



NATIONAL INFORMATION & COMMUNICATIONS
TECHNOLOGY AUTHORITY

Universal Access and Service Projects for 2020

Date of Submission: 15th September 2020

Project Proposal Form – FORM 002

(All project proposals submitted MUST follow this format and sequence. Projects proposals which do not follow this format and sequence may not be considered. All questions must be answered)

Applicant Information			
Name	GAIKOVINA KULA		
Organization	ENOVA FOUNDATION INC.	Type of Organization:	
		<input type="checkbox"/> Community/Village/Education Institution <input type="checkbox"/> Government <input type="checkbox"/> Private <input checked="" type="checkbox"/> NGO <input type="checkbox"/> Other	
Position	MANAGING DIRECTOR		
Mailing Address	PO Box 589, Gordons, NCD, Port Moresby		
Telephone	(675) 71003500	Fax	N/A
Email	enova99.enquiry@gmail.com		
Project Information			
Project Title	Community Media Platform		
Project Location			
Province	CENTRAL		
District	ABAU		
LLG	Aroma Coast Rural LLG		
Ward	Paramana		
Project summary			

In PNG, our main means of **local communication** is through words of mouth, which can easily get twisted facts involved and outdated. Thus, we assume that the local community cannot properly assess current news, especially in light of the covid-19 situation.

Our proposal is to pilot a **community media platform** for Ward Councillors in the **Keakalo Village** area to effectively and accurately disseminate the information using innovation in technology. Our goal is to first trial in a community of five wards and will require the appropriate buy-in from local stakeholders and employ the youth. The proposed project will be **the Content development and e-Applications** project. Our goal is to encourage **ICT Applications and Content** and also touch on **Digital Literacy**.

We would like to align with ICT development objectives, to ensure that citizens and communities are able to gain the most benefits from the installation and availability of advanced broadband ICT networks and services. Our scope is to involve potential uses for individuals, families, small businesses within a local community.

Project Cost	Requested Amount	Own funding
K500,000.00 (refer 5.3.1 &2 Strategy Plan)	K250,000.00	K0.00

Duration of the Project

From JANUARY 2021 To DECEMBER 2021

(The project is to be concluded within 12 months from the date of announcement of selection by the NICTA (UAS Secretariat)

12 Months

Contact Point Information (If contact point is different from the applicant, please fill in as follows)

Name	Emily Lea		
Organization	Enova Software Solutions		
Address	PO Box 589, GORDONS, NCD		
Position	General Manager		
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Email	enova99.enquiry@gmail.com		

Date 14 September 2020

Signature



Project Details

Please describe outline of the pilot project	
Objectives	Develop a Community Media Platform using Innovative Technology and Conducting a Community Needs Assessment on the impact of Covid-19.
Purpose of Project	Using Data Collection to drive quality, inclusive delivery of media through Wariramanu Platform for community news.

Outline of pilot project

Building a Health Database: Identify and select health facilities and Ward Data Collectors to participate in the case study. We will create sample data collection to Identify and agree on Health facilities like aid-post, clinics, and hospitals and Ward Data Collectors to record every births and deaths data to provide key ICT indicators to each facilities. Such key indicators may include solar panels for charging the smart mobile phone, and tablet and light.

Data collection equipment & Consultants;

1. Smart mobile phones with QR codes
2. Ipad, imac and smart tablets with QR codes
3. Laptops
4. TV / Monitor screens
5. Printer and Paper

Logistics & Venue hire

1. Vehicle

Training Workshops and Local Engagement: Working closely with the Abau District Development Authorities (DDA) and 5x Ward Councillors to support the conduct of the survey. The survey is to measure the health faculty and Individual ICT indicators and to up-skill basic ICT skills and create employment opportunities as data collectors and media translators.

Data collection equipment & Consultants;

1. Ipad, iMac, Smart mobile phones and tables with QR codes

Training equipment;

1. White board and markers
2. Stationary Consumables (Folder-able tables and chairs)
3. Internet access equipments (ISP)

Logistics & Venue hire etc

1. Vehicle

Content Creation and Usage: Develop and maintain positive and respectful work culture that is ensured to understand the power of media and education. The use of our project – Wariramanu Platform, a Community media news will be design and communicated. These will require quality mobile phones with high resolutions and related media equipment.

Digital Media equipment & Consultants

1. Internet access equipment (ISP)
2. Web page (website)
3. Solar Panel, converters and Batteries
4. Power cables consumables
5. Mobile phones, tablets, laptops ipad
6. Camera, podcast, media consumables

Appropriateness of the Project	<p>Needs analysis (what is the problem, development opportunity, priorities that project seeks to address)</p> <p>The PNG's Population has increased dramatically over the last decade with a growth rate of 3.1% annually contributing to a growing youth population.</p> <p>Furthermore, the PNG MTD II Plan 2018 – 2022 implements the UN Sustainable Development Goals (SDG). Unfortunately, PNG lacks reliable, quality and real time facts to track and monitor the MTD III and the Sustainable Development Goals (SDGs) planning such as providing evidence. Communities need timely information to create a new market for media information and communication at the community level. Our ICT Platform can be used in emergency case, earthquakes, flooding and food security and other important national events such as Census and socio-economic studies.</p> <p>We plan to perform a case study in Keakalo Villages Court Area, Central Province. As shown in the map, village is located about 150km south east of Port Moresby and is accessible by Magi highway and sea.</p>
Number of Persons benefiting from the project	<p>The people of Abau and Rigo who speak in aroma language and similar dialect. The Keakalo Villages Court Area has an estimated population of 8,132 people.</p> <p>With all different stages of our pilot project, we will provide employment opportunities for the youth (as data collectors and content creators). Our scope is the involve potential uses for individuals, families, small businesses within a local community.</p>
Project Benefits	<p>The Community Platform will help pilot a media outlet for local language media creation and dissemination to the local community. Apart from the project output, the project will engage and provide employment benefits for the community, provide entrepreneurial participation opportunities and sharing information on health, covid19 Niupela Pisin.</p>
Partner organizations/ institutions (if any)	<p>eNova Software Solutions, Nawale Development Group (CBO), PNG Digital ICT Cluster (NGO)</p>
Milestone(significant phases of the project)	<p>There are five (5) milestones that we envision in the project. First, Assessment of the community needs – Provide a survey to understand the feasibility of the implementation. Second, Technical input – we detail the technical vigor needed to construct the ICT platform and what technical skills required for content creation for the community. Third, Training and workshops – Engage the community in training and implementation of the media content for the ICT platform.</p>
Expected output	<ol style="list-style-type: none"> 1. Data Collection Results on the current state of ICT media (tools and skills) in the community. 2. Workshop Results (Training for Content Creation) and Agreement between Community leader stakeholders. 3. Creation a pilot ICT Platform for content creation and consumption for the local community. 4. Youth Employment and Entrepreneurial opportunities

<p>Project Risks</p>	<p>What are the risks to the Project? How will they be overcome or managed? (See management table)</p> <p>Risk -List all possible risks you can think of</p> <table border="0"> <thead> <tr> <th></th> <th>Consequence</th> <th>Probability</th> <th>Risk Management/Mitigation plan</th> </tr> </thead> <tbody> <tr> <td></td> <td>4 – Extreme</td> <td>4-Almost certain</td> <td></td> </tr> <tr> <td></td> <td>3 – High</td> <td>3-Likely</td> <td></td> </tr> <tr> <td></td> <td>2 – Medium</td> <td>2-Positive</td> <td></td> </tr> <tr> <td></td> <td>1 -Low</td> <td>1-Unlikely</td> <td></td> </tr> </tbody> </table> <p>Lack of political or administrative support</p> <table border="0"> <tr> <td>2</td> <td>2</td> <td>Pandemic coronavirus, Make awareness on preventative measures</td> </tr> </table> <p>Land not secured</p> <table border="0"> <tr> <td>1</td> <td>1</td> <td>Surveys results are not conclusive. Sampling of quick survey along the 5 villages</td> </tr> </table> <p>Security</p> <table border="0"> <tr> <td>1</td> <td>1</td> <td>Workshop lacks community leaders. Currently in talks to get a MoU from leaders.</td> </tr> </table> <p>Project Equipment Personalised</p> <table border="0"> <tr> <td>1</td> <td>2</td> <td>Media content is not adopted by community. Added Advertising to help community is needed.</td> </tr> </table> <p>Lack of community support</p> <table border="0"> <tr> <td>3</td> <td>3</td> <td>Ward Councillors are required to sign a MoU</td> </tr> </table> <p>Maintenance & recurrent costs</p> <table border="0"> <tr> <td>1</td> <td>3</td> <td>Media Content Team not formed. Additional funding from subscriptions and advertisement agreements will be pushed to sustain platform.</td> </tr> </table>		Consequence	Probability	Risk Management/Mitigation plan		4 – Extreme	4-Almost certain			3 – High	3-Likely			2 – Medium	2-Positive			1 -Low	1-Unlikely		2	2	Pandemic coronavirus, Make awareness on preventative measures	1	1	Surveys results are not conclusive. Sampling of quick survey along the 5 villages	1	1	Workshop lacks community leaders. Currently in talks to get a MoU from leaders.	1	2	Media content is not adopted by community. Added Advertising to help community is needed.	3	3	Ward Councillors are required to sign a MoU	1	3	Media Content Team not formed. Additional funding from subscriptions and advertisement agreements will be pushed to sustain platform.
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<p>Reporting Procedure</p>	<p>We will provide narrative monthly reporting and show the milestones evidence to NICTA.</p>																																						
<p>Linkage to existing Government development policies</p>	<p>The Medium-Term Development Plan III (2018-2022) on ICT - We understand that ICTs are a fundamental component in achieving of the Sustainable Development Goals (SDGs) and in our case study the objective is to provide reliable, quality and real time facts.</p> <p>NICTA Strategic Planning Report (2018-2022) - The two main components that we will continue to includes 1. ICT Application and Content 2. Digital Literacy programs</p> <p>National Broadband Plan 2014 - Our pilot project contributes to the implementation of the Broadband Policy by reaching more people. It promotes social inclusion as people build and reinforce communities to be online, and supports the reach and interactions of individuals and groups.</p>																																						
<p>Financial Support</p>	<p>Financial support from the organisation/community/provincial governments/or any other source (if any):</p> <p>nil</p> <p>How will the project be supported by your organisation/community/provincial government/administration?</p> <p>We plan to secure other grants to continue the project.</p>																																						

Types of Projects That May Be Proposed

Program 01: Mobile Broadband Expansion and Upgrade

Under this program, the type of project that can be proposed are;

- Extension of broadband mobile services to unserved and underserved areas
- Upgrade of 2G network (voice + data) to 3G/4G network and
- Increase network backhaul capacity to cater for the increase traffic due to expansions and upgrades

Program 02: Community and Institutional Broadband Networks

The type of project that can be proposed are;

- 1) Broadband Network Access and Service
 - Expansion of national backbone network infrastructure:
 - Establishment of local broadband access network connections
 - Provision of public broadband communication services
- 2) Institutional Connectivity – Education, Health Facilities, Local Government Offices, Agriculture Centers
- 3) Community Information and Communications Technology Centers (CICs)
 - CIC construction, equipment, installation:
 - CIC operation and management:

Program 03: ICT for Future Growth

Type of projects that can be proposed are;

- 1) ICT Applications and Content
 - Original and translated web sites and other materials presented in local, indigenous languages, highlighting information of greatest interest to populations who speak these languages.
 - Information content made specifically for and by local community users, sharing local knowledge, history, and culture, as well as business and government information, ideally developed by local users themselves.
 - Projects focused on graphic interface, audio-video, and other non-written content aimed at engaging and assisting non-literate users; similar applications and content for disabled or uneducated users.
 - Entrepreneurial ventures focusing on creating innovative applications for mobile and smart phones, tablets, and other new devices.
- 2) Digital Literacy
 - Training classes and workshops
 - Public relations and awareness building programs
 - Entrepreneurial assistance and incubation initiatives
 - ICT applications and content development programs
 - Community-based technical support resources
 - Public administration training and application development

Program 04: Expansion and Upgrade of Broadcasting Network Coverage

Type of projects that can be proposed are;

- Expansion of free to view Digital Broadcasting (TV) Services to unserved areas
- Upgrade from analogue free to air broadcasting services to free to view Digital broadcasting services (TV)
- Expansion of free to air Radio broadcasting services to the unserved areas

Indicative Project Areas

Program 01: Mobile Broadband Expansion and Upgrade.

- Indicative project areas for 4G greenfield and Upgrade from 2G are prioritized from the maximum unserved population to minimum unserved served

- For Greenfield**

Region	Province	Uncovered Population	% Uncovered Population
Momase	Morobe	141,349	20.95%
Momase	East Sepik	118,238	26.24%
Southern	Milne Bay	94,946	34.34%
Momase	Madang	90,542	18.33%
Highlands	Eastern Highlands	89,936	15.51%
Highlands	Southern Highlands	85,300	16.72%
Momase	West Sepik	83,487	33.61%
Highlands	Enga	79,803	18.47%
Southern	Western	72,464	35.99%
Southern	Central	58,412	21.65%
Highlands	Hela	55,413	22.21%
Southern	Gulf	54,846	34.67%
Islands	East New Britain	52,257	15.91%
Islands	West New Britain	51,129	19.35%
Islands	Bougainville	48,644	19.51%
Highlands	Chimbu	44,576	11.84%
Southern	Oro	36,802	19.75%
Highlands	Western Highlands	35,232	9.71%
Highlands	Jiwaka	33,615	9.77%
Islands	New Ireland	29,314	15.11%
Islands	Manus	10,797	17.85%
Southern	National Capital District	878	0.24%

- For Upgrade**

Region	Province	3G Upgrade Uncovered Population	% 3G Upgrade Uncovered Population
Highlands	Eastern Highlands	291,003	50.19%
Momase	Morobe	240,062	35.57%
Momase	Madang	223,138	45.18%
Momase	East Sepik	148,575	32.98%
Highlands	Chimbu	139,066	36.94%
Highlands	Enga	122,332	28.31%
Southern	Milne Bay	113,122	40.91%
Islands	Bougainville	112,430	45.09%
Momase	West Sepik	91,195	36.71%
Islands	New Ireland	85,574	44.10%
Southern	Central	78,045	28.93%
Highlands	Southern Highlands	76,121	14.92%
Southern	Western	72,357	35.94%
Southern	Oro	71,628	38.45%
Highlands	Hela	70,872	28.41%
Islands	West New Britain	58,639	22.19%
Southern	Gulf	56,184	35.52%
Islands	East New Britain	54,012	16.45%
Highlands	Jiwaka	49,730	14.46%

Islands	Manus	27,966	46.24%
Highlands	Western Highlands	14,066	3.88%
Southern	NCD	0	0.00%
Program 02: Community and Institutional Broadband Networks			
<ul style="list-style-type: none"> • The target project areas are learning institutions, local government institutions, local healthcare facilities and community base set ups who are ICT ready such as; <ul style="list-style-type: none"> ✓ Universities ✓ Colleges ✓ Technical and Vocational Schools ✓ National High Schools ✓ Primary and Secondary Schools ✓ Private/public setups ✓ Villages/communities <p>ICT readiness refers to the basic infrastructure that the institution must have such as reliable power, ICT teachers, funding to help sustain, rooms for computers among others.</p>			
Program 03: ICT for Future Growth			
<ul style="list-style-type: none"> • Target project areas include; <ul style="list-style-type: none"> ✓ Universities with content creation programs/projects ✓ Technical Colleges with content creation programs/projects ✓ Local entrepreneurs with content creation programs/projects 			
Program 04: Expansion and Upgrade of Broadcasting Network Coverage			
<ul style="list-style-type: none"> • The target project areas include; <ul style="list-style-type: none"> ✓ Unserved free to view (Digital Television) services areas in PNG; ✓ Unserved free air Radio Broadcasting Services in PNG 			

Figure 1. Location of the Project Area

