

**PNG LNG Kwatali
Envairomen na Sospel Ripot**

**Namba Wan Kwata
2012**



PNG LNG

*Energy for the World. Opportunity for Papua New Guinea.
Eneji Bilong Wol. Luksave Bilong Papua Niugini.*



Kamapim sastenabel sindaun bilong Papua Niugini long bihaintaim

“PNG LNG Projek i winim namba tri yia bilong konstraksen, na wok bilong mipela wantaim ol komyuniti nau i lukluk long helpim na developim save na skil bilong ol long kamapim iekonomik na sosel benefit long Papua Niugini nau na long bihaintaim.”



Decie Autin, Projek Eksekutiv, Esso Highlands Limited

Wanpela bikpela bilip bilong dispela Papua Niugini Likwifait Neturel Ges (PNG LNG) Projek (Projek) Nesenel Konten Plen, em long kamapim sosel na iekonomik sastenabiliti long ol pipel bilong Papua Niugini nau na long bihaintaim.

Inap tupela yia nau, Projek i wok long strongim gutpela wokbung wantaim planti komyuniti, gavman na non-gavman stekholda na i givim sapot long ol komyuniti i stap long Projek impek eria aninit long Projek Komyuniti Developmen Sapot Plen.

Dispela em i namba nain PNG LNG Kwatali Envairomen na Sosel Ripot, we i soim olsem wanem Esso Highlands Limited, opereta bilong dispela US\$15.7 bilien Projek, i kamapim tru sosel, envairomen, helt na sefti komitmen bilong en. Esso Highlands Limited, wanpela han bilong Exxon Mobil Corporation, i go pas long mekim wok bilong konstraksen na operesen na i developim Projek wantaim ol ko-vensera olsem: Oil Search Limited, National Petroleum Company PNG Limited, Santos Limited, JX Nippon Oil and Gas Exploration Corporation, Mineral Resources Development Company Limited na Petromin PNG Holdings Limited, wantaim ol wanwok bilong ol.

Sosel developmen

Bihainim komitmen bilong en long promotim iekonomik na sosel sastenabiliti nau na long bihaintaim long ol komyuniti long Projek impek eria, Projek i kisim ol lokal institusen na manmeri husat inap long go pas long ol developmen insait long komyuniti bilong ol.

Eksampel, Projek i wok long sapotim Delta Green Field Marketing Limited wimens grup long developim kaikai fam bisnis bilong ol. Bihain long skul bilong groim ol gaden kaikai o vestebel faming skils ol i givim long ol dispela meri long namba foa kwata 2011, Projek i givim ol materiel bilong sanapim wanpela neseri, na ol i pinisim dispela wok long dispela kwata long Omati eria. Ol lokal komyuniti i sanapim dispela neseri bilong wimens grup husat bai yusim long givim trening long ol memba bilong ol long groim kain kain prut na ol arapela kaikai. Bai ol i givimaut tu ol kating long dispela neseri i go long ol arapela lokal meri long groim long vestebel gaden bilong ol.

I bin gat tu Pesonel Vaibiliti trening i kamap long ol komyuniti long LNG plent sait long dispela kwata. Dispela trening bai givim save long ol pipel long kamapim gutpela sindaun na bihainim ol stretpela rot bilong stretim wanem kain hevi i kamap. I kam inap nau, 250 pipel i kisim trening pinis we ol i skul long soim rispek long narapela, promotim positiv living o pasin bilong sindaun gut, baset bilong famili na ol rot bilong painim mani.

Kamapim ol risos bilong edukesen em i wanpela bikpela praioriti bilong Projek wantaim tripela yia ‘Box of Books’ o bokis bilong ol buk, skul laibreri program ol i lonsim long dispela kwata. Dispela projek bai helpim 52 praimer skul long Projek impek eria. Wan wan skul bai kisim ol bokis buk, wantaim trening bilong tupela tisa/laibrerian. Etpela tisa long ol skul long foapela viles long LNG plent sait i pinisim faivpela de trening long pasin bilong lukautim skul laibreri bilong ol.

Ol i givim tu 180 skul desk em ol lokal kontrakta yet i wokim, i go long faivpela praimer na elementeri skul long Hides na 545 desk i go long 15 praimer skul long Hailans Haiwe na olgeta praimer skul long Mendi i go inap long Tari.



Ol student bilong Halimbu Elementeri Skul wantaim ol nupela desk

Long wankain taim tu, ol i pablisim namba tri hap bilong Toea Projek Intefes seris ol i kolim *Toea and the LNG Project*. Ol dispela buk long Toea Projek Intefes seris i gat ol kain rot bilong ol student i kisim save. Ol arapela buk i bin kamap pinis em *Toea’s Road Safety Activity Pack* na *Toea’s Health and Hygiene Megapad*.

Program bilong helpim ol meri em wanpela arapela samting Projek i wok long strongim. Long selebretim Intenesenel Wimens De, Projek i givim mani long Bisnis Profesenel Wimens Klub long Pot Mosbi long givim skolasip long ol pikinini meri long Papua Niugini em famili bilong ol i no gat mani long baim skul fi long teseri na sekenderi skul. Dispela ogenaisesen i amamas long helpim planti handet Papua Niugini pikinini meri na ol yangpela meri long gohet long skul bilong ol.

Long mun Februeri, Projek i givim sapat we World Bank i sainim agrimen wantaim Papua Niugini Chamber of Mines and Petroleum long kirapim Wimens Resiliens Program. Dispela Program bai helpim ol meri long mekim kain kain bisnis insait long infomal emploimen sekta – dispela grup i bikpela tru long Papua Niugini. Ol konsalten bilong World Bank bai givim trening long ol meri long Apstrim na LNG plent sait komyuniti long ol kain samting olsem besik fainensel skil, kamapim gutpela sindaun bilong famili, na ol rot bilong painim mani olsem planim kaikai, samapim klos, kukim kaikai na ol kain samting olsem.

Wanpela bikpela samting Gavman bilong Papua Niugini i bin mekim long mun Februeri, em taim Palamen i tokorait long *Sovereign Wealth Fund Law*. As bilong dispela Fan em long was long mani gavman i spendim long taim i gat ol senis i kamap long mani em kantri i kisim long ol kain samting olsem oil, ges na gol. Ol narapela as bilong dispela Fan em bai i gat transperensi, akauntabiliti na gutpela gavenens.

Long begin bilong dispela kwata, Gavman bilong Papua Niugini i mekim bikpela samting long statim Extractive Industries Transparency Initiative – dispela pasin i promotim transperensi long taim ol i glasim olgeta mani ol kampani i baim na mani em gavman yet i kisim insait long kantri. I bin gat wanpela woksop i kamap long tupela de long Pot

Mosbi. Ol mausman bilong World Bank wantaim ol lain bilong Extractive Industries Transparency Initiative i tokaut long as bilong dispela program na ol rot bilong mekim dispela program i wok. Ol lain i makim sivil sosaiti, indastri na Gavman bilong Papua Niugini i bin stap long dispela woksop.

Konstraksen

Ol konstraksen wok bilong Projek i ran gut bihainim program bilong ol wok. Projek i winim planti bikpela samting long dispela kwata olsem: i wokim pinis 50 pesen bilong ol bikpela wok bilong stretim graun long Komo Ples Balus; pinisim na karim namba tu drilling rig i go; pinisim namba tu bilong foapela horisontel daireksenel drilling operesen; pinisim diteil disain bilong opso paipain; na winim mak tru long taim 453 trak lod bilong ol ikwipmen i lusim Lae na i go long Hides insait long wanpela mun.

10,000th weld bilong onso paipain i pinis

Long dispela kwata, Apstrim Infrastraksa kontrakta husat i winim ten milien aua bilong wok we i no gat Lost Time Incident i kamap, i bin kisim luksave bilong Projek long nambawan wok tru ol woka i mekim long sait bilong sefti, efektif sabkontrakta manesmen na wok bung na gutpela timwok.

Na tu, ol Esso Highlands Limited graun transpot woka i winim gutpela mak bilong sefti rekot we 7.5 milien kilomita na moa long 125 pasindia ka i bin draiv long en tasol i no gat wanpela Lost Time Incident i kamap.

Tebol 1 – Ol kontrak na bikpela wok konstraksen

Kontrak	Kontrakta	Ol Bikpela Wok Long Namba Wan Kwata 2012
Apstrim Infrastraksa (C1)	Clough Curtain Brothers Joint Venture	Pinisim na henova long planti eria bilong HGCP i go long kontrakta bilong Hides Ges Kondisening Plent na Hides Welpeds.
Opso Paipain (EPC2)	Saipem	Pinisim olgeta disain wok bilong paipain. Pinisim wok long 320 kilomita bilong dispela 344 kilomita hap bilong biksolwara opso paipain.
LNG Plent na Marin Fasilitis (EPC3)	Chiyoda and JGC	Sanapim pinis moa long hap proses eria stil na hap bilong paip ol i wokim na putim long Train 1. Sanapim pinis moa long 80 pesen pailing bilong marin jeti.
Hides Ges Kondisening Plent na Hides Welpeds (EPC4)	CBI Clough Joint Venture	Pinisim las sekap long diteil disain bilong sait. Pinisim ol pail bilong faundesen long planti eria.
Onso Paipain (EPC5A)	SpieCapag	Pinisim 10,000 th weld na namba tu bilong foapela horisontel daireksenel drilling operesen.
Komo Ples Balus (EPC5B)	McConnell Dowell and Consolidated Contractor Group	Pinisim 50 pesen wok bilong stretim graun long Komo Ples Balus na winim mak bilong wok long stretim graun.
Asosietet Ges Developmen	Kain kain	Ol ensinia wok bilong asosietet ges fasiliti i pinis. Pinisim yunit bilong Triethylene glycol.
Drilling (nupela wels na wokovas)	Nabors Drilling International Limited	Pinisim wok long namba tu drilling rig na kisim i go long Papua Niugini.



Opso instelesen sip Semac 1

Long dispela kwata, ol pri-konstraksen sevei i pinis long ol infrastraksa i sapotim onso paiplain. Sevei i karamapim ol eria olsem valv stesin, ol drilling pletform na ol akses rot. Pri-konstraksen sevei i glasim ol eria we i gat intres long ikoloji olsem ol gras bilong wara na kwaliti bilong wara long wok ples bilong Projek na long wankain taim tu, i luksave long wanem ol ples i gat ol samting bilong tumbuna o kalsa heritej sait. Wapela pri-konstraksen sevei tasol i stap nau em long 24.8-kilomita Hides Spine.

Wokfos developmen

Projek i winim mak bilong bikpela wokfos developmen we em i givim wan milien aua long trening i go long ol wokmanmeri bilong Projek, we 164,000 trening aua em ol i yusim long dispela kwata.

Ol wok bilong konstaksen i kamap bikpela nau long dispela yia, na Projek wokmanmeri i sanap long mak bilong 16,200 pipel. Namba bilong ol Papua Niugini husat i kisim trening long konstraksen na prodaksen long olgeta Projek sait i winim mak bilong 8,500.

16,200⁺ pipel i kamapim namba bilong Projek wokmanmeri

Long Janueri, namba wan grup i trening long Operesens na Meintenens long Prodaksen Seksen Operesen Trening Senta long Pot Mosbi i go long Nova Scotia, Canada long wan yia Advens Skills trening. Long pinis bilong dispela yia 2012, bai ol i kam bek long Papua Niugini na pinisim las hap bilong program we ol bai trening long wok long LNG plent sait na long Hides Ges Kondisening Plent (HGCP) long wok ol i kisim trening long en.

Long Juni Konstraksen Trening Fesiliti, namba wan lain husat i bin kisim trening i bin greduet long mun Mas na kisim Australian Quality Training Framework stended Certificate II in General Construction and Civil Construction. Na nau, namba tu lain we i gat 20 pipel i statim trening program bilong ol long mun Janueri.

Long mun Janueri, Jason Maisasa bilong Papua Niugini Institute of Medical Research (IMR) i go kisim trening long Baiomedikal Ikwuipmen Ripe Trening program long Dallas, Texas, aninit long MediSend International. Jason em i namba faiv Papua Niugini long kisim helpim aninit long dispela program na em bai kam bek wantaim gutpela save long sapotim wok bilong IMR na ol arapela helt senta long Hailans.

Groim ol Papua Niugini bisnis

I kam inap nau, moa long 880 milien Kina (US\$424 milien) i go pinis long ol Lendona Kampani (Lancos) long olgeta wok bilong Projek. Long dispela kwata, 195 milien Kina (US\$94milien) i bin go long ol Lancos na i soim 30 pesen moa long mak bilong las kwata. Bungim wantaim mak bilong olgeta mani Projek i spendim insait long kantri i kam inap nau em 4.3 bilien Kina (klostu US\$2.1 bilien).

4.3⁺ bilien Kina em ol i spendim long Papua Niugini i kam inap nau

Insait long tu na hap yia long ol wok bilong en, Enterprise Centre i bin sapotim 1,300 lokal bisnis wantaim trening na ol bisnis developmen trening program.



Air Niugini na Esso Highlands Limited i bung long Jacksons Ples Balus, Pot Mosbi long tok gutbai long ol dispela lain i go trening long Canada

Sefti, helt na sekiuriti

Projek i lukim wanpela man i dai long dispela kwata bihain long wanpela fran-en loda i bamim wanpela kontrakta husat i sapatim kwari operesen. Projek i salim bikpela tok sori i go long famili, ol pren na wanwok bilong dispela tim memba bilong mipela. Wanpela tim i hariap long mekim wok painimaut na ol i toksave long ol atoriti. I gat olkain Projek toksave na program i kamap long toksave long sefti na trefik long ples we konstraksen i kamap long stapim kain eksiden olsem i kamap.

Papua Niugini lenslaid

Projek wantaim ol arapela lain i helpim ol sitisen bilong Papua Niugini bihain long Tumbi lenslaid i kamap na planti pipel i dai na ples bilong ol i bagarap.

Dispela lenslaid i kamap klostu long Hides na Komo eria long Januəri 24, 2012. Ol lenslaid i save kamap long Hailans bilong Papua Niugini na Gavman bilong Papua Niugini i wok long mekim wok painimaut nau long dispela birua.

Projek na ol samting bilong wok i no kisim bagarap, tasol Projek tim i givim sapat long ol lokal komyuniti na long lain bilong Gavman husat i go pas long ol wok bilong dispela birua. Projek i givim haus slip long Juni Konstraksen Trening Fesiliti, ol ka, ples bilong putim ol kago na operesen senta bilong ol wok bilong helpim na painim ol lain i kisim bagarap. Projek i givim ol kaikai, kandis, wara na ikwipmen bilong lait long ol lokal komyuniti. Na tu, Projek i givim ol bikpela masin bilong en long Gavman i yusim na stretim gen rot long Komo i go long Hailans Haiwe. Long taim lenslaid i bagarapim rot i go long Komo, Projek i yusim helikopta long karim ol marasin samting i go long Malanda Health Centre. Na tu, Projek i givim 135,000 Kina (samting olsem US\$65,000) i go long Salvation Army long helpim ol pipel long dispela eria husat i kisim bagarap.

Long dispela kwata, ol hevi bilong sekiuriti long Komo eria i kamap bikpela na kamapim hevi long komyuniti. I gat wok painimaut i kamap na ol i stretim na putim moa samting bilong sekiuriti long lukautim ol woka bilong Projek. Eksampel, Projek i stretim gut redio komyunikesen; lukautim gut raun na sefti bilong ol ka; na stretim gut rot bilong bihainim na lukautim ol woka long taim imejensi i kamap. Nau i gat planti moa wok konstraksen i kamap long Hides na Komo, Projek i mekim moa wok insait long komyuniti long toksave long ol komyuniti long wanem samting i kamap na karim bekim bilong komyuniti i go long Projek tim.

Projek i strongim tu ol program bilong helt long dispela kwata long kamapim gut wok bilong stapim, painimaut na givim marasin long ol sik olsem malaria na tubekulosis. Eksampel, Projek i sponsa long wanpela World Health Organization Grade 1 speselis long go pas long wanpela trening long ritim ol malaria slaid, skelim Projek na makim ol Papua Niugini komyuniti helt laborator long kisim akreditesen bilong World Health Organization.

Projek i gohet yet long wok wantaim ol komyuniti, Gavman bilong Papua Niugini na ol non-gavman ogenaisesen long kamapim sastenabel helt sevis bilong ol Papua Niugini sitisen husat i stap long ol Projek impek eria.

Wok bilong sanapim National Infectious Disease Diagnostic and Research Laboratory i kamap long dispela kwata long taim ol i brukim graun long statim wok long University of Papua New Guinea School of Medicine and Health Sciences baiomedikel laborator long Pot Mosbi. IMR bai bosim dispela wok wantaim sapat bilong Projek na University of Papua New Guinea School of Medicine and Health Sciences. Dispela laborator bai givim moa trening long ol saientis bilong Papua Niugini. Em bai go pas tu long ol wok bilong luksave hariap na helpim long stapim ol sik nogut i kamap bikpela.

Wok bilong envairomen

Long mun Mas, wanpela lain ol i kolim Lender Group's Independent Environmental and Social Consultant (IESC) i mekim namba sikis sait odit. Ol i lukluk raun long ol ples wok na miting wantaim ol Projek woka na memba bilong ol komyuniti long glasim wok bilong Projek wantaim ol envairomen na sosel program bilong en. Long dispela lukluk raun, projek wantaim IESC i pasim tok long surukim taim bilong givim fainal ripot bilong Projek Baiodaivesiti Ofset Deliveri Plen bilong Desemba 2011 i go long Desemba 2012. Dispela bai givim taim long ol stekholda long givim tingting bilong ol tu.

Bai ol i putim ol samting IESC i painimaut long lukluk raun bilong en long websait bilong Projek long taim ripot bilong ol i pinis. Long dispela taim tu, IESC i tokaut long ripot bilong en bihain long namba faiv lukluk raun ol i bin mekim long Novemba 2011.

Weist manesmen em i bikpela samting long komitmen bilong Projek long kamapim gut envairomen pefomens bilong en, olsem na em i bikpela de long taim ol i opim LNG plent sait lenfil long dispela kwata.



Seremoni bilong planim diwai long selebretim ofisal opening bilong LNG plent sait lenfil

I bin gat wanpela agrimen namel long opereta bilong lenfil na ol arapela kontrakta long i no ken bungim ol pipia wantaim, ol i mas rausim na putim stret, na pasin bilong yusim gut dispela lenfil.

Spil reit bilong Projek long dispela kwata i wok long kamap gut moa i winim mak bilong 2011. Ol i skruim moa taim long wok, tasol namba bilong ol spil i go daun long mak bilong 50 pesen long dispela kwata. Dispela samting i kamap long taim ol i putimaut toksave bilong Sefti, Sekiuriti, Helt na Envairomen (SSHE) Alet long ol rot bilong stapim spil.

Onso Paiplain kontrakta i statim ol namba wan wok nau long hap bilong Lake Kutubu Wildlife Management Area. Ol woka i save kisim toksave long wok bilong envairomen na ol i kisim dispela toksave gen long taim bilong tulboks toktok.

Projek wara taskfos ol i bin kirapim long namba foa kwata 2011 i stat wok wantaim ol kontrakta long dispela kwata long lukluk long ol wari bilong komyuniti long ol samting i kamap long wara na long skelim gen ol plen bilong wok long wara, plen bilong kisim wara, komyuniti wara sistem na kwaliti bilong wara. Long dispela taim tu, Projek i wok long bihainim yet mak bilong wara em i kisim aninit long Projek Envairomen Permit na ol i no askim long kisim moa wara long dispela kwata.

Projek i givim tu sapot long Piku Conservation Project, we ol i wok long mekim awenes long trausel bilong wara ol i kolim Pik NusTrausel. Populesen bilong ol i wok long sot nau.



Piku – Pik Nus Trausel

Wokbung wantaim ol stekholda na komyuniti

Long taim ol i mekim toksave bilong trafik sefti long komyuniti, Sosioekonomik tim bilong Projek i skruim moa wok long kamapim save na ol risos long ol komyuniti long Projek imek eria.

Eksampel, Projek i givim sapot long Community Development Initiatives (CDI) Foundation long baim na putim jenereta we bai givim pawa long opis bilong ol na kirapim gen redio stesin CDI FM.

Dispela redio stesin i save brodkas ol redio program em ol lokal lain yet i kamapim long ol Projek eria. Dispela sapot bai helpim long givim wok na helpim komyunikesen long ol komyuniti long dispela eria.



Trafik na pedestrian sefti awenes i kamap long Tamadigi

Long taim ol wok long Projek i gohet, Sosioekonomik tim i wok wantaim ol komyuniti long strongim gutpela pren na wanbel, na ol i wok tu wantaim ol arapela Projek tim long Pot Mosbi na ol fil tim long lukim olsem ol i stretim hariap wanem hevi o wari i kamap. Long dispela kwata, i bin gat 132 wari ol i rejista na i soim olsem moa wok i kamap olsem na namba bilong ol wari na hevi tu i surik i go antap abrusim 117 bilong las kwata. Stretim ol wari insait long 30 de em i bikpela salens bikos ol lain i no hariap long rait na toksave sapos ol i wanbel long wanem samting i kamap long stretim wari bilong ol.

Projek i wok klostu wantaim Gavman bilong Papua Niugini long toksave long ol opisal wanem samting i kamap long Projek. Long dispela kwata, Papua Niugini Dipatmen bilong Petroleum na Eneji i salim ol fil opisa i go long Apstrim Saut (Gobe na Kantobo) na Apstrim Not eria long stretim ol hevi na wari em Gavman yet i mas stretim. Projek i save bung wantaim Dipatmen bilong Petroleum na Eneji long stretim wanem kain hevi i kamap long Projek.

27,500+ pipel long ol engesmen ektiviti i kam inap nau

Long taim Projek i wok long kamapim ikononik na sosel sastenabiliti wantaim ol pipel bilong Papua Niugini, Projek i amamas tasol long kisim komyuniti intres o wari olsem bai em i hariap long stretim na olgeta stekholda i kisim toksave long wanem samting i kamap.





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ExxonMobil

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