



**PNG LNG Kwatali
Envairomen na Sosel Ripot**

Namba Foa Kwata

2012



PNG LNG

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



Sapotim Papua Niugini long bihaintaim

“Astingting bilong mipela em long givim trening na sans bilong kamapim gutpela senis na helpim laip bilong ol Papua Niugini woka.”

Decie Autin, Projek Eksekutiv, Esso Highlands Limited



Long taim Papua Niugini Likwifait Neturel Ges (PNG LNG) Projek (Projek) i pinisim namba tri yia bilong ol konstraksen wok, em i lukluk yet long kamapim ol samting we i ken helpim ol komyuniti olsem givim wok long pipel, trening, givim sans bilong kirapim bisnis, na ol arapela progrem bilong helpim sindaun bilong pipel, na tingting tu long sindaun na kalsa bilong ol komyuniti husat i stap long Projek eria.

Insait long dispela tripela yia i go pinis, Projek i wok strong tru wantaim olgeta stekholda long kamapim kain luksave em yumi ken kolim ‘sosel laisens bilong wok’ long Papua Niugini na i lukim dispela luksave olsem wanpela bikpela hap bilong bisnis bilong mipela. Dispela pasin i helpim Projek long kamapim gutpela wokbung namel long ol komyuniti insait long Projek eria, na tu, wantaim ol Papua Niugini sitisen na ol Projek woka husat i stap long ol dispela komyuniti.

I tru olsem mak bilong taim Projek i bin putim long pinisim wok em i bikpela samting, na long wankain taim tu, olsem wanem Projek i winim dispela mak em i wanpela bikpela samting tu. Projek i luksave olsem wok i kamap gut long taim sefti na sekiuriti bilong ol wokmanmeri na lokal komyuniti i stap gut, promotim pasin bilong lukautim envairomen na helpim long kamapim sastenebel nesenebel kapesiti. Projek i traimitu long kamapim ol strongpela Papua Niugini wokmanmeri, husat inap sanap long strong bilong ol yet long bihaintaim bikos long save ol i kisim long taim ol i wok long Projek.

Dispela em i namba twelv PNG LNG Kwatali Envairomen na Sosel Ripot, na i soim olsem wanem Esso Highlands Limited, opereta bilong dispela Projek, i wok bung wantaim ol stekholda long kamapim tru sefti, helt, envairomen na sosel komitmen bilong Projek. Esso Highlands Limited, wanpela han bilong Exxon Mobil Corporation, i go pas long Projek long mekim wok bilong konstraksen na operesen na i divelopim Projek wantaim ol ko-vensera olsem: Oil Search Limited, National Petroleum Company of PNG (Kroton) 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.

Konstraksen

Insait long dispela kwata, ol wok bilong Projek wantaim ol kontrakta bilong en i no bin painim wanpela birua na em i wanpela seif kwata tru we ol wok i winim mak bilong 19.4 milien aua na i no gat wanpela stop wok, o Lost Time Incident i bin kamap. Long dispela kwata tu, LNG Plent na Marin Fasilitis kontrakta i pinisim wok bilong weldim olgeta 120 paip rek moduls bilong LNG jeti. Wok i bin pinis tu long ol ina tenk ring bilong tupela LNG tenk.

Mekanikel wok i pinis long opso paipplain na i winim bikpela mak long taim las wok bilong weldim i kamap long mun Desemba. Long Komo Ples Balus, ol i putim namba wan kolta antap long 1.6 kilomita ranwe. Ol Materiel Lojistiks tim i pinisim gut yia wantaim rekod namba bilong ol kago bilong Projek, we ol i karim 9,000 kago lod long Lae i go kamap long Tari insait long 2012.

20+ milien wok aua long LNG plent sait na i no gat Lost Time Incident

Konstraksen i stap long Tebol 1.



Lukluk i go daun long Hides Ges Kondisening Plent

Tebol 1 – Ol kontrak na bikpela wok konstraksen

Kontrak	Kontrakta	Ol bikpela wok long namba foa kwata 2012
Apstrim Infrastraksa (C1)	Clough and Curtain Brothers Joint Venture	Pinisim namba wan wok bilong kliaim bus na katim ol diwai long dispela 22-kilomita Hides Welpeds Akses Rot.
Opso Paiplain (EPC2)	Saipem	Pinisim mekanikel wok long opso paiplain wantaim las wok bilong weldim i kamap long mun Desemba.
LNG Plent na Marin Fasilitis (EPC3)	Chiyoda and JGC Joint Venture	Dispela LNG Plent na Marin Fasilitis kontrakta i winim moa long 20 milien aua long wok na i no gat stop wok o Lost Time Incident i bin kamap. Weldim olgeta 120 paip rek moduls na pinisim Marin Kontrol Bilding long LNG jeti. Pinisim insait tenk ring long tupela LNG tenk.
Hides Ges Kondisening Plent na Hides Welpeds (EPC4)	CBI and Clough Joint Venture	Pinisim olgeta kemp. Pinisim ol faundesen bilong mein paip rek, ol kompresa na ol pawa jenereta. Pinisim wok bilong putim na haidrotestim firewater sistem long ol paip i stap anit long graun long yutilitis eria.
Onso Paiplain (EPC5A)	SpieCapag	Moa long 215 kilomita bilong mein lain na spur lain paip ol i weldim na haidrotestim 176 kilomita bilong paiplain. Pinsim wok long haidrotestim, dewatering na air-drying ol paip long Kopi Scaper Station.
Komo Ples Balus (EPC5B)	McConnell Dowell and Consolidated Contractor Group Joint Venture	Putim namba wan kolta i go kamap long namel bilong ranwe. Pinisim 800 mita long las hap bilong kolta.
Asosietet Ges Developmen	Kain kain	Stat-ap, testim na henova long thermal oxidizer i go long operesens grup.
Drilling	Nabors Drilling International Limited	Olgeta wok i ran gut long drilim apa seksen bilong namba wan lain wels.

Sefti, helt na sekiuriti

Wanpela bikpela mak tru bilong sefti i bin kamap long dispela kwata, we moa long 800 woka i greduet long dispela Sefti Sempian inisitiv bilong Projek. Dispela gutpela luksave bilong Sefti Sempian i kamapim bikpela intres namel long ol kontrakta husat i wok long givim nem bilong ol kendidet long stap insait long dispela inisitiv. Eksampel, long dispela kwata, ol Projek na kontrakta sekiuriti tim i wok long stap insait long inisitiv. Inisitiv bilong Sefti Sempian i kamap bikpela na i karamapim planti tokples na kalsa grup na i soim olsem em i kamap gut.

Long mun Oktoba, dispela Independent Environment and Social Consultant bilong Lender Group i bin wokim independen reviu bilong Helt Manesmen Progrem bilong Projek na komyuniti helt inisitiv. Ol wok painimaut bilong dispela rivi i soim olsem pasin bilong ranim dispela Progrem i “winim tru mak bilong gutpela pasin”. Reviu i soim tu olsem okupesenel helt progrem bilong Projek i go pas nau wantaim gutpela wok bilong glasim wanem samting i kamap gut o i pundaun long wok bilong malaria kontrol, tubekulosis kontrol, kaikai na wara sefti, vekta kontrol, hajjin na sanitesen, klinikal operesen na pasin bilong kontrolim ol infekses sik i kalap long ol pipel.

Projek i kamapim planti komyuniti helt inisitiv, na wanpela bilong ol em taim Prince of Wales na meri bilong em Duchess of Cornwall i opim helt klinik long Boera Viles long dispela kwata. Dispela klinik na nupela haus bilong medikal woka i bin kamap bihain long faivpela mun wok em tim bilong ol lokal volantia i mekim wantaim sapot bilong Projek na ol kontrakta bilong en.

Nupela National Infectious Disease Diagnostic and Research Laboratory i bin op long dispela kwata. Dispela Laboratory i kamap nau bihain long bikpela wok bung namel long Papua New Guinea Institute for Medical Research (IMR), University of Papua New Guinea na Projek long developim gutpela kwaliti fasiliti we ol yangpela Papua Niugini saientis i ken developim save bilong ol long baiomedikal risets na daignostiks.



Long taim bilong opim dispela National Infectious Disease Diagnostic and Research Laboratory, kirap long lephan i go long raitan: Profesa Ken Sumbuk, Ekting Vais Sansela, University of Papua New Guinea; Pascoe Kase, Seketeri ov Helt, Gavman bilong Papua Niugini; Peter Graham, Manesing Dairekta, Esso Highlands Limited; Decie Autin, Projek Eksektiv, Esso Highlands Limited; na Profesa Peter Siba, Dairekta, IMR

Wokfos developmen

Namba bilong ol wokmanmeri bilong konstraksen i wok long gro long taim ol wok bilong konstraksen i kamap yet long Hides Ges Kondisening Plent na long LNG plent sait. Long pinis bilong 2012, total namba bilong Projek wokmanmeri i sanap long mak bilong 21,220, dispela mak i 47 pesen moa long namba bilong ol wokmanmeri long pinis bilong 2011.

21,220 pipel i kamapim
namba bilong Projek
wokmanmeri

Projek i wok long givim wok long ol Papua Niugini pipel long eria bilong konstraksen we em inap long mekim, tasol long wankain taim tu, em i wok long redim ol woka long painim wok long bihaintaim insait na outsait long Projek.

I kam inap nau, Projek i givim moa long 1.6 milien aua long trening, we moa long 678,500 trening aua i kamap long 2012. Klostu olsem 140,000 aua trening i bin kamap long dispela kwata tasol. Dispela i karamapim moa long 6,800 kos i kamap long Projek long taim ol wok i stat i kam inap nau. Long 2012, Projek i kamapim moa long 3,650 kos, na long ol dispela kos, 828 i bin kamap long dispela kwata.

Namel long ol lain husat i bin kisim trening, em namba wan lain husat i stap insait long Operesens na Mentanens trening progrem. Ol i kam bek long Papua Niugini long dispela kwata bihain long ol i pinisim wanpela yia Advens Skils trening long Nova Scotia, Canada. Dispela lain i wokim trening-long-pleswok we ol bai redi long mekim ol wok insait long operesens bilong Projek.



Namba wan lain greduet bilong Operesens na Mentanens grup bilong Projek long greduesen seremoni long Papua Niugini

Long 2013, bai namba bilong ol wokmanmeri bilong Projek i stat long surik i kam daun long taim ol konstraksen wok i pinis na ol demobilaisesen ektiviti bilong Projek i wok long redim ol pipel long dispela taim. Trening na save wan wan wokmanmeri i kisim long taim ol i wok long Projek bai helpim ol long painim narapela wok na developim tu ol komyuniti bilong ol.

Projek i wok wantaim Papua Niugini Gavman long painim rot bilong givim wok long ol dispela skil woka long ol Gavman projek long taim ol wok bilong Projek i pinis.

Groim ol Papua Niugini bisnis

Ol Papua Niugini bisnis i go pas long mekim wok bilong givim ol guds na sevis long olgeta hap bilong Projek eria, we ol Lendona Kampani (Lancos) i go pas long wok bilong saplainm ol samting. Mani em Projek i spendim long ol Lanco long dispela kwata i winim mak bilong 220 milien Kina (US\$104 milien). Long taim Projek i stat, 1.47 bilien Kina (US\$700 milien) em ol i spendim long ol Lanco. Wantaim ol Lanco, i gat ol arapela Papua Niugini bisnis tu long ol Projek eria husat i mekim ol sapot wok olsem kemp rental na ikwipmen haia.

I kam inap nau, mani em Projek i spendim insait long kantri i winim mak bilong 6.65 bilien Kina (US\$3.16 bilien). Long dispela mani, Projek i spendim 813 milien Kina (US\$387 milien) long dispela kwata.

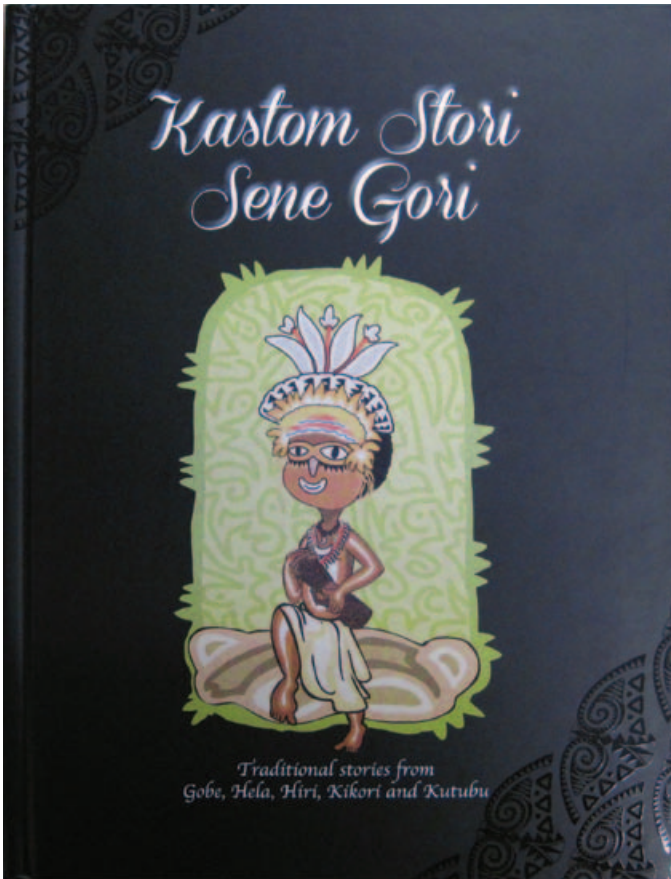
6.65 bilien Kina em ol i
spendim long Papua Niugini i
kam inap nau

Enterprise Centre i gohet yet long sapotim developmen bilong ol Papua Niugini bisnis. Long pinis bilong 2012, moa long 14,600 Papua Niugini bisnismannmeri i bin kisim helpim long ol woksop, yusim wokstesin, ol bisnis miting na kisim infomesen long dispela Centre. Dispela Centre i givim moa long 6,700 trening de na moa long 800 mentoring na edvaisori de long ol lokal bisnis na ol Lanco tu.

Sosel developmen

Wanpela bikpela samting i bin kamap long dispela kwata em wanpela buk ol i kolim *Kastom Stori Sene Gori*. Dispela buk i makim gutpela wok bung wantaim ol komyuniti, na i kamap bihain long wanpela kompetisen bilong raitim stori na droim ol piksa insait long 26 skul long ol Projek impek eria long 2011. Dispela buk i gat ol stori tumbuna na piksa bilong ples bilong ol wina bilong dispela kompetisen em ol yet i raitim na droim.

Bihainim dispela *Kastom Stori Sene Gori* kompetisen na ol arapela inisitiv bilong ol skul, wantaim dispela Toea buk bilong ol pikinini seris, Projek i developim wanpela Sapot tu Skuls Plen bilong 2013. Bai ol i painim ol skul long wok wantaim na sapotim ol eria bilong infrastraksa developmen, kamapim gut kwaliti bilong edukesen sevis, trening bilong ol tisa na skul bod na helpim ol arapela ektiviti outsait long skul wok.



Dispela Kastom Stori Sene Gori buk

Projek na ol lokal komyuniti i selebretim taim ol i opim gen Lea Lea Bris. Dispela nupela bris i op gen klostu olsem wanpela yia bihain long olpela bris i bruk long taim ol king tait long Krismas 2011 i karim pipia i kam na brukim. Long dispela taim tu, namba wan komyuniti ritel stua i op autsait long konstraksen banis bilong LNG plent sait. Dispela stua i givim sans long ol pipel bilong foapela viles long LNG plent sait, Boera, Papa, Lea Lea na Porebada long painim wok na kisim trening long dispela stua i stap klostu long ples bilong ol.

Ol sapot progrem bilong ol Papua Niugini meri i wok long kamap long dispela kwata. Long dispela kwata, 127 meri long ol viles long LNG plent sait i bin stap insait long wanpela trening progrem i kamap aninit long Women in Mining and Petroleum grup. Dispela trening i karamapim foapela wik na i lukluk long nutrisen, helt na haijin, samapim ol klos na besik bisnis skil olsem buk kiping.

Pesonal Vaibiliti trening i wok long kamap long Komo, Habono (Hides) na long ol viles long LNG plent sait, na i bringim namba bilong ol pipel i kisim dispela trening i go antap long mak bilong 940.

Wok i kamap tu long wanpela Agricultural Development Plan em ol komyuniti yet i go pas long en. Dispela plen i karamapim sapot progrem long givim moa trening long ol wok bilong fam, ol samting bilong planim na ol tuls. Bai em i givim yet sapot i go long ol lain i kam long ol viles long LNG plent sait.



Ol mauslain bilong Projek, ol volantia na memba bilong komyuniti long seremoni bilong opim Lea Lea Bris

Wok bilong envairomen

Long dispela kwata, Projek i rekodim liklik haidrokabon spil reit tru bihain long Janueri 2010. Namba bilong ol spil em i hap tasol long namba bilong ol spil long namba foa kwata bilong 2011, we 58 spil tasol i bin kamap long dispela kwata na 102 i bin kamap long las yia.

I bin gat liklik spil tasol bikos ol kontrakta i was gut tru long 2012. Eksampel, kontrakta bilong Onso Paipain i mekim wanpela spil dril long Moro eria we komunikesen, wok redi na rispons i bin kamap gut tru. I no bin gat toksave bipo long dispela dril i kamap. I bin gat Projek inisitiv i kamap tu long daunim hevi bilong spil long ol haidrokabon taim ol i banisim gut na putim laining long ol kontena storej eria.

Narapela bikpela samting i kamap long dispela kwata em taim ol wok i pinis long ples bilong rausim ol pipia o weist proses bilding long Hides Weist Manesmen Fasiliti. Long pinis bilong dispela kwata, ol i pinisim wok long putim ol weist prosesing ikwipmen olsem weighbridge, tire debeader, industrial shredder na drum crusher na redi tasol long mekanikel komplisen na komisining.

Long dispela kwata, Projek i statim wok bilong Biodiversity Offset Delivery Plan na wok wantaim ol ki stekholda long protektet eria plening long Kikori River Basin, mekim ol wok aninit long National Biodiversity Strategy and Action Plan bilong Papua Niugini, kamapim konsevesen kapesiti bilong kantri na strongim wok long Lake Kutubu Wildlife Management Area.

Wokbung wantaim ol stekholda na komyuniti

National Road Safety Council bilong Papua Niugini i pinisim Rot Sefti Awenes kempein long Hailans Haiwe. Projek i sponsa long dispela progrem na ol i bin mekim dispela kempein long Goroka i go inap long Hides na Komo long Hela Provins.

Moa long 50,000 pipel long ol komyuniti i stap arere long Hailans Haiwe i bin kamap long dispela Rot Sefti Awenes kempein long ol skul, komyuniti senta, maket na ol viles. Sefti bilong ol pipel na rot sefti awenes long ol konstraksen sait em planti ol komyuniti wok Projek i bin kamapim long dispela kwata.

Namba bilong ol pipel husat i bin go lukluk raun long kisim save long wanem samting i kamap insait long LNG plent sait long dispela kwata em 290 visita husat i kam long ol skul, komyuniti ogenaísesen na Gavman. Dispela lukluk raun i givim save long ol skul studen na lokal komyuniti long wanem konstraksen wok i kamap na i strongim toktok bilong helt na sefti tu. Wantaim ol lukluk raun long sait, Projek i sapotim tu ol skul helt na sefti edukesen progrem.



Ol Redscar High School studen i redi long statim lukluk raun long LNG plent sait

Drama em i wanpela rot ol i yusim long komyuniti miting na woka toolbox toktok i save givim planti gutpela toktok long ol kain samting olsem: pasin bilong lukautim gut mani; demobilaisesen; pasin bilong stretim ol komplein; sefti bilong han; haijin long haus kuk; malaria awenes; na wanem samting i ken kamap long pasin bilong stil na kaikai buai na ol arapela samting we i gat tambu long en.

I kam inap nau, Projek i kamapim samting olsem 840 fomal engesmen wantaim ol komyuniti long ol Projek eria. Dispela taim tu ol i bin bung wantaim 1,260 pipel long infomel engesmen.

~840 fomal engesmen i kamap inap nau

Long 2012, moa long 30 woksop i kamap wantaim ol provinsal na nesanel gavman dipatmen na ol foren embesi aninit long Advokesi Woksop progrem. Dispela i karamapim tu ol impoten manmeri husat i kam lukluk raun long kantri na ol lida bilong ol ovasis gavman. Ol miting i kamap long ol provins long toksave long narapela 455 nesanel na provinsal gavman mauslain long konstraksen bilong LNG plent sait.

Ol wok bilong kamapim Projek na pasin bilong manesmen long kamapim wok, wantaim tingting na helpim i kam long ol ko-vensera, na sapot i kam oltaim long Gavman bilong Papua Niugini na ol komyuniti, em ol samting i ken kamapim gut ol wok long Papua Niugini.

Dispela PNG LNG Projek i soim wol, em ol invesmen wol – wanem samting Papua Niugini inap long kamapim. Wok bung wantaim long kamapim gut dispela Projek em i wanpela strongpela faundesen bilong nupela kain developmen i kamap long dispela spesel, na impoten kantri.





PNG LNG

www.pnglng.com

Port Moresby - Project Headquarters
Esso Highlands Limited
Lawes Road, Munidubu Street
GPO Box 118
Konedobu, Port Moresby
Papua New Guinea

Email: pnglngproject@exxonmobil.com

ExxonMobil

PNG LNG i wok olsem wanpela han kampani bilong ExxonMobil insait long ko-vensa wantaim:



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