Universal Access and Service Projects for 2020

Date of Submission: May 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	MR.JUKI WALDI

Organization	**Type of Organization:**
HIGHCOMS ENGINEERING LIMITED	☐ Community/Village/Education Institution ☐ Government ☑ Private ☐ NGO ☐ Other

Position	MANAGER		
Mailing Address	P.O.BOX 648,MT.HAGEN.WHP		
Telephone	5220042	**Fax**	NIL
Email	highcoms@hotmail.com		

Project Information

Project Title	**SUPPLY & INSTALLATION OF A COMPUTER WITH BROADBAND CONNECTION AT BALG COMMUNITY HEALTH POST**
Project Location:	BALG COMMUNITY HEALTH POST
Province	WESTERN HIGHLANDS PROVINCE
District	HAGEN CENTRAL
LLG	HAGEN RURAL LLG
Ward	KEME TRIBE ,KUKLIKA TRIBE,HIGHLANDS AGRICULTURE COLLEGE, KAGAMUGA TOWN & JIKA KELAMPI TRIBE

Project summary

While we are now in the computer age, a larger fraction of our population do not possess the necessary knowledge and skills to use the ITC services that are available to gain maximum benefit. This problem can be reduced by training and giving people the opportunity to use the services. People will remain IT illiterate they are denied this chance.

The provision of ITC services for health workers at Balg Community Health Post will enable them to access information on different types of heath issue, treatment options (new & improved) available drugs, medical research papers, etc. In PNG there may be new health issues appearing due to lifestyle and climate changes which can be attached with the right knowledge and that can be available on the internet. Secondly Medical staff from rural establishments within the province like their public servants counterparts would in most cases vacate place of work to attend to administration matters. This is lost work time and a financial loss to the state. With this network all administrative queries can be handled from work stations.

The ITC setup for this health facility will have one standalone computer with broadband service for all facility staff to use. Additional equipment will be a network printer for all to print documents. All equipment will be provided with backup power (UPSs) to allow users to save work during power outages. Access to prohibited sites will be achieved by installing a PC with Firewall before connecting to the desktop computer.

The WHPHA has an organizational ITC network plan in place but did not implement it due to insufficient funds. The plan was to connect all outstations to the main HUB located at the Mt. Hagen General Hospital. The Authority is pleased to see NICTA involvement to help fulfill its plans and are committing counterpart funding of 20% of the total project costs.

The WHPHA has IT personals to maintain this project and will sustain it through its annual operations costs.

Install Telikom PNG Wimax Wireles system to provide broadband service. It offer cheaper service rates as well as a telephone line to complement the broadband service.

Project Cost	Requested Amount	Own funding
K18,121.40	K14,497.12	K3,624.28

Duration of the Project
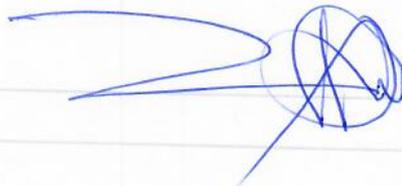
From August 2019 To August 2019

It is anticipated, this project will take at least four weeks to complete from equipment order to installation, testing and commissioning.

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

Name	MR.DAVID VORST		
Organization	WESTERN HIGHLANDS PROVINCIAL HEALTH AUTHORITY		
Address	P.O.BOX 36,MT.HAGEN.WHP		
Position	CHIEF EXECUTIVE OFFICER		
Telephone	5421166	**Fax**	5421445/5422127
Email	david.vosrt@whhs.gov.pg		

Date   27 May 2019

Signature

Project Details

Please describe outline of the pilot project	
Objectives	Provide one computer with Broadband service for Balg Community Health Post.
Purpose of Project	Offer health workers from Balg Community Health Post. The opportunity to use ITC services to improve performance and communicate with headquarter staff regarding patient care, medical supply orders and administrative functions.
Outline of pilot project	We propose to setup one standalone desktop computer with broadband connection. Additional items will be a network printer/copier/scanner for printing and photocopying work and scanner for scanning and emailing documents. Accessing prohibited sites will not be allowed on this setup. We will install PCs with Firewall to achieve that. This setup will then be configured to be part of the Western Highlands Provincial Health Authority network The entire network equipment will be supported with floor mount backup power (UPS) during power outages. This will allow users to save their last work. All thin clients will have access to broadband service for medical staff to research new and better knowledge on patient care, obtain further expert assistance from the Mt.Hagen referral hospital on patient care, ordering medical supply and administration functions. The ongoing operational costs including broadband service fees will be included in WHPHA recurrent budget. Maintenance of the setup will be the responsibility of the WHPHA IT personals. Install Telikom Wimax wireless system to access broadband service. An additional voice service is also available to complement the internet email services.
Appropriateness of the Project	We are in the computer age. Computers are used just about everywhere and every day. While a lot of countries around the globe have leaped forward in making those services available and enabling all citizen to use them fully to their advantage, this trend is lacking in PNG. One reason is the lack of knowledge on how to use it and the opportunity to use it. This project will provide the chance for health workers to improve their performance and patient care. It will also create an opportunity for computer illiterates to learn to use computers and the broadband service.
Number of Persons benefiting from the project	Balg Community Health Post serves a larger population from the Keme/Kuklika/Jika Kelampi tribes as well as staff and students of Highlands Agriculture College and Kagamuga Primary school and Kagamuga town. It is operated by 4 staff . It handles approximately 50 patients daily. This project if implemented will benefit the 6,000 plus people of Balg/Kagamuga areas and 4 staff of the clinic
Project Benefits	The benefit of having this project is improved health services and patient care for the 6,000 plus people of Balg/Kagamuga and others.
Partner organizations/institutions (if any)	The Western Highlands Provincial Health Authority manages all health facilities within the Western highlands Province. The office of the CEO WHPHA has made a commitment of 20% of the total costing to support this project. Please find attached the letter (attachment "A") confirming their commitment to work in partnership to successfully implement this project in the form of counterpart funding.
Milestone(significant phases of the project)	This will be a very small installation. Basically it will consist of two stages. First is the order of all equipment and materials followed by installation, testing and commissioning. It will last approximately four weeks. It will be completed with a basic computers skills training for users. The training will be conducted by the WHPHA through its internal training programs.

Expected output	This project will produce computer literate 6 medical staff of the hospital with new and increased knowledge of ITC services. This knowledge will be transformed to improved patient care and staff performance. Staff will research information on patient care , reading medical research in latest discoveries which should also increase their knowledge of the medical field. Patient care will be improved from ensuring (ordering) medical supplies and have them readily available on site. It will also and communication with Mt.Hagen hospital regarding referral patients and patients needing. Regularly staff leave job site and go to Mt.Hagen headquarters to attend to administration matters. These queries can be handled form their work station after the operation of this project, meaning more time for patient care.
	All the above will contribute to the better and improved patient care. In the end it's the 6,000 people of Balg/Kagamuga and surrounding villages plus the 4 staff members to benefit from this project.

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
	Accessing prohibited web sites	1	1	Access of prohibited sites will be denied through installation of a mini PC with the appropriate firewall software. This will be done to also ensure usage of data is minimized to business only.
	Land not secured	1	1	Land is secured as it is an established health facility and it does not have any outstanding land issues. However if issues does arise the hospital committee will deal with it through its community representatives from the local community, villages and council wards (tribes).
	Security	1	1	This is an established facility and has been operating since the 2005. Security has never been an issue. There is a fulltime security officer for the property however if such issues does arise the community will address it.
	Project Equipment Personalized	1	1	The equipment supplied will be registered assets of the Western Highlands provincial Health, as such this problem will be eliminated.
	Maintenance & recurrent costs	1	1	Running costs for this installation will come from the WHPHA operational budget

Reporting Procedure	The WHPHA through its Information Systems Manager, Dr. David Johnson will oversee the implementation of this project. Dr. Johnson will report to NICTA project manager issuing weekly progress reports. The contractor is also expected to issue biweekly project progress reports to Dr. Johnson.

development policies	(health workers). This will further help increase staff knowledge on their job thus increasing productivity and improve the welling being and health of the people of Mt.Hagen town and surrounding villages.
Financial Support	The Western Highlands Provincial Health Authority (WHPHA) will support this project by counterpart funding 20% of the total establishment cost. Please refer to attachment "A", pledging it's support for this project.
Sustainability of Project	Annual running costs for this facility will be for service fees, purchase of consumable, power bills, broadband service, etc. The WHPHA to fund these costs from its recurrent operational budget.

The intended project implementation period is four weeks. This time is considered sufficient while accommodating any unforeseen circumstances likely to cause delays.

Weeks # 1 - 3

(a) Place orders for all hardware (computer, server, cables, etc)
(b) Place order for Telikom 4G Wimax Broadband connection
(c) Pre installation site visit
(d) WHPHA to conduct in house IT skills training for staff @ Mt.Hagen hospital

Weeks # 4

(a) Install Telikom 4G Wimax Broadband access equipment
(b) Installation of network equipment, test and commission

BALG CHP ICT SETUP COST

DESCRIPTION	UNIT COST		QTY	TOTAL COSTS	
850VA UPS,Eaton floor mount	K	360.00	2	K	720.00
Lenova M720-17,8GB RAM,1TB HD,windows 10P64,DVDRW	K	5,567.00	2	K	11,134.00
45cm HP screen, c/w mouse + pad,key board	K	710.00	2	K	1,420.00
HP LJ Pro MFP Printer/copier/fax/scanner,Colour	K	1,850.00	1	K	1,850.00
Telikom Wimax Broadband connection	K	770.00	1	K	770.00
Labour -installation	K	1,300.00	1	K	1,300.00
Total				K	16,474.00
10% GST					1,647.40
TOTAL AMOUNT PAYABLE - BALG CHP CLINIC					18,121.40

Attachment "A"

Chief Information Officer

Mobile: 675 71695959
Email: david.johnson@whhs.gov.pg
Web: www.whhs.gov.pg

P. O. Box 36 Mt Hagen, 281
Western Highlands Province, PNG
Phone: 675 541 1290
Fax: 675 542 1445 / 542 2127

NICTA FUNDED UAS PROJECT 2020

This letter is to advise that the WHPHA supports the *ICT SERVICE CONNECTION FOR RURAL HEALTH FACILITIES WITHIN the WESTERN HIGHLANDS PROVINCIAL HEALTH AUTHORITY* project as put forward by Highcoms Engineering Limited.

As background the WHPHA is deploying a Province wide Heath Information System (ePMRMS) across the province and throughout the Highlands Region. We have made substantial investments in a Data Centre and ICT Infrastructure over the past 5 years and have fully deployed ePMRMS at Mount Hagen Hospital.

We recently installed a 4.5m C-BAND Satellite Dish as the Hub of this network and will be connecting up our three District Hospitals over the next 12 months. We are pleased to support this project as it will allow us to integrate our Community Health Posts of which there are around 33 detailed in the proposal.

The WHPHA will continue to invest in this project and proportionately fund any successful proposal.

Dr David Johnson
Chief Information Officer

7/6/2019.

"Achievement through Positive Change and Affirmative Action"