Universal Access and Service Projects for 2020

Date of Submission: June 2019

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	John EZEKIEL

Organization **Kopun Minto Rural Development Association**	**Type of Organization:** ☑ Community/Village/Education Institution ☐ Government ☐ Private ☐ NGO ☐ Other
Position	Association Chairman
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Project Information	
Project Title	**Need TV disk, Radio towers and Digicel and Telekom Network coverage and building more towers in Jimi district**
Project Location	
Province	JIWAKA
District	JIMI
LLG	KOL
Ward	GEPAL COUNCIL WARD, Mokni Council Ward and KOINAMBE COUNCIL WARD(Three towers need to be built in the respective council ward)

Project summary

The pilot project is all about building three towers with the amount exceeding k500 000.00. We do not have any funds to support and solely depend and request in this proposal to fund direct. The amount may jump to a million of kina because costing and scoping are yet to be done.

Project Cost	Requested Amount	Own funding
K500 000.00	K500 000	K0.00

Duration of the Project

From June 2019 To May 2020

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

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

Name	
Organization	
Address	
Position	

Telephone		Fax	

Email	

	Date	6 June 2019

Signature

Project Details

Please describe outline of the pilot project	
Objectives	The objective of the pilot project is to build towers (TV, RADIO, CELL PHONE) in three identified areas so people in Jimi District must have access to the full network coverage. Right now our 50 000 total population are left behind to update information's.
Purpose of Project	Build Total of three telecommunication and TV and Radio towers in Jimi district and give information access to those remote areas.
Outline of pilot project	Project description including equipment, networks / systems/ design and schematics needed for the Project. To be honest I cannot fill this part of the section. I identified the need, and I talked with my association members last holiday. We need to do a scoping and design to meet the project approval date but will only do under the supervision and assistant through the expert point of view. We are just a local or village organization that supply raw information that need to be address. Moreover, I as a chairman and currently studying in DWU, I can take lead if logistic are provided to go and do the feasibility study as per requested. Below is the brief outline of what to do: • 50 000 populations (2011 census) do not have access to telecommunication. They still use 3G broadband but covered some parts of the district. • Zero access to RADIO and Television where we need urgent help. • Land has been identified to build base and towers free of charge. • Scope are yet to be done. • There are no funds to build. Solely defend on the AID and counter funding to execute the pilot project. • No Policy from Jimi elected leaders on ICT development. Jimi has no ICT future

Appropriateness of the Project	The extent to which the Project can support and improve the lives of persons in the project areas evidenced by • Needs analysis (what is the problem, development opportunity, priorities that project seeks to address) **Answer:** When we are heading into development stages in all sectors, I see Jimi district left behind. They do not have a secondary school, no TVET, no upgrade roads, no district offices and not even excess to current issues and news through print and social media. During the election counting, State of origin or VONC, people move to Banz , Provincial town to have access and this cannot continue to happened. • Project details **Answer**: The identified project has a full support from the local. The three spotted mountains that the tower will be built are those that will not have charge especially land owners. We are opening our hands to get services and no fees will be charge. • Applicability to community needs **Answer:** The people in this Very remote part of our Nation have this need that no one wants to help. They also do not know where they will get help from and how to do it too. I was fortunate to be or study here in Divine Word University where I am taking lead in doing such arrangements. People will be very happy to have access. • <ins>Project location (attach maps where appropriate)</ins> **Answer**: I attached is the link for the Jimi district Map and also the cropped map of where the project would be. Link: https://www.google.com.pg/maps/place/Tabibuga/@-5.5489752,144.3058754,91030m/data=!3m1!1e3!4m5!3m4!1s0x6859199ec4021cd5:0x827551b3896d20bf!8m2!3d-5.5484041!4d144.5820828?hl=en
Number of Persons benefiting from the project	**How many persons would directly and indirectly be benefitting from the project evidenced by** • **Proposed number of participants (50 000 plus people and those**
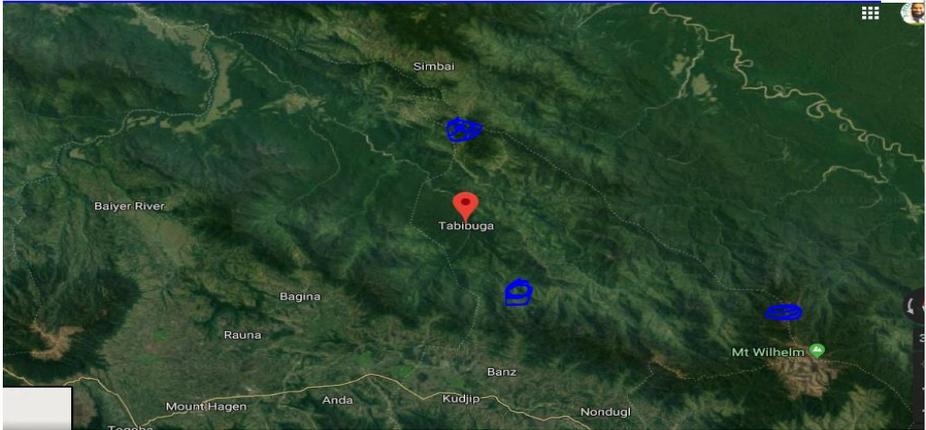
	public servants working in Jimi district will benefiting)
	• **Project impact on the community-** The project will transform every people. They will have firsthand and current updates instead of waiting for the information's for more than two days.
	• **Provide an idea of the cross section of persons in the community to benefit from**
	• **the project** (e.g. elderly, children, public servants, students, farmers, fisherman)
	Most of the students and teachers in the 23 primary schools and public service workers will buy into this servise.It has a great potential because they will have access to the internet and will get the fresh information up to date.
Project Benefits	Population from Jimi district, Madang and Sepik people will benefit .Because of mountains, people cannot hear or see but if those towers are built in the hill tops then the coverage will reach miles of people.
Partner organizations/instit utions (if any)	Nil
Milestone(significan t phases of the project)	It is yet to go and identify and confirm those three areas. The land owner issues would not be an issue but we need to go and test the signal and also there need to sign a MOU with the customary land owners.
Expected output	
Project Risks	What are the risks to the Project? How will they be overcome or managed? (See management table)

Risk -List all possible risks you can think of	Consequence 4 – Extreme 3 – High 2 – Medium 1 -Low	Probability 4 – Almost certain 3 – Likely 2 – Positive 1 - Unlikely	Risk Management/Mitigation plan
Lack of political or administrative support	1.LOW	UNLIKELY	No disaster risk because the tower will set up in the hill tops and also politics influences will not

				affect unless the tower is counter funded by the elected MP.
	Land not secured	4.Extreme	Almost Certain	No land owner will complain. They will offer land freely because they are kindly requesting for such projects.
	Security	4.Extreme	4.Almost Certain	
	Project Equipment Personalized	Extreme	Almost Certain	If the project set up its camp and loads particular in Jimi district, people will not steal the equipment will be save
	Lack of community support	We do have community support. Full support as the place is very remote and people need services.	Unlikely	The community will contribute how best they will complete the program and project by building peace, cooperate, give free land etc. Cooperation will be very effective in those three locations.
	Maintenance & recurrent costs	There will be a cost that occurs repeatedly during the life	4.Almost certain	The three identified location do not have road connected to. The tower and set up

		of an asset, such as for periodic cleaning, guard service, or preventative maintenance. Such costs are most closely associated with facilities operations.		team will be there using bush track and for the project itself, we will need Helicopter. There will have now fuel to run the service. Solar panel would be fine.

Reporting Procedure	Provide outline of reporting
Linkage to existing Government development policies	How will the project contribute to development of the Papua New Guinea? Please explain the linkage of the project to; 1. **The Medium-Term Development Plan III (2018-2022) on ICT (Section 3.2),** **Answer:** The medium term development plan III (2018-2022) stress more on how we will go from here as an individual by 2022.Under section 3.2 it discussed more on the Domestic Context meaning how can we sustain our selves in where we come from. The National Government capture its attention to recognized more than 80% of our rural population who are subsistence based economy. The government of the day focused on or want to give back to rural based society by looking at the economic base, wealth creations, law and order issues, growth rate, and other opportunities. At one key areas where this pilot project would help is **environmental sustainability**, this project is assumed to be a sustainable one what it will cultivate environmental challenges, and create opportunities in the Fragile Economic Base. 2. **NICTA Strategic Planning Report (2018-2022),** and **Answer:** With the Proposed UAS Levy for 2018, UAS Strategic Plan (2018- 2022), Projects & Operating Plan 2018, NICTA is understood that it

took bold stand to be as a regulatory body in the country to consider and discuss with the operator licenses and new projects that will make its way up to 2022. With NICTA they have the vision for PNG telecommunications Development and JIMI district is part of this plan. With the table on PNG3G Access Gap Analysis Jimi district fall under 9.9% access to 3G. Just imagine our Country now planning to have access to 5G and yet Jimi district do not have access to 4G. If this project is executing, I am sure Jimi will not be a back page.

3. **National Broadband Plan 2014,**

Answer: With the National Broadband Policy drafted in 17th July 2013, the Government of PNG has determined that High quality, affordable and widely available broad band services are essential to the future social and economic development. With that if Jimi district is fully connected to the network, I think Jimi district will play a major role in marketing its economic goods. These include, tourism, Zoo, coffee, vanilla, online buying and selling and also have increase in production, in today's world information's is power. Meaning that Jimi people will have access to TV, Radio and Internet so you know what they will venture into new digital age markets. Currently the community access to Broadband is too slow to those that have access to in some parts of Jimi District. With the cable that will go up into Highlands will not do any changes to Jimi district unless we have full 4G broadband.

The documents are available on NICTA's Website

Financial Support	Financial support from the organization/community/provincial governments/or any other source (if any): How will the project be supported by your organization/community/provincial government/administration? • With the project potential funds from the Jiwaka provincial Government and Jimi district, I am not sure of because Last year one of our team called Jiwaka Tertiary students and Graduates association proposed one request to their office and they did not respond. Until then there is no comment on this and I think if the project reach your office would directly fund this project. In the near future we will request the political offices in the province for Logistic and arrangements. **There are no potential funds available.**

Sustainability of Project	How to ensure the sustainability of operation of the systems after this project ends? And how the results of this project may be used for enhancing development of your province/community/area?
	• If the project is complete by May next year 2020, people will have fare debate and contribute effectively both economically and social media. For example, both public servants and civil society will share wealth of knowledge, communicate well and share or pass emergency news to the responsible departments if possible and anytime. Because of the region is mountainous people take time walking long distance to pass the massage and by the time they will feel relief and this is directly part of development and transformation. The district is divided into three parts, Upper, middle and Lower Jimi so the three towers will be place within this three. This will give a clear indication that the development is really taking its course.

Please describe project implementation plan (schedule) in detail. (date, period, place, mission, etc.)

Below is the project implementation plan drawn to capture the idea on how to go and execute:

Phase	Date	Cost	Mission
PHASE ONE **Scope and rough costing**	**August-December 2019**	K5000.00(Covers travel cost, allowances, hiring the expert and borrowing of equipment and surveyor.)	To make sur the raw data is process and all information's is enter into a format where the funds look presentable and work will soon be execute.
PHASE TWO **Feasibility study**	**January to February 2020.**	K20 000.00(Involving negotiation with land owners, arranging lands department to register customary land where the tower will be build, sign MOU with NICTA and land owners, Other necessary costing)	This is the final phase to go into the real project. All outstanding doubt and discussion need to be viewed and reviewed.

| PHASE THREE

Project implementation | **March to May 2020** | K500 000.00 plus(This will initially use to build towers , transport materials, paying of seasonal workers etc. | This work will come with:

1.Mobile Broadband Expansion and Upgrade of 3G to 4G and subsides use of internet at the lowest rate.

2.The ICT future growth will focus on :Community informations and community technology centre(CICS) can do CIC construction and installation of equipment operation and management.

3.The kopun Minto Rural Development INC will assist by doing awareness how to use the services , give a short training to institution in Jimi and assist people do do online buying and selling. |

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

- The target project areas are learning institutions, local government institutions, local healthcare facilities and community base set ups who are ICT ready such as;
  - ✓ Universities
  - ✓ Colleges
  - ✓ Technical and Vocational Schools
  - ✓ National High Schools
  - ✓ Primary and Secondary Schools
  - ✓ Private/public setups
  - ✓ Villages/communities

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.

Program 03: ICT for Future Growth

- Target project areas include;
  - ✓ 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

- The target project areas include;
  - ✓ Unserved free to view (Digital Television) services areas in PNG;
  - ✓ Unserved free air Radio Broadcasting Services in PNG