



**PNG LNG Kwatali
Envairomen na Sospel Ripot**

Namba Tri Kwata

2011



PNG LNG

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



Givim save long ol meri long stap insait long iekonomik divelopmen bilong Papua Niugini

“Helpim ol Papua Niugini long kisim benefit i kamap long dispela divelopmen, em wanpela han mak dispela Projek bai kamapim.”

Decie Autin, Projek Eksekutiv, Esso Highlands Limited

“I gat planti sans long ol (Papua Niugini) meri na yangpela meri i helpim ol yet long kamapim gutpela na stretpela sindaun.”

Florence Bunari, Bisnis Meri

Papua Niugini Likwifait Neturel Ges (PNG LNG) Projek (Projek) i wok long kamapim han mak we ol komyuniti bai benefit long en long planti yia bihain long taim em i strongim wok bilong givim sans long ol meri bilong Papua Niugini. Nau i gat moa long 900 meri, husat i kamapim eit pesen bilong ol wokmanmeri bilong Projek, ol meri i mekim tu wok bilong go pas long kamapim planti samting insait long komyuniti divelopmen olsem edukesen, komyuniti helt na sefti, na infrastraksa. Projek i yusim Enterprise Center long givim bisnis trening na promotim sans bilong ol bisnis bilong ol meri long provaidim ol guds na sevis i go long Projek na ol kontrakta bilong en.

Dispela em i namba seven PNG LNG Kwatali Envairomen na Sosel Ripot, na i soim olsem Esso Highlands Limited, opereta bilong Projek, i bihainim stret ol samting em i tok long mekim long eria bilong sefti, helt, envairomen na sosel manesmen. Esso Highlands Limited, wanpela han bilong Exxon Mobil Corporation, i mekim wok bilong konstraksen na operesen long nem bilong ol narapela 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.

Ol wok pastaim long konstraksen

I kam inap nau, ol sevei bilong pri-konstraksen i karamapim 87 pesen bilong 292-kilomita rot bilong paiplain, na sevei long 10-kilomita Gobe Spurline na 2-kilomita Kutubu Spurline i pinis. Ol i no painim ol nupela kalsa heritej sait, long namba tri kwata.

87 pesen bilong 292-kilomita bikpela paiplain rot ol i seveim pinis

“Mi no putim yunifom nating. Mi bilip tru. Dispela Projek i olsem kiau long han bilong mi. Mi mas lukautim gut; Mi laik wok inap em i karim kaikai.”

Christine Yango, Stekholda Engejmen Tim Lida

Konstraksen

Olgeta bikpela wok i kamap nau long Papua Niugini, na konstraksen i wok long go kamap nau long Liwifait Neturel Ges (LNG) plent sait, bihainim rot bilong paiplain na long Hailans rijon. Olgeta wok i ran gut long bungim yia 2014 taim bilong stat salim ges. Bikpela wok i kamap long dispela kwata em deliveri bilong ol las lain paip seksen i go long Kopi Shore Base, we ol i karim 40,000 seksen bilong paip long 292-kilomita mein onso paiplain i go kamap gut, na i no gat wanpela bagarap i kamap.



Lukluk i go daun long LNG plent sait

Long dispela kwata, wok bilong testim na sanapim tupela driling rig i pinis. Ol i rausim gen na redi long salim rig i kam long Papua Niugini, na ol i wok yet long namba tu rig long Yunaitet Stets bilong Amerika.

Tebol 1 – Ol kontrak na bikpela wok konstraksen

Kontrak	Kontrakta	Ol bikpela wok long namba tri kwata 2011
Apstrim Infrastraksa (C1)	Clough Curtain Brothers Joint Venture	Pinisim wok bilong stretim graun long Hides lenfil, na wok bilong putim ol samting bilong stapim wara i go insait, klostu i pinis. Ol wok bilong Hides Ges Kondisening Plent (HGCP) medikel klinik i pinis.
LNG Plent Eli Woks (C2)	Curtain Brothers Papua New Guinea Limited	Ol wok bilong brukim graun long faundesen bilong Train 2 i stat.
Opso Paipplain (EPC2)	Saipem	Pinisim na givim olgeta opso lain paip long faktori long Japan i go long paip koting fasiliti na lod aut eria long Malesia. Pinisim ol wok bilong onso paipplain trens long Caution Bay.
LNG Plent na Marin Fasilitis (EPC3)	Chiyoda and JGC Corporation	Kapsaitim namba wan simen faundesen bilong ol LNG tenk. Kwata simen pos bilong bris long solwara i pinis.
Hides Ges Kondisening Plent na Hides Welpeds (EPC4)	CBI Clough Joint Venture	Namba wan faundesen pail bilong HGCP i kamap long sait na wok bilong welding i stat. Sanapim wanpela ples bilong weist manesmen.
Onso Paipplain (EPC5A)	SpieCapag	Ol las lain paip bilong 292-kilomita onso paipplain i kamap long Kopi Shore Base. Moa long 30-kilomita paipplain stringing na welding i pinis.
Komo Ples Balus (EPC5B)	McConnell Dowell and Consolidated Contractor Group Offshore	Wok bilong stretim graun i gohet yet we ol i rausim moa long 600,000 kubik mita graun long mun Ogas.
Asosietet Ges Developmen	Kain kain	Komisen ges yunit i kamap long Lae na konstraksen bilong yunit faundesen i stat long Kutubu Sentral Prosesing Fasiliti. Wok long ol haus slip long Gobe i pinis.
Driling (nupela wels na wokovas)	Nabors Drilling International Limited	Wanpela bilong tupela driling rig ol i redi nau long kisim i kam long Papua Niugini.

I bin gat bikpela ren i wok long pundaun long dispela kwata, tasol konstraksen bilong onso paipplain i gohet gut, we ol i seveim olgeta rot bilong paipplain na ol i stretim 103-kilomita bilong paipplain stringing na welding. Moa long 30-kilomita bilong paipplain stringing na welding em ol i pinisim long dispela kwata.

Long LNG plent sait, kontrakta i winim seven milien aua long wok we i no gat Lost Taim Insiden i kamap na i pinisim wok long pailing bilong LNG ofloding pletform na wok long jeti i gohet yet. Onso trens wok long Caution Bay bilong ol opso paipplain i pinis. Na tu, Projek i senisim ples bilong putim ol graun ol i digim long opso trens long stapim graun i go nabaut na bagarapim ol rip na ples we i gat ol gras bilong solwara long Caution Bay.

Kontrakta bilong Apstrim Infrastraksa tu i winim moa long 8 milien aua long wok we i no gat wanpela Lost Taim Insiden i bin kamap. Apstrim Infrastraksa divelopa i givim trening long 164 Papua Niugini woka, na kontrakta long Komo Ples Balus i givim trening bilong Chance Finds Protocol long ol woka long Timala River Borrow Pit.

Wokfos divelopmen

Bihainim global wokples na leba polisi bilong ExxonMobil, Projek bai kamapim positiv, prodaktiv na sapotiv wok envairomen. Ki bilong dispela em long divelopim na holim ol save lain long wokfos i makim ol Papua Niugini.

Projek wokmanmeri i wok long gro long taim moa konstraksen wok i kamap. Long pinis bilong mun Septemba, namba bilong ol wokmanmeri long Projek i winim mak bilong 11,000 na 65 pesen bilong ol wokmanmeri bilong Projek em ol Papua Niugini.

Moa long 7,200 Papua Niugini woka em ol sitisen, o 65 pesen woka bilong Projek

Save bilong ol Papua Niugini woka i wok long divelop wantaim helpim i kam long ol kain ples olsem Pot Mosbi Konstraksen Trening Fasiliti. I kam inap nau, Projek wantaim ol kontrakta i givim trening long moa long 6,000 Papua Niugini sitisen long eria bilong konstraksen na ol arapela kain wok olsem na long ol prodaksen wok i kamap bihain. Dispela i wankain olsem 700,000 aua i go long trening, we long dispela kwata, ol i yusim samting olsem 200,000 aua.

Ol i givim tu refresa trening kos long skruim save bilong ol woka husat i wok long Projek long moa long 12-pela mun.

Sefti, helt na sekiuriti

Wokbung wantaim komyuniti em astingting i go pas long sekiuriti strateji bilong Projek. Projek i wok long toksave long ol lendona na komyuniti long yusim ol rot i stap pinis long stretim wanem kain hevi i kamap long ol wok bilong Projek.

Long sampela hap we ol operesen bilong Projek i kamap, i gat planti hevi i save kamap, na long dispela kwata wanpela ovasis woka i kisim bikipela bagarap taim ol lain i paitim em. Projek i wok wantaim ol kontrakta long strongim sekiuriti long ol ples bilong wok.

Gutpela rot bilong ripot long helt program na pasin bilong bihainim program i helpim ol wok. Nau ol i luksave long ol helt indiketa, na ol i ken skelim risos i go long eria we i nidim tru helpim. Eksampl, ol ki eria ol i wok long en long dispela kwata em klinikel sevis, malaria, na sekap long sik TB, na sevis bilong ples slip long ol kemp.

Projek i kirapim Sefti Sempian inisitiv long mun Septemba. Dispela inisitiv i givim ol Papua Niugini woka sampela trening na eksperiens we ol ken helpim long kamapim gut sefti long wokples. Ol i makim klostu 200 kendidet husat i gat save long soim gutpela pasin namel long ol wokmanmeri. Ol dispela kain inisitiv i strongim astingting bilong sefti insait long ples bilong wok.



Tulboks toktok i wanpela rot bilong toksave long ol bagarap na ol rot bilong abrusim

Sosel developmen

Wok bilong makim ol wina bilong *Kastom Stori/Sene Gori* kompetisen, em wanpela bikipela samting i kamap long dispela kwata. Dispela kompetisen i bin kirap long namba wan kwata long 2011 we ol i askim olgeta studen long ol skul insait long Projek eria long salim ol stori na droing i soim kalsa bilong Papua Niugini. Ol i kisim 3,700 stori na piksa.



Ol *Kastom Stori* 'Top 5' Gret 3 studen long Lea Lea Paimeru Skul



Wanpela droing bilong *Kastom Stori* kompetisen

Long wankain taim tu, namba tri siris bilong buk i stori long Toea, ol i kolim Toea's Hiri Adventure, i redi nau wantaim namba tu Toea Project Interface buk bilong ol pikinini i stori long helt na hajjin. Helt na hajjin ektiviti buk i gat ol singsing, ol pilai, kala-in na ol ki helt toksave bilong ol pikinini.



Namba tu buk bilong Toea Project Interface siris - Toea's Health and Hygiene Megapad

Projek i wok long gohet yet long givim sans long ol meri i go insait long wok bisnis. Long dispela kwata, Projek i bin stap insait long namba wan Kantri Jenda Asesmen woksop long kamapim luksave long ol samting i pasim rot bilong ol meri i painim mani, kamapim gutpela sindaun na stap insait long iekonomik developmen. Asesmen em i wokbung namel long pablik na praiwet patna wantaim sivil sosaiti na bai sapotim polisi developmen bilong gavman bilong Papua Niugini long ol meri i stap insait long iekonomik developmen.

Long mun Julai, Projek i sponsa long tupela Papua Niugini lida meri, Sarah Kuriva Kaipu, bilong Galf Kristen Sevis long Kikori na Turiza Tandago bilong Papua Niugini Angore Wimen na Yut Developmen Faundesen, long go stap wan mun long Global Wimen in Manesmen Trening Program long Washington, DC. Projek i sponsa long tupela moa Papua Niugini baiomedikel teknisen, bilong Kundiawa Hospital na Maun Hagen Hospital long sikis mun long Medisend International Baiomedikel Ikwipmen Ripe Trening program long Dallas, Texas.

Sampela iekonomik developmen inisitiv ol i kamapim long begin bilong dispela yia i bin karim kaikai long dispela kwata. Em olsem, wokbung wantaim Cashew International Limited, we ol i givimaut 15,000 diwai long ol pipel i stap long foapela LNG plent viles (Boera, Papa, Lea Lea na Porebada). Ol i givim tu trening long rot bilong planim na lukautim ol diwai. Skelim intres bilong lokal komyuniti i soim olsem bai i gat askim long kisim 60,000 moa diwai.

Ol material i kamap long Kikori long konstraksen bilong neseri bilong Delta Grin Fil Maketing Wimens Grup, long Omati eria. Dispela neseri bai givim skul long ol meri long ol nupela kain prut na saiyo long saplaim i go long konstraksen kemp long Kikori.

Divelopim ol Papua Niugini bisnis

Sapot bilong divelopim ol lendona kampani (Lancos) i gohet yet, wantaim helpim bilong ol bisnis developmen opisa long fil, Institute of Banking na Business Management Enterprise Centre na ol Projek kontrakta. Mak bilong mani long ol wok bilong Projek i go long ol Lancos i winim 500 milien Kina (US\$223 million) long pinis bilong mun Septemba. Ol arapela Papua Niugini bisnis tu wantaim ol Lanco i wok long givim ol guds na sevis i go long Projek.

Total mak bilong mani Projek i spendim pinis long kantri em i winim 3.3 bilien Kina (US\$1.5 billion).

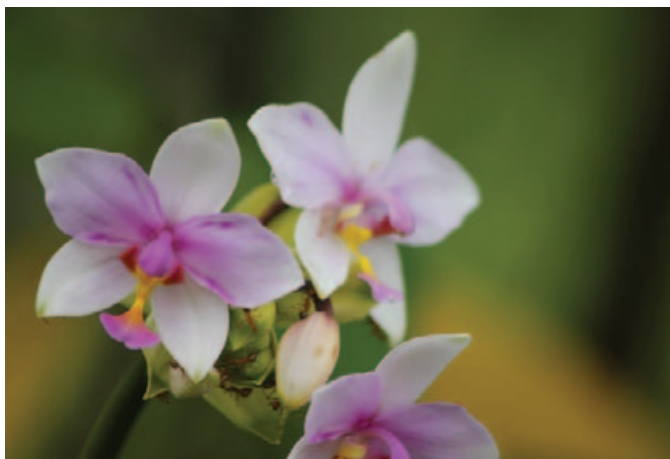
28 bisnis opotuniti
wantaim Projek kontrakta i stap
long PNG Supplier Database

Long dispela taim tu, Enterprise Centre i sapotim 9,900 Papua Niugini bisnis long kisim moa long 2,750 de trening. Long dispela kwata, nupela bisnis mentoring program i tok welkam long ol namba wan lain na lonsim nupela Fundamentals ov Bisnes Manesmen kos na Dairekta Trening Level 2 kos.

Wok bilong envairomen

Wantaim ol wok bilong inspeksen na sekap em Projek na Lender Group Independent Environmental and Social Consultants (IESC) i save mekim, ol kontrakta yet i mekim independen asesmen long wok bilong ol. Eksampel, kontrakta bilong Apstrim Infrastraksa i wok long glasim ol spils na stretim gen dispela hevi.

Ol dispela pasin bilong Projek na ol kontrakta long stapim ol insiden, na was gut long stapim ol spil, i mekim na namba bilong ol envairomen insiden long olgeta Projek eria long dispela kwata i stap daunbilo moa long tupela arapela kwata.



Graun Okid *Spathoglottis parviflora*

Gutpela wok i kamap tu bihain long Projek-waid weist manesmen rivi long namba wan kwata 2011. Konstraksen bilong Hides Weist Manesmen Fasiliti i wok long kamap gut na wok i pinis long instelesen bilong lain lenfil, wanpela wetlen filta bilong leachate tritmen fasiliti na ol wok long fasiliti rot.



Wok i gohet long Hides Weist Manesmen Fasiliti

Wok bilong kontrolim graun i bruk na sediment kontrol em i bikpela salens long olgeta hap bilong Projek, na bikpela moa long ol ples we i save ren oltaim na we ol i mas brukim graun. Ol kontrakta i mekim wok bilong inspektim na stretim ol masin na putim ol nupela samting bilong kontrolim erosen na sediment long ol ples we nupela wok i kamap.

Wokbung wantaim ol stekholda na komyuniti

Gavman bilong Papua Niugini i mekim wok nau long putim ol Gavman opisa long fil. Ol dispela opisa bai wok wantaim ol Gavman dipatmen long hariap long luksave long ol wari bilong komyuniti we i nidim sapot bilong Gavman.

Long mun Ogas, ol i stretim lukluk raun bilong Minista bilong Envairomen na Konsevesen na Envairomen Kaunsil long bikpela LNG plent sait na ol envairomen stended em Projek i bihainim. Projek i kisim ol deleget bilong Ministri bilong Edukesen raun long Pot Mosbi Konstraksen Trening Fasiliti long soim ol trening program em Projek i sponsa long en.

Long dispela taim, ol komyuniti we bai pilim impek bilong ol wok Projek i kamapim i klia long ol wok bilong Projek, olsem na ol engejmen ektiviti i mas strong long givimaut toksave long konstraksen wok i kamap na askim ol pipel long autim tingting bilong ol. Pasin bilong toktok wantaim ol komyuniti long ol wok bilong Projek, bai strongim wokbung na luksave long wanem ol bagarap i ken kamap, long taim ol wok i no kamap yet.

Eksampel, long kain bikpela projek olsem we i gat kain kain salens, na long kantri we i gat kastom papagraun, planti komyuniti i gat wari long kompensesen bilong graun. Resetlemen program bilong Projek i helpim ol asples long kisim helpim long stretim gen sindaun bilong ol, em ol i rekodim long taim bilong monitorim na evaluesen toktok wantaim ol komyuniti.

Projek i luksave long wok bilong toksave long konstraksen sefti na ol ples we i tambu long ol pipel i go. Long dispela kwata, long helpim sefti bilong ol lain i save go painim pis long solwara na ol lain i kisim ol samting long solwara, ol Sosioekonomik tim bilong Projek, i putimaut toksave taimtebol bilong ol 'no go' eria long graun na long solwara em bai i stap long taim bilong konstraksen bilong LNG plent sait jети. Ol dispela kala kad em ol i yusim wara pruf kala pepa long printim long Tok Pisin. Na bai helpim ol lain i go long solwara.

Drama em i wampela nambawan rot bilong givimaut toksave long sefti na ol arapela toksave i go long ol komyuniti na em i wok long ran gut we ol i skruim i go long bringim nesenel kontrakta na ol Lanco woka long toksave long sefti bilong ol woka.

22 drama pefomens i kamap long 25 komyuniti we moa long 3,000 pipel i lukim



Toksave long sefti na ol arapela toksave long wampela pilai ol i kolim Laif Bilong Ba'amo, Ges Paiplain

Taim i kamap klostu nau long mak bilong 24-mun bihain long desisen bilong fainal investmen. Tasol, dispela wokbung i kamap wantaim ol pipel bilong Papua Niugini, sans bilong stap na wok long dispela narakain kantri, na fes han eksperiens long kain kain kalsa, bai stap long tingting bilong planti lain bilong Projek tim.





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ExxonMobil

PNG LNG i wok olsem wanpela han kampani bilong
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Santos
We have the energy.



