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<input type="checkbox"/> Memo	<input type="checkbox"/> Donor Report
	<input checked="" type="checkbox"/> Other: <u>Project Closure Report</u> (pls specify)

Purpose: Requesting for approval on the Final Project Closure Report of UNDP CEIT Project

Project number/Title: 00110182/00109247- South South Fund to establish a Centre of Excellence in IT at the University of Papua New Guinea


Through: Julie Bukikun, UNDP Assistant Resident Representative *Julie Bukikun*
Prepared by: Velea Vagi, Programme Analyst *Velea Vagi* 03-Nov-2021
 05-Nov-2021

CLEARED BY	DATE	SIGNATURE
Head of Portfolio/Unit	05-Nov-2021	<i>Julie Bukikun</i>
PSU [For ProDoc, AWP, Agreement, MoU, Donor Report]		
Operations Manager [For Contract, Offer, Agreement, MoU, Memo]		
Deputy Resident Representative [All]	07-Nov-2021	<i>V. Vagi</i>
Resident Representative [All]		

After signature/clearance:

- To be scanned and copy added to RR electronic file/SharePoint together with relevant documents
- To be filed as appropriate with relevant teams, SharePoint

UNDP Papua New Guinea
South South Fund for CEIT Project Validation and Closure Report
For submission to South South Fund and
The India-UN Development Partnership Fund

Project Atlas Award ID	00110182
Project ID	00109247
Project Value	USD 556,635.00
Project Donor	India-UN Development Partnership Fund
Project Start Date	19 th March, 2018
Project End Date	18 th March, 2019
Project Completion Date	24 th September, 2019
Project Closure Date	31 st December, 2020
Project Validation & Closure Report	5 th February, 2021
Closure Report prepared by	Appala N. Saripalli, UNDP PNG  03-Nov-2021
Closure Report endorsed by	Julie Bukikun, Assistant Resident Representative, UNDP PNG  05-Nov-2021
Closure Report release authorized by	Edward Vrkic, Deputy Resident Representative, UNDP PNG  07-Nov-2021

Project Title:

South South Fund to establish a Centre of Excellence in IT at the University of Papua New Guinea

Project Stakeholders:

The South South Fund

The Government of India through the High Commission of India in Papua New Guinea

The Government of Papua New Guinea through the University of Papua New Guinea

United Nations Development Program in Papua New Guinea (Implementing Partner)

Department of Foreign Affairs, Papua New Guinea

Department of National Planning and Monitoring, Papua New Guinea

PROJECT BASIC DATA

Project Number	00110182/00109247	Project Document Signed on	8 th March, 2018
Project Location	Port Moresby	Project Completed & Handed Over on	24 th Sept, 2019
Country	Papua New Guinea	Project Closure date	31 st Dec, 2020
Sector	HRD in ICT	Project Closure Report validated on	5 th Feb, 2021
Project Title	South South Fund to establish a Centre of Excellence in IT at the University of Papua New Guinea		
Stakeholders		Project Budgets in US Dollars	Project Actuals in US Dollars
Government of India through the India-UN Development Partnership Fund represented by Indian High Commission in Papua New Guinea (PNG) as the Donor		556,635	556,635
Government of Papua New Guinea through the University of Papua New Guinea (UPNG) as the Beneficiary			
Department of Foreign Affairs of GoPNG			
Department of National Planning & Monitoring of GoPNG			
The South South Fund through UNDP			
Cost overruns absorbed by UNDP			39,660
Project Totals (The unanticipated project delays/cost overruns mainly related to work deficiencies on the part of the works contractor engaged initially and later storm damage needing rectification by engaging an alternate remedial works contractor)		556,635	596,295

PROJECT DESCRIPTION**A. Rationale**

The use of Information Communication Technology (ICT) in Papua New Guinea is low compared with many of its Pacific neighbours due to lower funding levels, and a lack of adequately qualified teaching staff and inadequate infrastructure. This project initiated under the auspices of The South South Fund was intended to address many of these infrastructure challenges to support PNG build a strong, literate and vibrant ICT sector. It was also intended to help address a common complaint from employers that university graduates possess general computing knowledge but lack the specific skills demanded by industry.

B. Expected Impact

The objective of the project is to develop a world class ICT learning facility which will form the Centre for Excellence in Information Technology (CEIT) and will result in a model learning environment at UPNG's main campus. This will result in high quality training facilities for youth in the areas of ICT, as well as bridge the gap of the skills between academia and the demands of the industry to produce capable human resources to fill challenging IT positions that demands a highly skilled workforce.

C. Objectives or Expected Outcomes

The implementation of the project, will result in the creation and employment of the latest ICT systems to bring about efficiency and improve productivity in service delivery to the people of Papua New Guinea, through creating a conducive learning environment for staff, students and other stakeholders to sit Centre for Excellence in IT core business. CEIT will be as 'Finishing School' to bridge the gap between academia & industry.

Realisation of these learning objectives is expected to commence on completion of this project and in the long term is expected to contribute to the following outcomes:

1. Use of digital technologies and big data enabled for improved public services and other government functions;
2. People in PNG, including marginalized and vulnerable populations, benefit from shared prosperity and contribute to growth and development that is equitable, inclusive and sustainable; and
3. Papua New Guineans participate in formal and informal income generation and have increased capacity to contribute to inclusive national growth.

D. Components and Outputs

Output 1

Availability of conducive teaching and learning and staff and student facilities to the eligible population of PNG;

Output 2

All equipment and machinery to support the teaching learning activities of the CEIT programme are in place;

Output 3

All teaching staff of the CEIT programme are housed within close proxy of their workplace

The achieving of the above outputs through successful completion of the project resulted in the formation of modern facilities, including 2 computer Labs, a Lecture Room and Library & Reading Rooms supporting over 400 students a year from a range of backgrounds (teachers, public servants and undergraduates) study and obtaining certificates in ICT.

E. Provision of Inputs

As part of the MOU between the Government of Independent State of Papua New Guinea and the Government of Republic of India for establishing India Papua New Guinea Center of Excellence in Information Technology (CEIT), the University of PNG provided physical space and the generous funding provided by the donor and effective project monitoring by UNDP resulted in physical infrastructure & facilities via civil refurbishing, electricity, connectivity, furniture including office space as well as free furnished accommodation for visiting experts.

F. Implementation Arrangements

Through the cooperation efforts of The South South Fund, the Government of India (GoI) and the Government of Papua New Guinea (GoPNG) entered into a Memorandum of Understanding (MoU) on the 29th of April 2016 for establishing India Papua New Guinea Centre of Excellence in Information Technology in University of Papua New Guinea in Port Moresby¹. The MoU specified that while GoPNG provides the land for the project in the UPNG premises, GoI would provide the funding for completion of the project and the MoU terminates on certification of successful completion of the project.

This South-South Partnership between the two governments needed to be implemented. The GoPNG agencies of Department of Foreign Affairs (DFA), Department of National Planning and Monitoring

¹ <https://www.hcipom.gov.in/docs/MoU%20for%20setting%20of%20CEIT.pdf>

(DNPM) and University of Papua New Guinea (UPNG) were tasked with the responsibility of making arrangements for project implementation. Towards the end of 2017, GoPNG DFA convened a meeting between UPNG and UNDP PNG to discuss the MoU and the way forward for the project implementation.

The UNDP developed the project document for the project assigned No. 00110182 titled “**South South Fund to establish a Centre of Excellence in IT at the University of Papua New Guinea**” that was signed by UPNG and UNDP on 8th March, 2018 for a total project value of USD 556,635. As per this project document, the project was scheduled to commence on 19th March 2018 and end on 18th March 2019 and was to be implemented by UNDP under the Direct Implementation Modality.

EVALUATION OF PROJECT PERFORMANCE AND EFFECTIVENESS

A. Relevance of Design and Formulation

The UNDP project management team in consultation with UPNG project management team had ensured that the project design remained relevant to the project needs and ensured provision of value for money as detailed in the project document and execution work plan.

B. Effectiveness in Achieving Project Outcome

The UPNG CEIT project has been operational for the past 2 years and has proved to be effective in contributing to targeting the project outcomes outlined above. However, UPNG realizes that while this project provides the inspiration and impetus for achieving the objectives and appreciates the contribution made by the Government of India, there is a need for similar projects across the various provinces and districts of Papua New Guinea if the objectives are to be achieved uniformly and inclusively across the country as a whole.

C. Efficiency of Resource Use in Achieving Outputs and Outcomes

Although UNDP was drafted in to oversee the project implementation almost after 2 years of signing of the MoU dated 29th April 2016 between GoI and GoPNG, UNDP still managed to effectively coordinate with the various stakeholders and appreciates the receptiveness and contributions from them in collaborating together to achieve the various outputs and outcomes listed in the project document. The UNDP endeavored to ensure that the resources allocated to this project were used as efficiently and effectively as possible providing value for money.

D. Preliminary Assessment of Sustainability

A preliminary assessment of the UPNG CEIT project suggests that it is sustainable as it is rightly placed in one of the most respected and well established institutions of higher learning in the country. The UPNG is a state funded public university and receives regular grants from GoPNG and its activities are subject to monitoring and control under various GoPNG legislation, especially the Public Finance Management Act (PFMA). As required under PFMA, the UPNG has an established Audit Committee that meets quarterly to assess the operational effectiveness and regulatory compliance. The Audit Committee charter covers operational issues and hence the sustainability and impact assessment of the CEIT project is probably regularly being discussed at these meetings in addition to the various routine academic governance board meetings of UPNG. At this point of time, the donor partner’s agency CDAC is providing support to run various IT related programs at the centre. The sustainability impact assessment should study the CDAC processes in place at CEIT to train the citizens for the eventual takeover of responsibilities of running the CEIT operations as and when CDAC ceases to provide the support.

E. Impact

While all the stakeholders are positive that the UPNG CEIT project definitely has an impact, no professional impact assessment exercise has been carried out as of date. The UPNG CEIT project will definitely benefit from a professional impact assessment exercise and will enable guide GoPNG efforts to replicate the success of the project across institutions of higher learning spread over the country. The UNDP website captured the picture of Ms Lenora Kombeng, one of the many students graduating from CEIT with a Certificate in Computer Programming² while providing details about the South South CEIT initiative.

OTHER PERFORMANCE ASSESSMENTS

A. Performance of the Beneficiary

The UPNG is the end beneficiary of the MoU for this project, but had to follow government departmental protocols to obtain the necessary approvals from the DFA and DNPM. Although the South South MoU between GoI and GoPNG was signed on 29th April 2016, following the protocols led to delays in getting all the stakeholders to meet which finally happened towards end of 2017. Following this meeting, UNDP developed the project document that was finally signed by UPNG on the 19th March 2018. Apart from this delay, the UPNG rendered all possible assistance to the stakeholders and contractors to enable them to execute the project. The project was scheduled to be completed in 12 months by 18th March 2019. However, a number of deficiencies in contract works execution by the construction contractor required engaging another contractor to carry out remedial works. This additional work besides delaying the project by about six months resulted in cost overruns too. The project was finally completed and handed over on 24th September 2019, but the project closure report remained pending due to oversight in the din of covid19 pandemic effects.

The donor under this South South partnership, the Government of India fulfilled its part of the obligations through its agency Centre for Development of Advanced Computing (CDAC). The CDAC has successfully installed all the IT equipment provided by the donor and continues to provide the necessary training to the various staff through two full time IT professionals placed in UPNG CEIT. The complete details of the UPNG CEIT initiative and the various programs being delivered by the centre are available on CEIT website³.

B. Performance of the Contractors

The following table lists the application of donor funds on various accounts including the contractors that rendered project execution services.

No	Paid to/for	Description	Payment currency	Forex Rate	Payment in Aus Dollars	Payment in PNG Kina	US Dollar Equivalent
1	RPSPM	Project Manager	Aus Dollar	1.410	90,000		63,437
2	Fletcher Morobe	Demolition Work	PNG Kina	3.257		159,500	48,971
3	AD Engineering	Construction Work	PNG Kina	3.257		1,239,187	380,469
4	Paiga Kale	Remedial Work	PNG Kina	3.436		132,595	39,597
5	Project Overheads	Project Mgmt Costs	USD				37,347
6	UNDP	DIM execution	USD				25,611
7	Miscellaneous						863
	TOTAL				103,149	1,516,782	596,295
	Original Budget	Donor Payment	USD				566,635
	Cost overrun	Absorbed by UNDP	USD				39,660

² https://www.pg.undp.org/content/papua_new_guinea/en/home/projects/strengthening-the-centre-for-excellence-in-information-technolog0.html

³ <https://github.com/ceit-png/ceit-png.github.io/raw/master/Brochure.pdf>

The delayed commencement of the project construction works imposed tight working deadlines on the project manager and the construction works contractor. Although the project execution was completed in time, post handover of the project for occupation, a number of minor remedial works including roof leaks due to storm water damage needed to be attended to. The UNDP had to engage the services of a remedial works contractor by incurring additional costs that were not visualized. However, post carrying out these remedial works, no further complaints relating to the project have been received from UPNG.

C. Performance of UNDP, the implementation partner

The UNDP was able to come on board the project only after signing of the project document on 8th March 2018. On the same day, UNDP arranged for a Project Appraisal Committee Meeting to be held which was attended by various stakeholders viz. UPNG, Indian High Commission, DNPM and UNDP. At this meeting UNDP also presented an Annual Work Plan (AWP) detailing the activities to be carried out to execute the CEIT project. However, the technical nature of the CEIT project infrastructure meant that UNDP needed to secure the services of a professional project manager to engage in stakeholder consultations to assess the design needs, secure construction approvals, plan procurement, engage construction contractors and monitor construction. Following the UNDP procurement guidelines and due tender processes, UNDP was able to finally secure the services of Project Manager and Contractors. Agreements were entered into with RPSPM on 1st October 2018 to manage the project and AD Engineering on 19th October 2018 to execute the construction works. Apart from this procedural delays to commence the actual project execution work, there were no other delays and the project was completed within a year from actual commencement of works by 24th September 2019.

D. Other matters

This project closure and validation report is prepared at the request of The South South Fund for circulation, especially to the donor, the Government of India through the India-UN Development Partnership Fund. The UNDP PNG Country Office sincerely regrets the oversight and delay in producing this project closure and validation report.

OVERALL ASSESSMENT, LESSONS, RECOMMENDATIONS AND REFERENCE DOCUMENTS

A. Overall Assessment Summary Table

Criteria	Observation	Suggestions
Relevance	Relevant	
Effectiveness in achieving outcome	Effective	More such projects on a national level needed
Efficiency in achieving outcome and outputs	Effective	More such projects on a national level needed
Preliminary assessment of sustainability	Sustainable	Monitor to improve.
Beneficiary support to the project	Positive	Post project support needs to be assessed
Other stakeholder involvement	Positive	
Performance of contractors engaged	Mostly satisfactory	
Performance of UNDP	Mostly satisfactory	
Impact	No external assessment	UPNG Audit Committee to monitor impact
Project Management	Mostly satisfactory	
Overall assessment	Reasonably successful	
Donor contribution to development outcome	Significantly appreciated	

B. Identification of Lessons

One of the significant lessons learnt from the UPNG CEIT project is that a more effective and proactive coordination between the various stakeholders would have helped in avoiding the delayed commencement of the project as a lot of valuable time was lost between signing of the MoU on 29th April 2016 between GoI and GoPNG and the actual commencement of the project works by various contractors in September 2018. The delay of over 2 years has a multiple cascading effect on achieving the project outputs translating to the attainment of development outcomes.

C. Recommendations for Follow-ups

The University of PNG has an established Audit Committee that is functional and meets every quarter as required under the Public Finance Management Act. The Audit Committee Meetings follow a charter to guide them in effectively monitoring the efficiency and effectiveness of UPNG operations and regulatory compliance. It is recommended that the Audit Committee be requested to specifically consider monitoring the UPNG CEIT project for assessing its impact as an agenda item. The UPNG Audit Committee feedback can positively contribute to effectively executing similar future projects of GoPNG in the ICT space in institutions of higher learning spread across PNG to inclusively achieve the developmental outcomes. It is also recommended that a professional impact assessment of the UPNG CEIT be carried out to provide guidance for executing future projects.

D. Reference Documents

The following documents provided the reference data used in the compilation of this report.

1. The MoU signed on 29th April 2016 between the GoI and GoPNG;
2. The Project Document signed on 8th March 2018 between UNDP and UPNG;
3. The Minutes of the Appraisal Committee Meeting held on 8th March 2018;
4. The CEIT project Annual Work Plan dated 8th March 2018 for year 1 (2018-2019);
5. The Contract agreement dated 20th September 2018 with Fletcher Morobe for demolition;
6. The Contract agreement dated 1st October 2018 with RPSPM, the project manager;
7. The Contract agreement dated 19th October 2018 with AD Engineering for construction;
8. The UPNG CEIT Progress Report dated November 2018 submitted by the project manager;
9. The CEIT project Annual Work Plan dated January 2019 for year 2 (2019);
10. The Contract agreement dated 26th September 2019 with Paiga Kele for remedial works;
11. Extract from India-UN Development Partnership Fund Newsletter for September 2019;
12. Details of POs/payments of various contractors recorded by UNDP in ATLAS ERP system;
13. Other relevant UNDP project related communication with stakeholders;
14. UPNG CEIT Program Descriptions Brochure available on UPNG CEIT website;

UNITED NATIONS DEVELOPMENT PROGRAMME

Empowered lives
Resilient nations.PROJECT DOCUMENTPapua New Guinea

Project Title: Strengthening the Centre for Excellence in Information Technology in Papua New Guinea

Project Number: 00110182

Implementing Partner: United Nations Development Programme

Start Date: 19/03/2018 End Date: 18/03/2019 PAC Meeting date: 08/03/2018

Brief Description

The Government of Papua New Guinea, through the University of Papua New Guinea, is developing the country's Information and Communication Technology (ICT) capacity via the development of an ICT learning facility, in partnership with the Government of India and the United Nations Development Programme (UNDP). The facility will form the Centre for Excellence in Information Technology (CEIT) and will result in a model learning environment, including education software, curriculum and teaching facilities. The centre will provide a series of short and longer term courses, to public servants, teachers and graduates, and address industry needs by providing tailored courses that bridge the academic and the professional skill requirements.

To date, the use of ICT in Papua New Guinea is low compared with many of its Pacific neighbours due to lower funding levels, and a lack of adequately qualified teaching staff and inadequate infrastructure. This project will address many of these challenges to support PNG build a strong, literate and vibrant ICT sector. It will also help address a common complaint from employers that university graduates possess general computing knowledge but lack the specific skills demanded by industry.

UNDP's Country Programme Development (2018-2022) is designed to position the organisation to support the country achieved its development objectives, including its Vision 2050, by acting as a connector, supporting linkages and South-South knowledge-exchanges by bringing the country's good practices to global and regional forums and global innovations to Papua New Guinea. UNDP will support the University of Papua New Guinea to achieve a model learning environment of the ICT learning facility, by structurally rehabilitating the centre that will host the CEIT at the University of Papua New Guinea.

The objective of the project is to develop a world class ICT learning facility, the facility will form the Centre for Excellence in Information Technology (CEIT) and will result in a model learning environment at UPNG's main campus. This will result in high quality training facilities for youth in the areas of ICT, as well as bridge the gap of the skills between academia and the demands of the industry to produce capable human resources to fill challenging IT positions that demands a highly skilled workforce.

The outputs proposed in the project documents will focus on:

- 1) Availability of conducive teaching and learning environment and facilities to the eligible population of PNG
- 2) All equipment and machinery to support the teaching learning activities of the CEIT programme are in place
- 3) All teaching staff of the CEIT programme are housed within close proxy of their workplace.

Once the facilities have been completed, it will provide a training environment to support over 2,000¹ students (teachers, public servants and undergraduates) studying and obtaining certificates over the coming 5 years (2018-2022), via the delivery of a series of short and longer-term courses, designed to address industry needs.

<p>Contributing Outcome (UNDAF/CPD, RPD or GPD): SP 2018-2022</p> <p>2.2.1 Use of digital technologies and big data enabled for improved public services and other government functions; CPD: OUTCOME 2: By 2022, all people in Papua New Guinea, including marginalized and vulnerable populations, benefit from shared prosperity and contribute to growth and development that is equitable, inclusive and sustainable.</p> <p>UNDAF Outcome 2.3: By 2022, Papua New Guineans participate in formal and informal income generation and have increased capacity to contribute to inclusive national growth</p> <p>Indicative Output(s): Papua New Guinean's have access to modern, purpose built facilities to participate in ICT training and skills development</p>	Total resources required:		USD 556,635	
	Total resources allocated:			
			UNDP TRAC:	
			India-UN Development Partnership Fund:	USD 556,635
			Donor:	
			Government:	
			In-Kind:	
Unfunded:				

Agreed by (signatures):

Department of National Planning and Monitoring	University of Papua New Guinea	United Nations Development Programme
	<i>Malaise</i>	<i>Wiemmer</i>
Print Name:	Print Name: <i>Vincent Malaise</i>	Print Name: <i>Tray Vienings</i>
Date:	Date: <i>8th March 2018</i>	Date: <i>8/3/2018.</i>

¹ Based on the working hypothesis of an expected 400 students per year.

I. DEVELOPMENT CHALLENGE

Around the world internet and ICT account for a significant and growing proportion of global GDP. This global expansion is expected to bring local benefits to the Pacific, creating 16,000 new jobs and contributing to an estimated 6.2% rise to GDP in the region. The adoption and use of information communication technology in Papua New Guinea has increased significantly in the past decade. The penetration of mobile phone usage, as a proxy indicator of this, has expanded its coverage, growing from 4.7% in 2007 to 47% in 2015²; with growth of internet use the highest in the region.

With 12% wage employment in Papua New Guinea and over 50% of the population under the age of 25, the rapidly advancing information and communications technologies sector is seen as a way of helping to address some of the social and economic problems caused by the growing urban youth populations. In addition, ICT is seen as a key opportunity for connecting the 85% of the population living in hard to reach rural areas of the country. ICT is seen as playing a pivotal role in reforming the ways in which traditional services have been delivered and extending support to the achievement of key Sustainable Development Goals.

However, to date, ICT development in Papua New Guinea has been slower than many of its Pacific neighbours due to lower funding levels, and lack of adequately qualified teaching staff and inadequate infrastructure. This project will address many of these challenges to support PNG build a strong, literate and vibrant ICT sector. It will also help address a common complaint from employers that university graduates possess general computing knowledge and lack the specific skills required by industry.

ICT and, in particular, the development of training infrastructure to support skills development, is a key aspect of the country's strategic direction as well as attainment of PNG's localized Sustainable Development Goal targets. The National Goals and Directive Principles emphasize that all persons be given every opportunity to participate in and benefit from the development occurring around them. Embedded in Vision 2050, the Papua New Guinea Development Strategic Plan 2010-2030 and the current Medium Term Development Plan (2012-2017) is ICT skills.

The Government of Papua New Guinea has been investing in ICT infrastructure and skills development in order to support the digitalization of the economy. The country published its first ICT Policy in 2008, followed by the ICT Act in 2010, which created the industry regulator (the National Information and Communication Technology Authority; NICTA). Following this, the Government of Papua New Guinea entered into a Memorandum of Understanding (MOU) with the Government of India in 2016 following an official visit to Papua New Guinea by the President of India, His Excellence Pranab Mukherjee. This followed an initial announcement of partnership by Prime Minister Honourable Narendra Modi of India, in 2015.

The MOU created a partnership to develop the Centre for Excellence in Information Technology (CEIT). The CEIT is designed to support learning for school teachers, university faculty and government officials throughout the country. Providing training in modular certificate courses in basic IT, intermediate level IT, and advanced IT at the CEIT as well as connect experts between India and Papua New Guinea.

The Government of Papua New Guinea delegated authority to the University of Papua New Guinea to host the project as it is both the premier Institution of higher learning in Papua New Guinea as well as in the Pacific region. The nature of the University's teaching and learning and the Government workplace requires its students and workforce to have access to state of the art internet and ICT facilities to further their pursuit of knowledge, skills, experience and opportunities.

As part of the MOU agreement the Government of India will provide capacity development to local trainers, training them at the Centre for Development of Advanced Computing (in India), and position two Indian lecturers at the CEIT (in UPNG) to build the training capacity on campus. In addition, India will install IT software, training materials, courseware and reference books.

2 <https://www.lowyinstitute.org/the-interpreter/benefits-and-challenges-ict-png>

In return, the University of Papua New Guinea will provide a conducive teaching and learning environment to house the CEIT. The University has identified the appropriate buildings and has carried out a detailed scope of works to rehabilitate the building and obtain correct furnishings for classrooms, computer laboratories, and tutorial rooms and staff offices. This also includes costing to procure and install IT equipment. In addition, UPNG will invest in redeveloping its staff accommodation to bring it to standard to house visiting IT professors.

The timing of this initiative is very optimal, during the course of 2018 Papua New Guinea will host two very important, high-level events. In November 2018, PNG will Chair the Asia Pacific Economic Cooperation meeting. One of the key priority areas for the meeting is digital economy and this topic will be discussed extensively in working groups during the 12 months from November 2017- November 2018. The second high-level event is the official mission by the Prime Minister of India, Honourable Narendra Modi, to Papua New Guinea. Both of these will be high visible events in which the Centre of Excellence can be position to play a key flagship development role during both of them.

II. STRATEGY

Papua New Guineans currently have low ICT literacy skills, this reduces the opportunity for Papua New Guinea's to enter the formal labour market, start up e-businesses, and for businesses to grow and prosper. Developing Papua New Guinea's ICT skills will develop linkages between sectors in the economy increasing opportunities for prosperity and inclusivity, improve organisational management, productivity and service delivery. Many employers have identified that current ICT skills are too low in the country, and those academically trained require bridging courses to bestow skills applicable for industry. By developing a Centre for Excellence in ICT, in partnership with the Government of India, that has the soft (quality of lecturers) and hard (quality of working environment) facilities students and industry professionals will be provided with the support required to gain the relevant ICT literacy skills to successfully apply in the work force, and therefore produce a population of people that can harness the IT infrastructure nationally available. The CEIT will provide advanced IT Courses in Business Computing, Web Technologies, JAVA, Database, Android, Linux, Network Security, and Data Communication & Networking & Office Automation

Building upon the Memorandum of Understanding signed between the Government of India and the Government of Papua New Guinea. This project will deliver the theory of change by developing the latest ICT systems to bring about efficiency and improve productivity in service delivery to the people of Papua New Guinea, through creating a conducive learning environment for staff, students and other stakeholders to conduct core ICT class. The Centre for Excellence in Information Technology will train people from across the country, including, undergraduates, graduates and industry professionals; Providing training in modular certificate courses in basic IT, intermediate level IT, and advanced IT at the CEIT as well as connect experts between India and PNG. It is forecasted in the first 5 years the facility will train up to 2,000 people. This number is expected to grow as additional resources become available and the Centre expands and diversifies the range of its training programs.

To date the Government of India is fulfilling its side of the MOU. The first three Master Trainers whom travelled to India have attend the Masters Trainer Course and completed their studies. They are in the process of returning back to Papua New Guinea to commencing teaching at the CEIT. The Government of India will train a further 3 Master Trainers. In addition, the software and computer systems that the Government of India pledged to furnish the CEIT office is in transit on its way to Port Moresby. The government of India is also providing one Centre Head and one trainer from for two years of course delivery and centre coordination

The University of Papua New Guinea has allocated space in an existing university building on-campus to house the CEIT. The allocated space is currently not fit for purpose and requires rehabilitation

works and fixtures and fittings to house the IT Equipment and facilities. Therefore, the actions under this project proposal include:

- To carry out rehabilitation works on the section of the building allocated to CEIT and redevelop staff residences to bring accommodation to standard for visiting lecturers. The scope of works will include removing and replacing walls to create computer laboratories, classrooms, meeting rooms and academic staff offices including construction of picket fence around the CEIT venue.
- To furnish the computer laboratories, classrooms, meeting rooms and academic staff offices with it equipment and furniture.

The time frame for the project is to carry out the rehabilitation works and to procure and install the requested ICT Equipment and Furniture commencing February 2018, for 12 months.

III. RESULTS AND PARTNERSHIPS

Expected Results

The implementation of the project, will result in the creation and employment of the latest ICT systems to bring about efficiency and improve productivity in service delivery to the people of Papua New Guinea, through creating a conducive learning environment for staff, students and other stakeholders to sit Centre for Excellence in IT core business. CEIT will be as 'Finishing School' to bridge the gap between academia & industry.

As part of the MOU between the Government of Independent State of Papua New Guinea and the Government of Republic of India for establishing India Papua New Guinea Center of Excellence in Information Technology, the University of PNG shall provide physical space and the physical infrastructure & facilities via civil refurbishing, electricity, connectivity, furniture including office space as well as free furnished accommodation for visiting experts.

This will result in the formation of modern facilities, including 2 computer Labs, a Lecture Room and Library & Reading Rooms supporting over 400 students a year from a range of backgrounds (teachers, public servants and undergraduates) study and obtaining certificates in ICT

Resources Required to Achieve the Expected Results

Resources required to achieve the expected results include:

- Key government officers staff time and technical inputs;
- UNDP Project staff:
 - Procurement officer to facilitate the procurement activities.
 - Administration, quality assurance, M&E and communications support.

Partnerships

The project closely collaborates with the following agencies for CEIT activities:

- The University of Papua New Guinea, in particular the Department of Information & Communication Technology;
- The Department of National Planning and Monitoring;
- The Department of Foreign Affairs;
- The Indian High Commissioner to Papua New Guinea

Risks and Assumptions

Identified risks	Type	Probability	Mitigation measure
Risk 1: GoPNG commitment towards implementing CEIT does not remain firm.	Political	Low	UNDP will work closely with the government to ensure commitment remains strong, ensure cooperation and coordination of activities are strengthened
Risk 2. Programme inputs (funds, human resources, etc.) are not mobilized in a timely fashion	Operations	Medium	All procurement procedures will be in line with UNDP Rules and Regulations.
Risk 3. Potential impacts that could affect women's and men's ability to use the facility	Environment	Low	Gender Situational Analysis and Stakeholders Engagement Assessment is carried out to ensure equal participation of male and female students.

Stakeholder Engagement

The main target group of the project include the University of Papua New Guinea and its students. Throughout project implementation, the project will ensure the full and effective participation of all relevant stakeholders. These stakeholders include the private sector, academic institutions, and potential course applicants.

South-South and Triangular Cooperation (SSC/TrC)

The Project builds on an existing MOU with the government of India; whereby the Government of India provides a ICT professors and trains 6 Papua New Guinean master trainers in India. In addition, the government of India will provide state of the art training software; courseware and reference books for training of teachers, students, Government officials & working professionals and the provision to connect to India through video conferencing for special sessions and on-line teaching.

Knowledge

The project will conduct awareness raising activities to ensure that relevant stakeholders fully understand key opportunities of ICT training and create diverse media products ensuring visibility and knowledge dissemination of the facility.

Sustainability and Scaling Up

Financial sustainability: will be achieved by working through existing government agencies and mechanisms as far as possible such that the outcomes are mainstreamed into the regular operations and budgets of these agencies. The University of PNG will charge for the ICT courses and will provide the recurring expenditure towards maintenance of premises, consumables, security, communication, internet bandwidth and cost towards the required local staff at the CEIT

Institutional sustainability: National ownership of the project will be ensured through assuring the leadership of the government agencies in designing, managing and leading the project activities. The University of PNG plans to grow the courses offered and number of classes provided to maintain viability and interest.

IV. PROJECT MANAGEMENT***Cost Efficiency and Effectiveness***

The CEIT seeks to deliver maximum results with available resources as well as in partnership with other related initiatives. The project will coordinate closely with University of Papua New Guinea, and with The Department of National Planning and Monitoring.

Project Management

The project will be implemented under the Direct Implementation Modality (DIM). The project management unit will be located in UNDP Country Office. Project activities will be at the University of Papua New Guinea - Port Moresby Campus. The project will be implemented in accordance with the UNDP rules and regulations. The quality of the project will be regularly monitored and assured by UNDP staff. UNDP policy on cost recovery will be applied for the activities.

The project will be audited as per the requirement in the UNDP's programme and Operations Policies and Procedures.

V. RESULTS FRAMEWORK

<p>Intended Outcome as stated in the UNDAF Programme Results and Resource Framework: <i>Outcome 2.3By 2022, Papua New Guineans participate in formal and informal income generation and have increased capacity to contribute to inclusive national growth</i></p> <p>Outcome indicators as stated in the Country Programme Results and Resources Framework, including baseline and targets: Output 2.1: National systems strengthened to support growth of sustainable and inclusive entrepreneurship. 2.2.3: Number of South-South cooperation agreements and programmes that deliver measurable and sustainable development benefits for participants Baseline: 2 (2017) Target: 4 (minimum) Source: UNDP reports, annual</p> <p>Applicable Output(s) from the UNDP Strategic Plan: 2.2.1 Use of digital technologies and big data enabled for improved public services and other government functions</p>						
Project title and Atlas Project Number:						
EXPECTED OUTPUTS	OUTPUT INDICATORS ³	DATA SOURCE	BASELINE		TARGETS (by frequency of data collection)	DATA COLLECTION METHODS & RISKS
			Value	Year		
Output 1 Availability of conducive teaching and learning and staff and student's facilities to the eligible population of PNG	1.1 % refurbishment of teaching and learning facilities	UPNG report	0	2017	100%	Report provided by the UPNG
	1.2 % of security fencing installed	UPNG report	0	2017	100%	Report provided by the UPNG
	1.3 % of utilities upgrade	UPNG report	20%	2017	100%	Report provided by the UPNG
Output 2 All equipment and machinery to support the teaching learning activities of the CEIT programme are in place	2.1 % procure, install and commission training ICT equipment and furniture		0	2017	100%	Verification
	2.2 % of the agreed furniture provided		0	2017	100%	Verification
Output 3 All teaching staff of the CEIT programme are housed within close proxy of their workplace	3.1 % Refurbishment of accommodation for teaching staff	0	2017	100%	100%	Verification

VI. MONITORING AND EVALUATION

In accordance with UNDP's programming policies and procedures, the project will be monitored through the following monitoring and evaluation plans: *[Note: monitoring and evaluation plans should be adapted to project context, as needed]*

Monitoring Plan

Monitoring Activity	Purpose	Frequency	Expected Action	Partners (if joint)	Cost (if any)
Track results progress	Progress data against the results indicators in the RRF will be collected and analysed to assess the progress of the project in achieving the agreed outputs. Overall progress tracking.	Quarterly, or in the frequency required for each indicator. Monthly	Slower than expected progress will be addressed by project management. Monthly progress is reported to the India-UN Fund through 2-3 bullet points submitted via email through its Secretariat at UNOSSC.		
Monitor and Manage Risk	Identify specific risks that may threaten achievement of intended results. Identify and monitor risk management actions using a risk log. This includes monitoring measures and plans that may have been required as per UNDP's Social and Environmental Standards. Audits will be conducted in accordance with UNDP's audit policy to manage financial risk.	Quarterly	Risks are identified by project management and actions are taken to manage risk. The risk log is actively maintained to keep track of identified risks and actions taken.		
Learn	Knowledge, good practices and lessons will be captured regularly, as well as actively sourced from other projects and partners and integrated back into the project.	At least annually	Relevant lessons are captured by the project team and used to inform management decisions.		
Annual Project Quality Assurance	The quality of the project will be assessed against UNDP's quality standards to identify project strengths and weaknesses and to inform management decision making to improve the project.	Annually	Areas of strength and weakness will be reviewed by project management and used to inform decisions to improve project performance.		

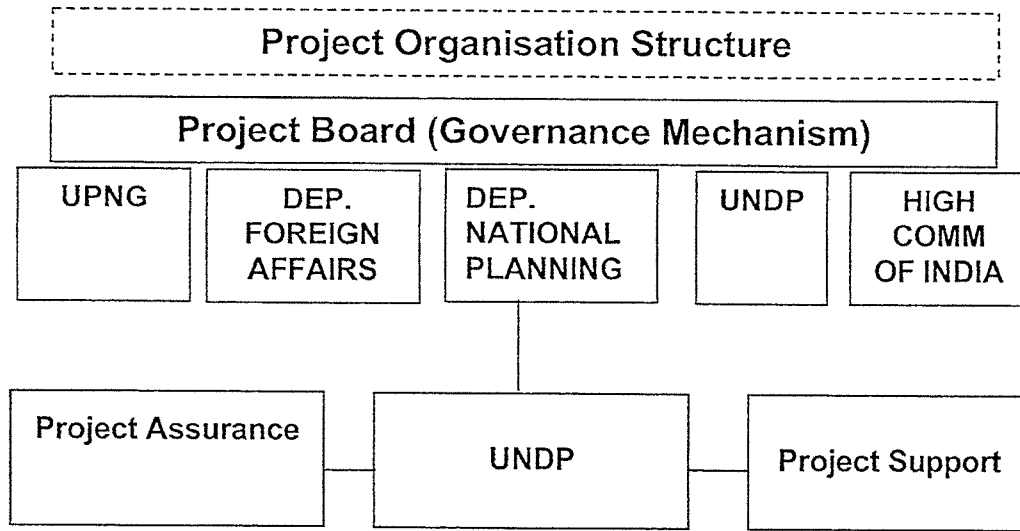
<p>Review and Make Course Corrections</p>	<p>Internal review of data and evidence from all monitoring actions to inform decision making.</p>	<p>At least annually</p>	<p>Performance data, risks, lessons and quality will be discussed by the project board and used to make course corrections.</p>	
<p>Project Report</p>	<p>A progress report will be presented to the Project Board and key stakeholders, consisting of progress data showing the results achieved against pre-defined annual targets at the output level, the annual project quality rating summary, an updated risk long with mitigation measures, and any evaluation or review reports prepared over the period.</p>	<p>Bi-annually (every 6 months), and at the end of the project (final report)</p>	<p>Submit report to the India-UN Fund through its Secretariat at UNOSSC.</p>	
<p>Project Review (Project Board)</p>	<p>The project's governance mechanism (i.e., project board) will hold regular project reviews to assess the performance of the project and review the Multi-Year Work Plan to ensure realistic budgeting over the life of the project. In the project's final year, the Project Board shall hold an end-of project review to capture lessons learned and discuss opportunities for scaling up and to socialize project results and lessons learned with relevant audiences.</p>	<p>At least annually</p>	<p>Any quality concerns or slower than expected progress should be discussed by the project board and management actions agreed to address the issues identified.</p>	

VII. MULTI-YEAR WORK PLAN

EXPECTED OUTPUTS	PLANNED ACTIVITIES	Planned Budget by Year	RESPONSIBLE PARTY	PLANNED BUDGET		
				Funding Source	Budget Description	Amount USD
Output 1 Availability of conducive teaching and learning and staff and student's facilities to the eligible population of PNG	1. Support rehabilitation of CEIT centre, through: <ul style="list-style-type: none"> o Removing and replacing walls to create new spaces, walk-ways, entrances; while maintaining the structure of the existing building; o Upgrading the security of the CEIT with installation of picket fencing; o Re-cabling the electrical, computing, and other ICT, related wiring network; and o Upgrading the air-conditioning system in the proposed site. 	2018				
		X		72100	231,000	
		X	UNDP	72100	10,000	
Sub-Total for Output 1				India-UN Development Partnership Fund	64397	13,000
						254,400

<p>Output 2 All equipment and machinery to support the teaching learning activities of the CEIT programme are in place</p>	<p>Provide equipment/ asset & furnish the teaching and learning facilities, through:</p> <ul style="list-style-type: none"> o Procurement and installation of ICT equipment in Computing Laboratories, Classrooms and Staff Offices. o Procurement and furnishing of Computing Laboratories, Classrooms and Staff Offices with Chairs, Tables including a backup power generator. 	<p>X</p>	<p>Contracts for installing ICT Equip - Account (72100)</p> <p>Contracts for furnishing the laboratories</p> <p>Project cost -64397</p>	<p>116,417</p> <p>100,063</p> <p>12,000</p> <p>228,480</p>
<p>Output 3</p>	<p>Sub-Total for Output 2</p> <p>Rehabilitation of staff housing</p> <ul style="list-style-type: none"> o Brown goods o White goods 	<p>x</p>	<p>Contract for refurbishing UPNG staff house 72100</p> <p>64397</p>	<p>52,893</p> <p>4,163</p>
<p>General Management Support</p>	<p>Sub-Total for Output 3</p>			<p>57,056</p> <p>16,198</p>
<p>TOTAL</p>				<p>556,635</p>

VIII. GOVERNANCE AND MANAGEMENT ARRANGEMENTS



IX. LEGAL CONTEXT AND RISK MANAGEMENT**LEGAL CONTEXT STANDARD CLAUSES**

This project document shall be the instrument referred to as such in Article 1 of the Standard Basic Assistance Agreement between the Government of Papua New Guinea and UNDP, signed on (date). All references in the SBAA to “Executing Agency” shall be deemed to refer to University of Papua New Guinea

RISK MANAGEMENT STANDARD CLAUSES**Government Entity (NIM)**

1. Consistent with the Article III of the SBAA, the responsibility for the safety and security of the Implementing Partner and its personnel and property, and of UNDP’s property in the Implementing Partner’s custody, rests with the Implementing Partner. To this end, the Implementing Partner shall:
 - a) put in place an appropriate security plan and maintain the security plan, taking into account the security situation in the country where the project is being carried;
 - b) assume all risks and liabilities related to the Implementing Partner’s security, and the full implementation of the security plan.
2. UNDP reserves the right to verify whether such a plan is in place, and to suggest modifications to the plan when necessary. Failure to maintain and implement an appropriate security plan as required hereunder shall be deemed a breach of the Implementing Partner’s obligations under this Project Document [and the Project Cooperation Agreement between UNDP and the Implementing Partner]⁴.
3. The Implementing Partner agrees to undertake all reasonable efforts to ensure that no UNDP funds received pursuant to the Project Document are used to provide support to individuals or entities associated with terrorism and that the recipients of any amounts provided by UNDP hereunder do not appear on the list maintained by the Security Council Committee established pursuant to resolution 1267 (1999). The list can be accessed via http://www.un.org/sc/committees/1267/aq_sanctions_list.shtml. This provision must be included in all sub-contracts or sub-agreements entered into under/further to this Project Document.
4. Consistent with UNDP’s Programme and Operations Policies and Procedures, social and environmental sustainability will be enhanced through application of the UNDP Social and Environmental Standards (<http://www.undp.org/ses>) and related Accountability Mechanism (<http://www.undp.org/secu-srm>).
5. The Implementing Partner shall: (a) conduct project and programme-related activities in a manner consistent with the UNDP Social and Environmental Standards, (b) implement any management or mitigation plan prepared for the project or programme to comply with such standards, and (c) engage in a constructive and timely manner to address any concerns and complaints raised through the Accountability Mechanism. UNDP will seek to ensure that communities and other project stakeholders are informed of and have access to the Accountability Mechanism.
6. All signatories to the Project Document shall cooperate in good faith with any exercise to evaluate any programme or project-related commitments or compliance with the UNDP Social and Environmental Standards. This includes providing access to project sites, relevant personnel, information, and documentation.

⁴ Use bracketed text only when IP is an NGO/IGO

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