Term:</b>		
	<ul style="list-style-type: none"> <li>Potential water collection from runway</li> </ul>		
<b>Alignment with National / Corporate Objectives:</b>	<b>Long Term</b>	<ul style="list-style-type: none"> <li>Reliable and economical passenger and freight services provided</li> <li>ICAO Standards maintained</li> </ul>	
	<b>Short Term</b>	<ul style="list-style-type: none"> <li>Refurbish and develop civil aviation infrastructure</li> <li>Airport safety and security standards meet minimum international requirements</li> </ul>	
	<b>Cross Sector</b>	<ul style="list-style-type: none"> <li>Limited tourism, fisheries exports</li> </ul>	
<b>Project Type:</b>	<input type="checkbox"/> New Infrastructure <input checked="" type="checkbox"/> Upgrade/Replace Existing <input type="checkbox"/> Refurbish Existing		
<b>Project Stage:</b>	<input type="checkbox"/> Concept	<input type="checkbox"/> Planning	<input checked="" type="checkbox"/> Design <input type="checkbox"/> Ready to Start
<b>Environmental Category:</b>	<input checked="" type="checkbox"/> A – No impact <input type="checkbox"/> B – Minor impact <input type="checkbox"/> C – Severe Impact <b>Explain:</b> No change in existing.		
<b>Land Requirement:</b>	None		

## PROJECT FINANCING

Capital Cost estimate:	Pre-Construction	Construction	Annual R&M	Operating	Whole of Life
	\$110,000	\$3,800,000	\$370,000	\$	\$
Potential User Charges?	<input checked="" type="checkbox"/> Yes	% of Full Cost Recovery		% of O&M	
	<input type="checkbox"/> No				
Implementation Timing:					

	<input checked="" type="checkbox"/> Immediate <input type="checkbox"/> 2012-2014 <input type="checkbox"/> 2014+
<b>Financing Stage</b>	<input type="checkbox"/> None <input checked="" type="checkbox"/> Committed by Government <input type="checkbox"/> Funded by Donor
<b>Financing Source</b>	Capital: O&M:

# Project Profile

## PROJECT DESCRIPTION

<b>A3</b>	<b>DME Replacement</b>			
<b>Sector:</b>	Air Transport			
<b>Responsible Agency:</b>	Department of Civil Aviation			
<b>Background/ Rationale:</b>	<ul style="list-style-type: none"> <li>The DME (Distance Measuring Range) provides guidance for aircraft approaching Nauru.</li> <li>It is currently close to the end of its serviceable life and needs immediate replacement</li> </ul>			
<b>Social Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Air services</li> <li>Safety for all passengers and residents.</li> </ul>			
	<b>Long Term:</b> <ul style="list-style-type: none"> <li>Improved air connection</li> </ul>			
<b>Economic Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Air Services</li> <li>Provides needed revenue from high altitude over flights.</li> </ul>			
	<b>Long Term:</b> <ul style="list-style-type: none"> <li></li> </ul>			
<b>Environmental benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li></li> </ul>			
	<b>Long Term:</b> <ul style="list-style-type: none"> <li></li> </ul>			
<b>Alignment with National / Corporate Objectives:</b>	<b>Long Term</b>	<ul style="list-style-type: none"> <li>Reliable and economical passenger and freight services provided</li> <li>ICAO Standards maintained</li> </ul>		
	<b>Short Term</b>	<ul style="list-style-type: none"> <li>Refurbish and develop civil aviation infrastructure</li> <li>Airport safety and security standards meet minimum international requirements</li> </ul>		
	<b>Cross Sector</b>	<ul style="list-style-type: none"> <li>Limited tourism, fisheries exports</li> </ul>		
<b>Project Type:</b>	<input type="checkbox"/> New Infrastructure <input checked="" type="checkbox"/> Upgrade/Replace Existing <input type="checkbox"/> Refurbish Existing			
<b>Project Stage:</b>	<input type="checkbox"/> Concept	<input checked="" type="checkbox"/> Planning	<input checked="" type="checkbox"/> Design	<input type="checkbox"/> Ready to Start
<b>Environmental Category:</b>	<input checked="" type="checkbox"/> A – No impact <input type="checkbox"/> B – Minor impact <input type="checkbox"/> C – Severe Impact			
<b>Land Requirement:</b>	None			

## PROJECT FINANCING

Capital Cost estimate:	Pre-Construction	Construction	Annual R&M	Operating	Whole of Life
	\$20,000	\$400,000	\$50,000	\$5,000	\$
<b>Potential User Charges?</b>	<input checked="" type="checkbox"/> Yes	% of Full Cost Recovery		% of O&M	
	<input type="checkbox"/> No				
<b>Implementation Timing:</b>	<input checked="" type="checkbox"/> Immediate <input type="checkbox"/> 2012-2014 <input type="checkbox"/> 2014+				
<b>Financing Stage</b>	<input type="checkbox"/> None <input checked="" type="checkbox"/> Committed by Government <input type="checkbox"/> Funded by Donor				
<b>Financing Source</b>	Capital: O&M:				

# Project Profile

## PROJECT DESCRIPTION

<b>BH3</b>	<b>New Hospital</b>			
<b>Sector:</b>	Health			
<b>Responsible Agency:</b>	Health			
<b>Background/ Rationale:</b>	<ul style="list-style-type: none"> <li>The design and age of the current hospital is not adequate</li> <li>Engagement of specialist health planners has been approved by AusAID, ensuring that the design will adequately address the key projected health demands of Nauru's population.</li> </ul>			
<b>Social Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Improved health</li> <li>Ability to undertake better procedures</li> </ul>			
	<b>Long Term:</b> <ul style="list-style-type: none"> <li></li> </ul>			
<b>Economic Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>More efficient procedures, and coordination of administration and patient management</li> </ul>			
	<b>Long Term:</b> <ul style="list-style-type: none"> <li>Healthy population contributes to economy</li> </ul>			
<b>Environmental benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>nil</li> </ul>			
	<b>Long Term:</b> <ul style="list-style-type: none"> <li>nil</li> </ul>			
<b>Alignment with National / Corporate Objectives:</b>	<b>Long Term</b>	<ul style="list-style-type: none"> <li>New Hospital by 2015</li> </ul>		
	<b>Short Term</b>	<ul style="list-style-type: none"> <li>Adequate health facilities for all Nauruans</li> </ul>		
	<b>Cross Sector</b>	<ul style="list-style-type: none"> <li></li> </ul>		
<b>Project Type:</b>	<input type="checkbox"/> New Infrastructure <input checked="" type="checkbox"/> Upgrade/Replace Existing <input type="checkbox"/> Refurbish Existing			
<b>Project Stage:</b>	<input type="checkbox"/> Concept	<input checked="" type="checkbox"/> Planning	<input type="checkbox"/> Design	<input type="checkbox"/> Ready to Start
<b>Environmental Category:</b>	<input type="checkbox"/> A – No impact <input checked="" type="checkbox"/> B – Minor impact <input type="checkbox"/> C – Severe Impact <b>Explain:</b> May require new land areas, with subsequent impact. Facilities may produce hazardous waste			
<b>Land Requirement:</b>	Possible if new site is determined as necessary			

## PROJECT FINANCING

Capital Cost estimate:	Pre-Construction	Construction	Annual R&M	Operating	Whole of Life
	\$600,000	\$12,000,000	saves \$1,000,000	\$	\$
<b>User Charges?</b>	<input type="checkbox"/> Yes	% of Full Cost Recovery		% of O&M	
	<input type="checkbox"/> No				
<b>Implementation Timing:</b>	<input type="checkbox"/> Immediate <input checked="" type="checkbox"/> 2012-2014 <input type="checkbox"/> 2014+				
<b>Financing Stage</b>	<input type="checkbox"/> None <input checked="" type="checkbox"/> Committed by Government <input type="checkbox"/> Funded by Donor				
<b>Financing Source</b>	Capital: O&M:				

# Project Profile

## PROJECT DESCRIPTION

<b>M2</b>	<b>All Vessel Quay Wall &amp; Anibare Moorings</b>		
<b>Sector:</b>	Maritime		
<b>Responsible Agency:</b>	Ports Authority		
<b>Background/ Rationale:</b>	<ul style="list-style-type: none"> <li>While the current moorings have been upgraded, an enhanced harbor would be safer and more reliable and efficient for operations.</li> <li>Design allows for quay and causeway for all ships.</li> <li>As not all weather port,</li> <li>An All-vessel quay wall (M2c) constructed on the edge of the reef beneath the phosphate cantilevers.</li> <li>Accommodates all vessels visiting Nauru.</li> <li>Cannot provide an all-weather port , so existing moorings would be moved to Anibare for reduced number of days where port operations are not possible</li> <li>It dispenses with the need for the current mooring buoys for all ships</li> <li>This solution is not able to serve as an initial stage for a larger enclosed harbor (M2b) because of space limitations at this site.</li> </ul>		
<b>Social Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Reduced prices for goods due to lower demurrage</li> </ul> <b>Long Term:</b> <ul style="list-style-type: none"> <li>Improved access for regular shipping line</li> </ul>		
<b>Economic Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Significant maintenance cost savings.</li> <li>Can be used for phosphate and aggregate loading if cantilevers not operating</li> </ul> <b>Long Term:</b> <ul style="list-style-type: none"> <li>Significant maintenance cost savings.</li> <li>Provides for economic growth through ability to import and export more efficiently</li> </ul>		
<b>Environmental benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Visual amenity</li> </ul> <b>Long Term:</b> <ul style="list-style-type: none"> <li></li> </ul>		
<b>Alignment with National / Corporate Objectives:</b>	<b>Long Term</b> <ul style="list-style-type: none"> <li>Wharf and port infrastructure completed and effective vessel and cargo handling operations established</li> </ul> <b>Short Term</b> <ul style="list-style-type: none"> <li>Sector Goals- Reliable and economical passenger and freight services provided</li> <li>Strategy: Refurbish and develop port infrastructure for vessel handling</li> </ul> <b>Cross Sector</b> <ul style="list-style-type: none"> <li>Economic, mining</li> </ul>		
<b>Project Type:</b>	<input checked="" type="checkbox"/> New Infrastructure <input type="checkbox"/> Upgrade/Replace Existing <input type="checkbox"/> Refurbish Existing		
<b>Project Stage:</b>	<input type="checkbox"/> Concept	<input checked="" type="checkbox"/> Planning	<input type="checkbox"/> Design
<b>Environmental Category:</b>	<input type="checkbox"/> A – No impact <input checked="" type="checkbox"/> B – Minor impact <input type="checkbox"/> C – Severe Impact <b>Explain:</b> Impact on reef. May be positive if cleanup also occurs		
<b>Land Requirement:</b>	None		

# PROJECT FINANCING

Capital Cost estimate:	Pre-Construction	Construction	Annual R&M	Operating	Whole of Life
	\$725,000	\$14,500,000	\$120,000	\$	\$
User Charges?	<input checked="" type="checkbox"/> Yes	% of Full Cost Recovery		% of O&M	
	<input type="checkbox"/> No				
Implementation Timing:	<input type="checkbox"/> Immediate <input checked="" type="checkbox"/> 2012-2014 <input type="checkbox"/> 2014+				
Financing Stage	<input type="checkbox"/> None <input checked="" type="checkbox"/> Committed by Government <input type="checkbox"/> Funded by Donor				
Financing Source	Capital: O&M:				

# Project Profile

## PROJECT DESCRIPTION

<b>PW1</b>	<b>O&amp;M spare parts store and workshop</b>		
<b>Sector:</b>	Water and Power		
<b>Responsible Agency:</b>	Nauru Utilities Authority		
<b>Background/ Rationale:</b>	<ul style="list-style-type: none"> <li>Currently there is no storage for much needed major spare parts and a proper workshop to maintain heavy equipment and machinery</li> <li>Cost recovery is difficult with GON subsidies for domestic users</li> <li>The equipment, plant, generators, instrumentation and controls, switch-gears, transformers and distribution network is old and being operated and maintained with increasing difficulty.</li> <li>Skill-sets are lacking locally, outages still occur although reduced, and obtaining parts is very difficult.</li> <li>Much needed major parts sometimes arrive six-months later.</li> <li>The workshop should offer as a minimum: adequate spares, readily available machined/made-to-order Ruston parts and accessories, pump and valve requirements, fleet and special-use vehicle maintenance, auto-winding, and machining capacity</li> <li>Other users will dictate final list of services provided</li> <li>No more delays of waiting for ordered spare parts</li> <li>A dedicated workshop will not only provide necessary and timely support to the power sector, but also be used for the Water Sector.</li> <li>Multi stakeholder users; GON Bus Transport fleet could also make use of this facility, as well as the Airport, the Fuel Tank Farm, Nauru Ports Authority and other entities.</li> </ul>		
<b>Social Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Less down time with power and water facilities</li> </ul> <b>Long Term:</b> <ul style="list-style-type: none"> <li></li> </ul>		
<b>Economic Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>More revenue capacity</li> </ul> <b>Long Term:</b> <ul style="list-style-type: none"> <li>Better maintained equipment</li> </ul>		
<b>Environmental benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li></li> </ul> <b>Long Term:</b> <ul style="list-style-type: none"> <li></li> </ul>		
<b>Alignment with National / Corporate Objectives:</b>	<b>Long Term</b> <ul style="list-style-type: none"> <li>Desalination plant operational</li> <li>50% Water from R/O</li> </ul>	<b>Short Term</b> <ul style="list-style-type: none"> <li>Restore capacity for water production</li> </ul>	
	<b>Cross Sector</b>	<ul style="list-style-type: none"> <li></li> </ul>	
<b>Project Type:</b>	<input type="checkbox"/> New Infrastructure <input type="checkbox"/> Upgrade/Replace Existing <input checked="" type="checkbox"/> Refurbish Existing		
<b>Project Stage:</b>	<input type="checkbox"/> Concept	<input checked="" type="checkbox"/> Planning	<input type="checkbox"/> Design <input type="checkbox"/> Ready to Start
<b>Environmental Category:</b>	<input checked="" type="checkbox"/> A – No impact <input type="checkbox"/> B – Minor impact <input type="checkbox"/> C – Severe Impact <b>Explain:</b> Improved		
<b>Land Requirement:</b>	none		



# PROJECT FINANCING

Capital Cost estimate:	Pre-Construction	Construction	Annual R&M	Annual Operating	Whole of Life
	\$20,000	\$3,000,000	\$150,000	\$20,000 saving	\$
User Charges?	<input checked="" type="checkbox"/> Yes	% of Full Cost Recovery		% of O&M	
	<input type="checkbox"/> No				
Implementation Timing:	<input checked="" type="checkbox"/> Immediate <input type="checkbox"/> 2012-2014 <input type="checkbox"/> 2014+				
Financing Stage	<input checked="" type="checkbox"/> None <input type="checkbox"/> Committed by Government <input type="checkbox"/> Funded by Donor				
Financing Source	Capital: O&M:				

# Project Profile

## PROJECT DESCRIPTION

<b>S3</b>	<b>Pump Out "Alternative Disposal Options" Sludge Recycling Project</b>		
<b>Sector:</b>	Sanitation		
<b>Responsible Agency:</b>	CIE / NRC		
<b>Background/ Rationale:</b>	<ul style="list-style-type: none"> <li>Despite the success of the sludge truck operated by NRC, the inherent health and environmental risks of pump out near Location are enormous.</li> <li>Alternatives are sought for disposal of the sludge.</li> <li>Additional Sludge Trucks required as IWRM Demonstration Project is increasing the numbers of households with improved designs of enclosed Septic Tank to reduce groundwater contamination</li> <li>Potential for composting or biogas facility</li> <li>Waste Water recycling for Nurseries and other industrial needs reducing over extraction of ground water resources</li> <li>Reduce water demands from utilities</li> <li>Better design sewage outfall for sludge disposal and Location.</li> </ul>		
<b>Social Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Immediate improvement to the environment</li> </ul> <b>Long Term:</b> <ul style="list-style-type: none"> <li>Healthy community, clean environment and good living</li> </ul>		
<b>Economic Benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Minimising cost of living</li> </ul> <b>Long Term:</b> <ul style="list-style-type: none"> <li>Provide cost-effective measures through conjunctive water use</li> <li>Cost-effective alternative form of energy</li> <li>Improved quality of locally grown produce</li> <li>User Pays services</li> <li>Opportunity for Micro Business</li> </ul>		
<b>Environmental benefits:</b>	<b>Short Term:</b> <ul style="list-style-type: none"> <li>Building communities resilience</li> <li>Immediate improvement to the environment</li> </ul> <b>Long Term:</b> <ul style="list-style-type: none"> <li>Improved quality of groundwater supply</li> <li>Healthy and sustainable Marine resources</li> <li>Healthy and cleaner environment</li> </ul>		
<b>Alignment with National / Corporate Objectives:</b>	<b>Long Term</b> <ul style="list-style-type: none"> <li>Raw sewerage and grey water properly managed</li> </ul>	<b>Short Term</b> <ul style="list-style-type: none"> <li>Sewerage treatment and grey water recycling options determined</li> </ul>	<b>Cross Sector</b> <ul style="list-style-type: none"> <li></li> </ul>
<b>Project Type:</b>	<input checked="" type="checkbox"/> New Infrastructure <input type="checkbox"/> Upgrade/Replace Existing <input type="checkbox"/> Refurbish Existing		
<b>Project Stage:</b>	<input checked="" type="checkbox"/> Concept	<input type="checkbox"/> Planning	<input type="checkbox"/> Design
<b>Environmental Category:</b>	<input type="checkbox"/> A – No impact <input checked="" type="checkbox"/> B – Minor impact <input type="checkbox"/> C – Severe Impact <b>Explain:</b> Positive Impact		
<b>Land Requirement:</b>	Yes - NRC		

**PROJECT FINANCING S3**

<b>Capital Cost estimate:</b>	<b>Pre-Construction</b>	<b>Construction</b>	<b>Annual R&amp;M</b>	<b>Annual Operating</b>	<b>Whole of Life</b>
	<b>\$100,000</b>	<b>\$500,000</b>	<b>\$50,000</b>	<b>\$30,000</b>	<b>\$</b>
<b>User Charges?</b>	<input checked="" type="checkbox"/> Yes	<b>% of Full Cost Recovery</b>		<b>% of O&amp;M</b>	
	<input type="checkbox"/> No				
<b>Implementation Timing:</b>	<input type="checkbox"/> Immediate <input checked="" type="checkbox"/> 2012-2014 <input type="checkbox"/> 2014+				
<b>Financing Stage</b>	<input checked="" type="checkbox"/> None <input type="checkbox"/> Committed by Government <input type="checkbox"/> Funded by Donor				
<b>Financing Source</b>	Capital: O&M:				

# Project Profile

## PROJECT DESCRIPTION

<b>W4</b>	<b>Water Delivery Upgrade - Additional Water tankers</b>			
<b>Sector:</b>	Water Supply			
<b>Responsible Agency:</b>	Nauru Utilities Authority			
<b>Background/ Rationale:</b>	<ul style="list-style-type: none"> <li>During dryer spells, storage is limited, as demand exceeds what can be supplied, and the trucks are overworking and unable to meet the daily delivery schedule</li> <li>To procure an additional of 3 water tankers trucks (1x 10k, 2x 4k) to enable and accommodate the water demand, production and storage</li> <li>Direct access of potable water to the individual water tank storage</li> <li>No individual pumping system required</li> </ul>			
<b>Social Benefits:</b>	<b>Short Term:</b>			<ul style="list-style-type: none"> <li>Increased delivery of water, and can reduce delivery backlog with improved or augmented delivery fleet and networks.</li> <li>No more queuing for potable water collection at NUA</li> <li></li> </ul>
	<b>Long Term:</b>			<ul style="list-style-type: none"> <li>Decrease potable water demand with NUA</li> </ul>
<b>Economic Benefits:</b>	<b>Short Term:</b>			<ul style="list-style-type: none"> <li>Industrial and economic returns if water supply is more reliable.</li> </ul>
	<b>Long Term:</b>			<ul style="list-style-type: none"> <li></li> </ul>
<b>Environmental benefits:</b>	<b>Short Term:</b>			<ul style="list-style-type: none"> <li></li> </ul>
	<b>Long Term:</b>			<ul style="list-style-type: none"> <li></li> </ul>
<b>Alignment with National / Corporate Objectives:</b>	<b>Long Term</b>	<ul style="list-style-type: none"> <li>Regular supply of water available to each household and business</li> </ul>		
	<b>Short Term</b>	<ul style="list-style-type: none"> <li>Regular supply of water available to each household and business</li> <li>Easy access and reliable water supply</li> </ul>		
	<b>Cross Sector</b>	<ul style="list-style-type: none"> <li>Other sectors can benefit eg Transport – Aviation, Power Sector.</li> </ul>		
<b>Project Type:</b>	<input checked="" type="checkbox"/> New Infrastructure <input type="checkbox"/> Upgrade/Replace Existing <input type="checkbox"/> Refurbish Existing			
<b>Project Stage:</b>	<input checked="" type="checkbox"/> Concept	<input checked="" type="checkbox"/> Planning	<input type="checkbox"/> Design	<input type="checkbox"/> Ready to Start
<b>Environmental Category:</b>	<input checked="" type="checkbox"/> A – No impact <input type="checkbox"/> B – Minor impact <input type="checkbox"/> C – Severe Impact			
<b>Land Requirement:</b>	No			

# PROJECT FINANCING

<b>Capital Cost estimate:</b>	<b>Pre-Construction</b>	<b>Construction</b>	<b>Annual R&amp;M</b>	<b>Annual Operating</b>	<b>Whole of Life</b>
	<b>\$10,000</b>	<b>\$500,00</b>	<b>\$75,000</b>	<b>\$100,000</b>	<b>\$</b>
<b>User Charges?</b>	<input checked="" type="checkbox"/> Yes	<b>% of Full Cost Recovery</b>		<b>% of O&amp;M</b>	
	<input type="checkbox"/> No				
<b>Implementation Timing:</b>	<input type="checkbox"/> Immediate <input checked="" type="checkbox"/> 2012-2014 <input type="checkbox"/> 2014+				
<b>Financing Stage</b>	<input checked="" type="checkbox"/> None <input type="checkbox"/> Committed by Government <input type="checkbox"/> Funded by Donor				
<b>Financing Source</b>	Capital: O&M:				