

Catikan 3 smpa bcc, n n ng b Baep Sg² Bak B n ng kargare k kaye BI Rct kat; KIN PaB
nig kare FCMJ d d k c ay R s U

3>1 kargarrbskskren Aek kaye BI Rct kat; nig b Baep Sg²

kar Rct kat:

Ca Fm f ai R s U R t U) ane K R c t t n g k e N p r R b E h I Ca 20-30 sm B t l G a R s y e l k B s r b s e d m v a T a t l
en A k i g E R s s n i g n i g E R s B e r g a h . e d m R s U e d I e K R c t t r c h e h y R t U) a n c g C a k N p b e d a y c l l n g C a e d m
R s U m y E p i k . e n A e B I c g C a k N p b ; R K a b R s U G a c R c t e c j B k Y y a g g a y . C a F m f a i k a r g a r R c t t k a t ;
R t U) a n e F l d a y k m a t j m n i s S . k s k r e d I m a n e p l E R s F m e b e T a h b C a m a n c h m i n e R c h k p ;) a n c a b e p h
e r b R) a s m a s h R c t t e d m R o m U p l R s U r b s x h i . C a m Y n g k a r e r b R) a s m a s h R c t t e d m R s U n i g e s A
R t U) a n R c t t e n A e B I C a m Y k a E d I C a e h t n a l R K a b e s A c U I a y L U a m Y n g R s U e n A e B I e) a k E b n . b B a a
e n H n i g r a l d a l e n A e B I G n a k t .

kare) ak Ebn

k a l B G t i k a l e n A e B I E d I k m a t j m n i s S n i g s t v R t U) a n e K e r b R) a s e d m e) a k E b n R s U k a r g a r e n H
R t U c l l N a y e B I e v l a d e c h e d m R s U e d I R c t t r c h e h y R t U) a n d a k h a l e n A k i g E R s e d m k l l s m N m x s ; e n
R s U e F i c x t e d I K i n P a B r b s y a . k a r h a l s t j e R s U e n A k i g E R s k e F i c R K a b R s U g a y n g r t e d I n a l k a r
e) a k E b n m a n I k n ³ g a y R s U . e R k a y B m a n k a r E N n a l e r b R) a s e R K o g m a s h s m a b e) a k R s U R b e P T
m a s h e d I R s U R t U) a n e K d a k b B a p t a m G k S ; m k k a r g a r e) a k E b n R t U) a n e K k m t e B I e T a t a m I T p a B e d I
G a c r k) a n m a s h e) a k R s U e d m e C o s v a g n u k a r l e R s U B k i g E R s . R o k a r e n H n a l m a n k a r) a t b g R s U e n A
e B I e) a k E b n e d a y s a r k a r) a t b g e B I e v l a c t t k a t E d I R o e s b p t t . C a F m f a i R s U e d I R c t t e h y R t U) a n
e K e) a k e n A e f e n a l E t m g b k d k y k e T a p h . k i g k r N m a n k a r e) a k E b n P a m ² e n A e f R c t t E t m g e n a l R K a b R s U
G a c n g x t e d a y s a r p S i d e d I b N p l m k B m a n s m N m d i s ; . c h B a R s U e d I R c t t r c h e h y R t U e k d k y k
m k T k e n A p t e n a l v a k B o f y n g k a r x t e d e K a e d r e d a y s a r R s U m i n T a n e) a k m a n k m s m N m x s R t U) a n e K
d a k K e l K a e n A e k a m E p i k e n d m U p h e d I I y e c j . e T a h C a y a g e n H k p k s k r m i n x l G B K i n P a B r b s R s U
e L y . k i g k r N d a k ; e r b R) a s m a s h e) a k R s U e b e T a h b C a r b s i t p a B e) a k E b n m a n k a r e k h e L g k p E t
R t U m a n k a r B n i t u e d a R s a y b B a a d e T ² e T o t E d I B a k B n g y n k m e p h .

kskrmak²minmanmashe)akRslupal xhE . kEinpkskr nigGkrRomU Rsluxh manmashe)ak Rslupal xh ehlyBkeKpI nUesvae)akEbneyyKQII . Caekal karN_ efQII e)akRslUrtU)an TUatCaR)ak; bEinpBI xh kEankarTUatCaRslUpgedr . rhtmkTI eBI bcE, nI hakdt CaminTanman karkankabmashe)akRslUcashKmnkskr nigkareRbR)asmashenHCalkmenAeLyeT .

karhal sljyt nigErgsMat

edayehtifa edmRslUenAeBI e)akEbnmansNmxs; smtPaBsMatrbsmashe)akRslU man karFakch ehlyKkabrslUedI ecj BmasnmankhtsNmxs; nigmanI ayLQanYngkVickMatEdI eFI[manPaBminsU]pSg²Caerch dtCaebogCaedln . CaFmpakgkrNEdI khtsNmrbsRslUel Is BI 18-19° kskrEtgykRslUenAeTAhal efQAEtFaptrbsek . bEinpBkeKminhal RslUenA [man sNhmTabCag 18-19°eT ehlykzinmankarsMatRslUeLly . Gacniyayfa kskrCaFmpacat;Tkfa karhal sljyt nigsMatRslUedI Tkshab;I k; KminmanRbeyaCnGt BerBakeKyI eXij fa kargarenH nigkatbnlynUtmRslU ebeTahbCaKINPaBrbsya)anRbestelgkp.

plyeTavij kskreFkarhal sljyt nigsMatRslUedI eKtkshabhockpEl xh . enHmannyfa BkeKmankaryI digGtrebdohal nigsMatRslU nigsar³sManrbsya . chBaRslUshab;Tki kdbvij RosneboQj [tEl el KINPaBRslU)anRtmRtU nigpp; tEl smRsbDI kskrenah kargarekI K KINPaBedaykskr)akdCaseRmc)anCakCaminxan . dtch RokarcalAcEdI tRmU[manCamm Kms; eragmasnRslU nigQjRtUet [tEl RslUeTAtamKINPaBrbsya ehlyTij RslUBGkrRomU RslUedaytEl smRsb . RosnebgkrRomU RslUTV)annUKINsm, tEpnah BkeKngTanTar [kskreFkarEkI K KINPaBRslUCakCaminxan . kEinpynkarbcE, nIKmindebcAeLly . RosnebKapeRkOgel kTkcitpT kargarekI KINPaBRslUedaykskr KminGacseRmc)aneLly .

karI kdtRslUedaykskr

eBI evI al kRslUrbskskr KminbBkarRomU pl rE Pam nigenAeBI EdI BkeKcabepnTij sMar³kskkmp dtCaCl nigeRog\nt³s shokargardablenAeBI bnab; . karI kRslUenAeRkayeBI RomU pl rE Pam Kmin,)anR)aks shabRTRTgCvPaBrbsekpg nigs shab;TUatsgéFEdI)anTij eCQpg Edr . chBalkrNRslUssa karI kRslU KminAeBI RomU pl cabBEx vicika dI FtingenAeBI ertomerdocM shokargardablenabenAExemsa nig]sPa . kskrFumFum EdI pl it nigI kRslU Kminépltblab

clh 1/5 hita nigpl itRSU) anc h 3 etan . BkekrkSaTkRSUclh 1etans h h bckpäl xä ehly
lk; 1etaneRkayeBI RomU pl rē Pam nigl kmY etaneTotedm,) anR)ak; Tikertoms h bckardab h el k
erKay . Tn h ng en Hp g Edr kskrEdl manēp h RkSaTkRSU s Saenqä h I kngeTA BI 1 d l ; 2 etan
CamY nig k p sg Om Camn fa tē m S h ng ekhe L gen AeRkay Exkkāla .

ef h b k skrEdl manTll h h ACit n geragmas h RSU ykRSUrbseKenATena h päl ; EtkskrPaKerch
rgca h h d l GkRomU RslmkTij BBkek . edayeh tifa CaFm p a GkRomU RSU Etgcl mkkūg P h e Fkar
T h k ; T h g Cammedm, [kargarRomU RslurbseKmanRosi p a B dē h karT h k ; T h g rbs P h e d l s i tē n A
qā y d ac Rsyal CamY ng GkRomU RSU K h ank Rmit ehly Btmans p a B p SarEdl Tabjenah TTV) ank^{3/4}
mank h p g Edr Edl Cayfaeh tual [BtmanminmanPaBeBj el j . edaysarG h Nactē f manPaBTr;
exSay kskrmā k² RtU b g h i t TTV ykt h Edl p p ; [edayGkRomU RSU . nāeBI bc h , nā h kskrmin
mankarI kRSU Cash KmneT .

GkRomU RSU Eck)av [kskredayminKitē fō . eRkayBRckRSU rē -60-90KRk ;)avRSU h mly²
RtU) an f ng CBa g naLka Edl Cakms p a GkRomU RSU . Tm h s h k)av -0/1-0/2KRk^{1/2} av¹ min
RtU) aneKeGeBeLy ehly Tm h Edl tē CagmY KRk RtU) aneKbgā¹ . ebeT h b Cakskr Caerōy² min
mankarT k c i t p l PaBRtmRtU enCBa g Tabjenah nigrebob f ng k p EteKminmanmeFia) ayed m, eFkarBinitē p g
pā tē Ly . eBI x h) amY manc h h el s B h 00KRk enAeBI Edl matrbsvartU) aneKedredyRKbnig
c h b g edm,) anc h N h s h k) av x h . kareF h b en h nā [c h b g cl I ayL h CamY nigRSU . karTUtPaK
ercheF h L g CasacR) akenAnngkEngEtmg k bē n p k RomU RSU x h eFkarTUtR) ak; [kskrenAeRkayBk
ykRSU ena h eTAI kb n i [eragmas h RSU rē ehly . enAeBI eFkarI k d h K h inmaneF h k dassā mbBaak;
G h T m h ; nig t h G h Ly . eBal K h inmanI k N h R t R t a G h h b karI k d h en h eT el kEl gEt k h t c g cal
x h n y s p a T m h RSU s h b b k b Ba p Kā t bē N h .

karI k d h E b b en h T h g Cal T p l ē n meFia) ayEdl eKerCiserseL g s h b Gnutp.]TahrN_CBa g
b g (platform scale) Edl manI k N³ Rt m Rt U rē ch Cag K h ank arB) ak ng d h CBa h nigmant h ē fē ehly

¹]TahrN_kjkrNRS h mly) amanTm h 70KRk f h b k skrI k k g t h 500erol 1/2KRk Ett h I kCakEsj K h n R t m Et 475-460 erol 1/4
KRk bē N h . K h af y c B h 4/3 - 8/6° edaysarEt k h s k j kar f ng Edl manc h d 1/4° nigkar) at; Tm h manc h B h 2/9 - 7/2° Edl RtU) aneK
kate c j s h b ; T h n k T h c k T h t p S g² Edl I ayL h h k g RSU -2-5KRk^{1/2} av¹ .

keza MacRtUmankbCBa; sml enAeBl fmg²pgEdr . pjeTAvij ebEtalbCaCBa; naLkaminsU
manPaBRtmRtU EtvananKINsm, tpedaysarman tml efak nigfmg) anqabr h³ .

karrkSaTkRsuRbskskr

kskrRtUkarrkSaTkRsu[mansutBaB sml; h; bck nigefkarl kdlenAeBl eRkay . enAtan
tlnxhl RKVsarkskrmly² manCRgkmyenAkogTbrevNpHrbsxhl kblnpCaFm; arRsURtU) aneKrkSa
TkedaycakFarenAkogCRgk eFB; b; s; Edl mancINURoEhl 1etan ; enAekampEdl sgxsBdl .
edlm, tkSaTk; sml; bry³eBl ytl RsURtU) aneKhal stv; k; k; k; R; o; E; h; l 14-15° kblnp minmancat;
vFankarGldm, bgakarblaj edaykNp nigstV i; eLly . eBl xhl stV i; e; k; l; m; a; n; e; L; g; e; n; A; G; l; l; g; e; B; l
eRkayExmina c; h; B; a; R; s; U; E; d; l) anRct; k; a; t; e; n; A; E; x; v; i; c; k; a; n; i; g; F; i; l² . kogkrNenH kskrRoj abRoj al ; l kya
ecj PamCabonantamEdl GaceF; i; T; A) an ehlyCaerOy² RslenHRtU) anI ayL; D; a; m; y; R; s; U; F; m; f; a; d; e; T; e; T; o; t
enAkogd; N; l; k; a; r; e; c; k; a; y . RsUR) a; j; R; o; e; P; T; B; C; G; G; r; m; i; n; R; t; U) aneKrkSaTk; y; t; e; L; y .

bBaepSg²rbsRsuBakB; h; g; kargareRkayeBl Rct; k; a; t;

- edayRkan; e; t; e; f; k; a; r; e; b; o; e; f; o; t; t; m; l; Edl p; l; ; [edayG; k; R; o; m; U; R; s; U kskrPa; k; e; r; c; h; l; k; R; s; U; r; b; s; ;
xhl; e; T; A; [G; k; N; a; E; d; l; T; h; g; C; a; p; l; ; t; m; l; x; s; C; a; g; e; K; b; l; l; t; . edayeh; t; i; f; a; kskrm; i; n; T; a; n; s; l; k; o; g;
d; l; N; a; k; k; a; l; C; a; G; k; c; r; c; a; t; t; m; l; B; k; e; k; e; l; l; k; e; d; a; R; s; a; y; c; h; B; a; h; k; a; r; f; o; g; m; i; n;) anRt; m; R; t; U; n; i; g; t; m; l; T; i; j;
m; i; n; s; m; R; s; b; r; b; s; G; k; R; o; m; U; R; s; U; edayl; a; y; C; a; m; y; R; s; U; E; d; l; m; a; n; s; m; N; h; x; s; ; k; m; i; c; k; m; l; n; i; g; v; t; b; d; l;
e; F; i; l; [m; a; n; P; a; B; m; i; n; s; U; s; p; S; g² . k; a; r; C; y; d; t; R; s; U; E; d; l; m; i; n; m; a; n; P; a; B; R; t; m; R; t; U) an; k; a; y; C; a; T; m; o; b; o; m; y; .
- edayeh; t; i; f; a; s; h; k; m; k; s; k; r; m; y; m; i; n; T; a; n; m; a; n; k; a; r; G; P; i; D; A; n; e; n; A; e; L; y; d; t; e; c; h; l; m; i; n; m; a; n; T; m; o; b; s; h; k; a; r; K; a;
e; n; A; k; o; g; k; a; r; g; a; r; k; s; k; m; e; L; y; e; l; k; e; l; g; E; t; e; n; A; T; k; e; n; g; x; h; l²; b; a; N; h; . C; a; e; k; a; l; k; a; r; N; _; k; m; a; j; B; l; k; m; p; u;
R; t; U) an; b; g; R; a; k; [ehlyT; h; a; k; T; h; g; e; n; A; k; o; g; c; h; N; a; m; G; k; P; h; i; m; a; n; P; a; B; T; n; e; x; S; a; y; n; i; g; m; a; n; l; k; N³; C; a;
r; e; b; o; e; F; i; l; m; y; . k; a; r; s; h; k; a; r; K; a; d; t; C; a; k; a; r; l; k; R; s; U; C; a; k; m; b; e; h; n; K; a; C; a; e; d; m; K; m; a; n; k; a; r; l; M; a; k; n; i; g;
e; r; d; o; c; m; L; g; . v; a; T; h; g; C; a; m; a; n; k; a; r; m; i; n; T; k; c; i; t; k; a; e; T; A; v; i; j; e; T; A; m; k; e; n; A; k; o; g; c; h; N; a; m; G; k; P; h; i; .

3>2 s; m; P; a; B; b; c; t; m; , n; i; n; i; g; b; B; a; e; p; S; g²; e; n; K; i; n; P; a; B; R; s; U

² eyagtankavayt; m; l; e; n; K; m; a; g; E; k; l; m; R; o; B; i; t; p; s; a; n; i; g; k; a; r; k; b; k; g; K; i; n; P; a; B; R; s; U; G; a; e; R; k; a; y; e; B; l; R; c; t; k; a; t; ; -2001; e; T; A; e; l; k; a;) a; t; b; g; e; n; A; k; o; g;
e; B; l; s; h; k; R; s; U; r; b; s; k; s; k; r; K; m; a; n; c; h; e; l; s; B; l²; k; o; g; y; e; B; l; k; n; i; g; a; m; l; k; a;) a; t; b; g; C; a; t; h; g; K; i; n; P; a; l; m; k; B; l; m; l; C; R; g; g; C; a; b; T; k; s; t; v; i; e; n; i; g; k; N; p; .

etGATACaKINPaBRsU?

xN³EdI RsURtU) andabHedaykskr sMbGkHbck1/RbR)as; vaKWaTij EdI Cy dbedayGk RbmU RsU maseragmasInRsU nigQjLBERBaHCaFmTajGkHbck1/RbR)as; Tij Gga bInpinEmnRsU eT . eTahCayagenHkpedayeh tifa RsUKWartEfatodm enGga dEch KINPaBrbsyaman\T&I pal eTA el GgasRmit . GaRsyehtenH KINPaBRsUKmansar³sMan; edm,FananUKINPaB enGgasRmitEdI GkeRbR)asRtUkar .

KINPaBGgasRmit KWaRsyeI sCatiEdI)anmkBrbsNanBess RTgRTayRKab³Bnsm,1/4 kInRkGb¹smasFatGambg ; EdI Cab;Tak;TgnRbePTBC brisAndabH -Titaj¹qMnigkargareRkayeBI Rcttkat; . fHbRbePTBCmanGnPaByagRcal eRCAel sCatkp EtvamankarI YakngEfkavasEvg¹ sMal GtsBaInrbsyakgrbragCaGgasRmit edayeh tifa I kN³Bess RTgRTay nigI kN³ sm,tCarbvnppSg²)an)atbgeTAtamdMnrkarkn . vFEtmYKtedm,raytM el sCatGgasRmit KW manEtykGgaenaHmkcMnrEbrePaKsakemll beNnH .

GkeRbR)asEdI CaCnCatkmCa eRCiserIsGgasRmitedm,Itij edayEpKCasManel RbePTBC RbPBpI itkm¹umRkGb nigtm . BkeKminxV Gbbq¹I iteLy edaysarGgasRucasEdI dak;l k; enAel ItpSar KllantictEbeNnH . kMickMepSg²EdI manI ayLhAkGgga RtU)anerIsecj niged enAdMnakkal I kdM¹I kray . eTahCayagNakeday RKabRkYEdI manBnRohakRbEhI nigGgas RmitmingaynngsMal)anedayEPkTeTeLy . ehtenHkInGacerIsecj)anEdr .

KINPaBRsUenAeBI Cy dU

fHbKINPaBRsUedI rdnTikedayGkTij RtUetmankarEfrkSakp EtvamincaNac;[dtKaeLy . caNacRtUmankaryI dnGKINPaBRsUBakBhSTAngkItSbNmerchh¹s 1/kMickM nigvtEpsg²EdI bgalmanPaBminsitS nigGgakInatGgaRKabRkHmGgaxt EdI Cab;Tak;TgCamYnngRsUpal ; nig bHbal dI KINPaBrbsya . bnSTsm¹BO nigKINPaBesKienRsUenAkGggaLUEtmY kImansar³sManpg EdrsMbEfkaredaHrsayenAdMnakkal Eckcay nigkn . KINPaBesKial enRsU KImansar³sMan; CaBesssMbGaCvkrmasInkinRsU . edaysarEtKINPaBRsUedI ykmkkinmanmanPaBxisKaxadI CaFmTajekRtUefkarEksRmI masInkInSmitCaerogral BrbhaThng .

edayerh tifa kare)akRSUTajenAeshmKwakargafmptatETA RKabRSUEdI etbe)akr'tmanI ayLM eTAedaykMickM nigvtSpSg² -1-2° ; nigmankMtsNhxS; -22-25° ; . enAeBI ykeTAI k;RSU EdI mankMtsNmeI sBI 8-19° ca)lacRtUeFkarhal slyt ebBMecheT KINPaBRs yangFakch enAeBI eFkarEckcay . eTatCayagenHkpRSUEbenHCaerOy²EtgRtU)aneKI k;I ayCamlyRSU EdI mankMtsNmticCag 18-19° . dtecl GkTij RtUeFkarRtVbnitukMtsNhm nigKINPaBRsUenA k(ig)avnimY²eTAtambTBesaFn_nigsPavKtrbsek .

k(igkrNeXij mankMickM nigvtSpSg² -kMickMbgkSac;KabasA Jerch GkI k; nigGkTij nig eFkarercaGkarkatbnfTmf; . yagNakday GkTij sIk(ig)snPaBmaneRbocCag enAk(ig)krNPak eRchbkt . dtecl ekminca)aceFkarhal slytrhtdI ; 14-15° nigErgykkMickMepSg²ecj [enAsI Rtm 0/5° enaheT BeRbaRSURtU)aneKeFkarCy dtecl daymankMtsNmeRkam 18-19° nig mankarkatbnfTmf; sMopatecal kMickM nigvtSpSg² . kareFICMj rebobenH THgCarMandI kar EkI KINPaBRsU .

KINPaBRsUenARbetSkmea

tamTiniyKINPaBRsUenAk(ig)TpsarenRbetSkmea KINPaBRsUenAeBI eFkarvaytM el kar)at; bg; eday : K(ig)agEkI M(ig)B(ig)Tpsar nigkarRkb;K(ig)KINPaBRsUekayeBI Rcttkat; : -q(ig)2001; nig KINPaBRsUCamFumEdI rkeXij enAk(ig)karskSaeH K(ig)manbg(ig) enAk(ig)taragxagerkam³

tarag 3-1 KINPaBRsUedI I kedaykskr

	kMtsNhm %w.b.	GgaRkb; Rkhm o	RkabGga eRbH)ak; o	RkabGga xt o	kMickM epSg o	RkabGga xl o	GgaRkb; eBj o
RSUR)ajl Kit CamFum -ExensadI]sPa2000;	19/3	3/01	9/65	2/38	1/85	6/31	79/41
sgdarDveGsn sigma	6/20	6/38	12/62	2/21	1/68	2/40	7/34
RSUR)ajl Kit CamFum -Extul adI yicka2000;	18/4	3/95	11/62	1/18	1/00	3/44	83/92
sgdarDveGsn sigma	5/28	7/61	12/00	1/73	1/46	2/56	8/39

sMal³; RSUR)ajl K(ig)B(ig)G(ig)G(ig)/RSUR)ajl K(ig)B(ig)R(ig)S(ig)U(ig)M(ig) .

taraj 3-2 KINPaBRsU Ed I Tij edaymSeragmasRsu

	klit sNm %w.b.	GgāKāb; Rkhm o	RKābGgā eRbH/ak; o	RKābGgā xt o	kMickM epSg o	RKābGgā xP o	GgāKāb; eBj o
RsuRajl Kit CamFūm -Exensad I j sPa2000;	14.2	6.56	23.91	2,23	4.10	8.07	83.37
SgdarDveGsh σ	0.96	3.09	9.54	2.29	1.31	2.64	6.76
RsuSakCamFūm -Extul ad I yicka2000;	15.3	7.43	21.49	0.33	1.75	5.00	91.99
SgdarDveGsh σ	2.53	5.84	8.27	0.34	1.01	2.34	7.46

sMal³ sMakRsuRkayebI sMatrē RKābGgāBnel Og -EbeTACBnel Og bBNTkRkbNpl mkBkardul I as; enpSt Ed I manI Gakkdl ragkaymns; .

edayehtifa sgdarDveGsh (Standard deviation) FMagmFūmPaK (Mean) KINPaBbgāj [eXij faminmanPaBesKāI ET . fRbRsuSamanRKābxt kMickMkTf atepSg² nigRKābxtEcCag ehlyKINPaBrbsvāRbestCagRsuRajl kP EtvamanRKābGgāeRbHsaDaeRch Ed I bNpl mkBkarhal shtymneB I e)akEbnmin)anRtmRtUl ¥. RokarenH eFI [GRtaGgā)akekheLgenAeB I kinsRmit . eday ehtifa enAxN³eB I Ed I karRcttkatmanPaBmmaj kbplit I TPAbhal shtyRsuRbskskrminGac eqlytbeTAtantRmUkar)an dēch RKābGgāBnel OgGacekltmaneLg . enAkūkrNkH RKābGgāBnt RkhmGacmanelchCag20° . enHmannyfa RbePTBCRSU Ed I manI kN³sm, tp -TmRKāb%knk¼ PaBng ; epSgKāenAl ayLManyKā ngeFI [dBNrkarkinmin)anesKāI ynigbNpl [manGgā)ak; .

miagvij eTot vaCakarc,as;NasEd I fa mSeragmasRsuRtUkarRSU Ed I hal)ansRkRkRan; ErgsMat)anI ¥ nigmanKINPaBesKāI edm,katbnRynlchH(Ggā)ak; ehlyTTV)anUGrtakinmankht xs; . eTāCayagNakēday tRmUkarEd I manI TPAbefYanēH min)aneTAd I kskreT BeRBalmās; eragmasRsu pl nūt dEd I dēEtKāstakKINPaBRsUebNakēday . BkekminGacpl ; [nūt xis²Kā)anRtmRtUsMāBRsU Ed I manKINPaBI RbesteLly . dēch GaClvkrmashtkRsuRtU)an esH [eFt sKINPaB nig [t RsupSgKā Epkel karcatEcgeTAtanI kN³vītiāsaRsp.

sar³sManēnkarEk I KINPaBRsU

KINPaRSU -I ¥ bminl ¥ ; CasManRTU)anklitedayl kxTApSg²enAmneBI Rcltkat; dtCa I TPabGacrK)annURKabBCEdl I Roest brisAndabll nigkarRkbRkgCl . kbnpvak74V \TB I erch edaysarkargarenAerKayeBI RcltkatpgEdr . karEkI KINPaB [RoestelgenAerKayeBI Rcltkat; Kdlm,bgáTkCammnuktptajLay Edl GacbhBal dl KINPaRSUenAkjgdNnkarepSg²erKayeBI Rcltkat; nigedlm,lykecj nuktptanaEdl)anbHBal dl KINPaRSUreTAehly . karbgáTkCamm nuktptEdl GacbhBal dl KINPaRSU KWarBarklRKabRSUelgkblAedaysamankltsNhxS; nig klRKabRSUerBHRsahAeBI hal sljt . cINkÉkarykecj nuktptEdl)anbHBal dl KINPaRSU Klykecj nlGgáRKabRk hm FU InigKabesA

eKal bINGénkarEkI KINPaRSU Kdlm,beglnutll RSUedl Cartfatedm Nigel ktbkgtll TpSarGgásRmitEdl Capl itpl sltc . ebhiyay [cmKWF [RoestelgnUefÉkta nigGartakh . Gacniyay)anmüageTotfa Rbsinebltll RSUenAel ITPSarRTU)anbeglnenah KlygmannYfacINU rbs; kskrkkgRTU)anbeglpgEdr . ehlyGacIkrmashkinRSUkZacrK)anR)akcNj erchEfméTot tam ry³karpI itGgámanKINPaBRoestelg)anech BclmCakEsjénvtfatedm .

enAeBI CamlyKäenHpgEdr GkrRomU RSUQjKlinmankgV pbl CamlyngkargarekI KINPaB RSUeLly . BkekRkanEtXV xlyngPaBxisKärvagtll Tij nigtl I k; nigbrimaNCy dtbaNñH . eTahCayagenHkp BkekGacmantHATzManmlyénkarbBaöbnpUbtmansBKINPaRSUrePTNaEdl TPsarRTUkar . GacniyaymüageTotfa karbeglnbrimaNCy dt nigkarrkcINU)anechEfméTot Kwa GEdl RtUkarCamm . slteRkamkarEckcayedayesrl trmUkar [mankarekI KINPaRSU énTPsar TllgCaman\TB I FNFgbpitel ItlnpI itkmp

taq 3-3 skpBI nigktEdl Ca]bsKáradl kargaEkI KINPaB

cMepSg ² nkarek I KINPaB	skpBI	ktEdl Ca]bsKÁ
kareFU beckvCa mankarniyCaTATA	kskrmankaryl dgGbbPaBxisKä rvag KINPaBtamry ³ bTBesaFn_Edl manCaytd mkehly ² sltc)annUkarRkbRkgKINPaB RSUedl Tksmbhüclcpal xüpgEdr .	karEkI KINPaB Kwtbet)anBakkNpl baNñH ebeTahCakarSkSarsarCar/skosal asMlc)an Caerhrmkehlykp . minmanktbNñsntRSU manKINPaBrebobNaxl Edl kskrKlEfiKarI k;

cMepSg ² énkarEk I KNPAB	skpBI	ktEdI Ca]bsKA
		dD nigminmankarTTY sAI nltRmka [kskr eFkarhal sgt nigsMatRSU .
karkMt,tM eday Epkel KNPAB	KVerobcM mantM xisKaedayEpktankMt énKNPAB CanYngkarkMtKNPAB ()an RtMrtU . karenH ngnatArkkarEkI KNPAB .	flobkarsgt nigsMat KWarFEkI KNPABRSU [Roestrelg EtvaminRtmEtkatbnYtmMfET KlnByTajttM pgEdr . vanankarI DkngqB bBajsnPabnH edaysarmankarRokRbECg tM enAkjCMY RSU .
karGnmznlsyda KNPABRSU	vaCarokarsmehtpl edm,Fana nlsyda KNPABRSU ekayebI dbR)asyvaCa syda -bTbBa; EdI dakec j edayTpSr RslobkMxIdEg . karGnutpedayman kMt nycabeppeFkarEkSM va)angay RSV .	sydaKNPABRSU KQackal edAmly nigCakar bgaj GBkMtKNPAB . eTadCayagenHkpKlMn man»kasedm,dbR)asyvaely el kEl gEtrdaE Tij RSU ehlykman]bkrNsMbeFkarRtE Bhitü -]bkrNvasKltsMNm mashkneFittsp sRmb . I . ; pgEdr .
tRmUkarbs;TpSr	GkTij CabcitpntM Tij . vaGacman I TPABEkI KNPABRSU RosnebgkTij bgaj nKNPAB nigtm BakBts dI Gk I k; . flobQjLavotNan -GkTij ;mncab; GarmNngKNPABRSU EteKBitCartUkar xajNas; nRSUedI mankMtSMNmTab nig PakryévtEdI naVmanPabminsUŠ mankMtTab .	karel kkBskaryI dugGBkarEkI KNPABRSU rbsGkTij KlmanSar ³ sMen; . flobGkTij xId eV eTAtantRmUkarbs;TpSr -tRmUkarbsGkIhB ck; EtenAminTanmankMtXseBj el j enA eLy .

bBaepSg²énkarEk I KNPABRSU

- enAkjCMY dRSU kareR)asCBaj -hanXatkareFCMY edayminmanCBaj ; nigerbl R)as;]bkrNvasKltsMNm KWarFEkI manPaBR)akdCak;I akbMtedm,EFV CMY Epkel I KNPAB -kMtSMNm ;
- enARbetSkmCa RosnebeKrkSaTkrRuritEtyU vaGacngmanpStEdI beBa⁹]sKEdI dteLg BaseBj . RkabGgaEdI ERbBN KbitCamanpSt -minEmnkaknkEdI bNpl mkBkareFV

GksdtkmēLj; . tēl Cj dtecaNacRtUonbōyagxēd ebeTahbraGaRšyēl kltēnkarxtēxatkp.
 LūRšUedI manRKabGgāBNel Gg ngmīnRtū)anPōbtēl GēLly . dēčēl CaRbkaršManRtū
 bgārkll[manRKabGgāBNel GgēktmanēLg . karEdI kskreFkarhal sēlPam² ekay
 eBI Rcttkat;Kē KwāFEtmlyKtedm,ēdāHRsaybBaēnH .

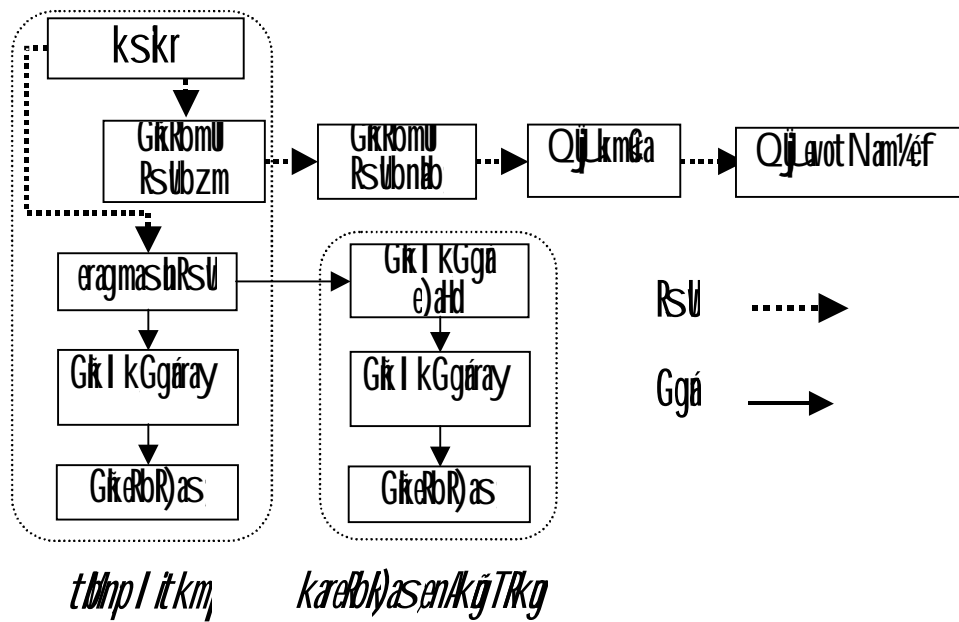
3>3 sēnPaBbcē, nī ngbBaēpSg² ēnkarEckcayRšU

Ckhaninly² ēnplēckcay

sēlōsēnPaBfmtāēnkarEckcayRšUenAkmeā vaCaTmēbrbsGkRōmU RšUedI RteFmNreTA
 kanpHrbskskredaynalykeTACamlynurfynplēkTmij FmFm rhūēdI mFm edm,RōmU Tij RšU fēl
 kōjkrNkēl kskrnalykRšurbseKdk tankg;āllēkayn³eTAI kenAeragmasēRšUkp . edayeh tifa
 karRōmU Tij RšU GkNakēaceFyanedr [Etmanrfynpēlōdk ngfvkasēlō;Tij RšUenāH kskredI
 manI Tēab EtgeFēCaGkRōmU RšUozmenAkōjPthi . eyagtankarGegāCamū danēnKēlrag sakI ,g
 89°ēnkskrēdI I kRšU Kw kRšurbseKeTA [GkēdrRōmU Tij . ehly 46°ēnGkēdrRōmU Tij RšU
 KwakskreFēRšUfēlō EdI RōkbrbrRōmU RšUenHCamxrbbrbnēlōbnSM

CaeKal karN_ RōbtōtkarbsGkRōmU RšUozm KllānkllēnAkōjextp . eTāHCayagenHkp Gk
 RōmU RšUonbō;TBr KllānrfynplēkTmij FmFm dI FmFM. BkēKTij RšUonpēGkRōmU RšUozm .
 bnēlōmkdkykeTAI k; [QjLixēdI enAerKāextp . dēčēl kōjkrNedI kardkCBāēlēkōjrgē;100Km
 GkRōmU RšUonbō;TBrminmankarGnpakmneT . CaFmēta mēseragmasēRšU Tij RšUBGkRōmU RšU
 bzm . Casegē kardkCBāēlRšUēlōkareRō)askōjRsk KllēmEteqāēlēTakaneragmasēRšUedI
 sēlēnAkōjextpēNēH . ÉkardkCBāēlōjy Kwēm,habēj eTakanRōēTsevoT Nam ngēfLggeday
 QjL . eyagtankarGegāCamū dan plēfōbnēkardkCBāēlēlō danTmfi; ; rbsGkRōmU RšU Kllān
 cllēh 46° eTakaneragmasēRšU ng 37° eTA [QjLēnAevot Nam 11° eTA [GkRōmU RšUdeTēTot
 -GkRōmU RšUonbō;TBr ; ng 5° eTA [QjLixēp bNēj EckcayCamū dan manBnūl dēxagerkam³

³ eyagtankarGegāCamū dan kskredI manēfū)aydkCBāēlēlō xēl Kwāncēlēcag4°ēncēlšrb .

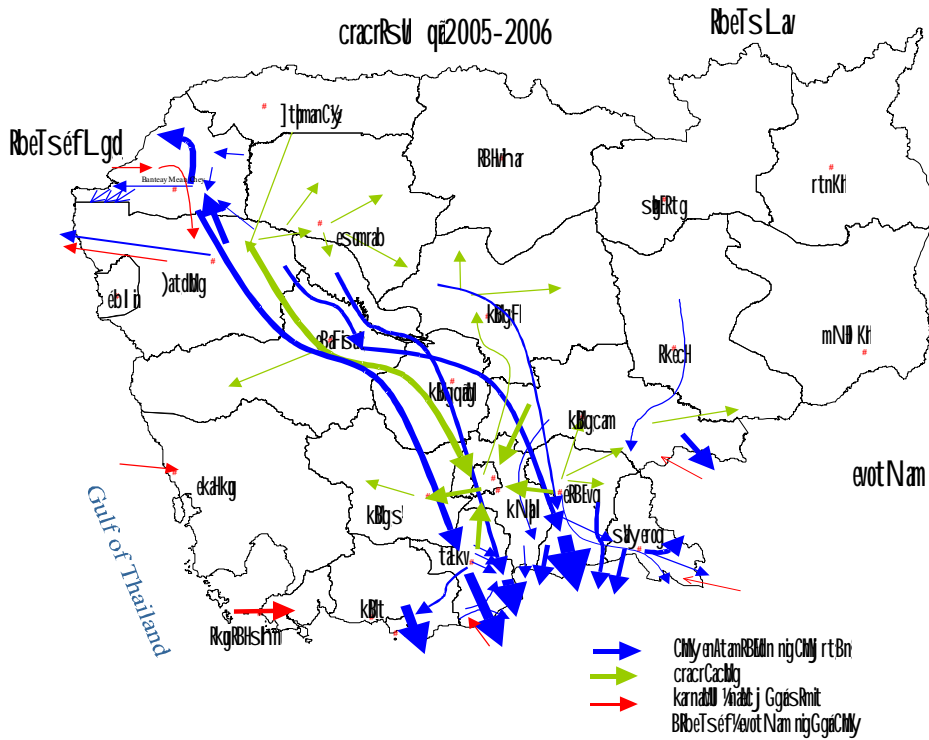


rb 3-1³ bNbj CJ dbngEckcayCanU daa

TisedAEckcayRstU

RstU GgáeF)racrB)mcR)PBedmeT)kan)h)ceR)aseT)atant)mkar nigp)á; . Qrel I mU d)enH I k)P)l)acxat ént)isedAEckcay K)arx)sk)ent)l ehlyT)hij eF)racrB)tkEngEdI mant)l efak eT)kan)tkEngEdI mant)l x)sen)er)k)and)N)h)karCj)db)zckcayed)ayesrl. Caer)Oy²ek)Etg niyayfa eh)dar)nas)mk)ed)ckcayEdI min)kar)G)P)id)An_ Ca)B)ess)u)fil ; |K)W)aj)bs)K)edI rar)edI ; kar)Eckcay . k)h)np)na)h)in)Emn)Cal k)P)l)acxat)en)aeT . Ros)ne)bl)l x)sk)en)ah G)acT)U)at)el é)fo c)l)N)ay)el kar)Eckcay)an T)hij nig)Rt)U)ek)dk)CB)ad)éT)Ac)min)an e)beT)H)B)Ca)en)A)el p)u)q)ny nig)min)l ¥ kp .]T)ahr)N)_kar)ab)j R)st)U)er)k)Ap)u)kar)q)q)kat)R)B)l)nt)am)rf)yn)P)rt)U)aneF)l)day)er)R)as)pl)ag -p)u)l M c)B)al)T)isedAEckcayR)st)U)G)á)en)Ak)u)R)oeT)sk)me)Ca)ca)l)ac)R)T)U)B)h)it)em)l G)g)á)S)mit nig)R)st)U)da)ced)ay)EL)k B)K)á . T)isedAEckcayR)st)U)G)ac)se)g)l)and)l)ax)age)R)kam³

- R)st)U)S)h)be)R)as)k)u)R)sk³
x)N³EdI eragmasRstUenACitraCFanP)h)Bj EdI en)AT)en)ah)min)kar)da)h)R)st)U Rt)U)T)ij R)st)U)l Ex)Rt)ek)A Et)Ca)ek)al kar)N)_R)st)U)Rt)U)ane)K)dk)CB)ad)é)en)Ak)u)Ex)Rt beT)A)kan)Ex)Rt)Cit)axed)em)l



RobP3RkmGkRsaRCa

brimaNEckcay

edayehtifa minmanThnŷGibrimaNI kedaykskr brimaNI kenHRtU)an)ansapedayeFkar
 dkbrimaNTksmbeR)aspal xüecj BbrimaNpl srb . eTatCayagenHkpvaminmanPaBRtmRtUCak;
 I akeLy BeRBalkskrxh I kRSUedI xübbŷTksmbeR)ockpal xü ehlyekaymk Tij GgāmkCMY
 vij . cŷBaBrimaNnablj nignatll tanEbbbTpkarvij ThnŷBRksŷBaNCkmŷaykdankŷ
 GaCaFrkŷGp nigkaŷRtV Kwacrk)an . kŷŷnŷTpaBgaceCCak)an KŷŷanbBaä BeRBaThnŷTaj
 enahmindtKä . ek)ansapetAtankgetnŷfa brimaNnablj natll mancmRbEhI Ca20>000-
 30>000etankŷmŷqāMedI GacehA)anfacaCMY eqot»kas mindtCakarnablj EdI eFLŷCaLŷFŷ
 -GgāsRmit ; dŷŷenRbeTséf nigevotNameLy . karnatll CapŷkarCasMan; KwgāCMYEdI eFL
 eLbedayGgāres,ŷGaharBPBel ak (WFP) kŷŷnŷbnapqāŷŷenH GgāCMYRtU)aneKTij enAkŷ
 RbeTskmŷa .

vaCakarc,asNasEdI fa CMY qgkatRBMinRkApŷkar KŷŷanThnŷRŷagkarnablj natll tampŷ
 kar . CMY qgkatRBMinenH mankarnatll ecj eTRbeTséf/votNam nigkarnatll GgāRkGbkŷNatBI

Rbet séf . fllbkarnalst uec j eT Aevot NamnankarekheL byagxatjenAküjeBl bnanoqähHkpEtTniz
naltj enH minGacrK)aneTeday sarkarnaltj enHeFVLberKApükar . ek)ansapfa RsUclmHBl/0-
1/5I anetan -slbbqä2005-2006 KlwanclmHBl/5-2/0I anetan ; RtU)annaltj kömlyqäh .
GgaklNatEdI pl itenARbet séf RtU)anI kdtedayGike)ahdMgäenAtamTRkgnana dtCaenAPHj
Caedm kbnclmHGlkeRbR)asGgarRoePTenH KlwanclmH edaysarEtrsCatibsya .

edayBcarNaeTael II kxPakEsqTajenH brimaNsI Bltrmükar EdI CasNI bnabBkar
dkbrimaNTkhhöckpäl xä ecj BbrimaNpl srbEdI pl it)an GacrTU)ancat,TkfaCabrimaNEck
cayénRsU BbBahekGacrK)annltVel xEdI TmgnngKY [eCO)anbblt .

karEckcaykögRsk

dt)anerdorabxagel Hmkehlyfa PaKEdI BakBvSTAngCMY RsU KlwanclmH skr GlRomu RsU
bzm mseragmaslnklnRsU GlRomu RsUbnab; nigQjLkmea . BkekminRtU)aneFikarEbgEck ()an
ditdI BitR)akdeT . eBl xä mseragmaslnRsUmäk; KwaGlRomu RsUozmpg nigbeaQjLpgenA
eBl Etmly . karCj dbrvagGlI k; nigGlTij CasManKwakarCj dttanrebobcrcaKä . CaFmfa
GlTij R)abeTAGlI k)NamikEdI xäsAl ; GBRoePTBC1/1 kal bricäRomu RsU edaypal mat; b-
tamry³TsBäed . dtcl enAeBl EdI GlI knalykRsUeTA [GlTij tM CasgdanlyRtU)ankltCanna
rteRsceTaehty . manEtRsUedI mankltsMnmxs; bmanI aykMickMtatE atopSg²EdI naVman
PaBminsitSaBessbeNÄH EdI RtUmankarcrcabBaftM -CakEsqKWatbnRyTmft; ;.

kögkrNEdI kskrmäk; nalykRsUeTAI k;[eragmaslnRsUedayEpktanBtmanpal mat; Pakkag
eragmaslnklnRsU KwaGlEdI sltkögsonPaBxatjCagenAküjkarercatM . Caekal karN_rebdtUat;
KwaCMY EdI TUatCasacr)aksütš edayehtifa CMY CarebberkDb -Tij 1/4 keCO ; KlwanclmH
GPiDAn_ . cNBahGtifCnCarocal/karTUat)ak; eBl xäFVLgenABr befQkay . dtcl karklttM
rvagGlI k; nigGlTij KlitgeFVLgtamry³karercra EtminsitkögbriyakasebkclheT . flblaminman
PaBc,as;l asslbbGkGlkeRKA tM enAel ItpSar énRsUenAkmea KlwanclmH edaytM EdI pl ;[edayQjL
evot Nam.

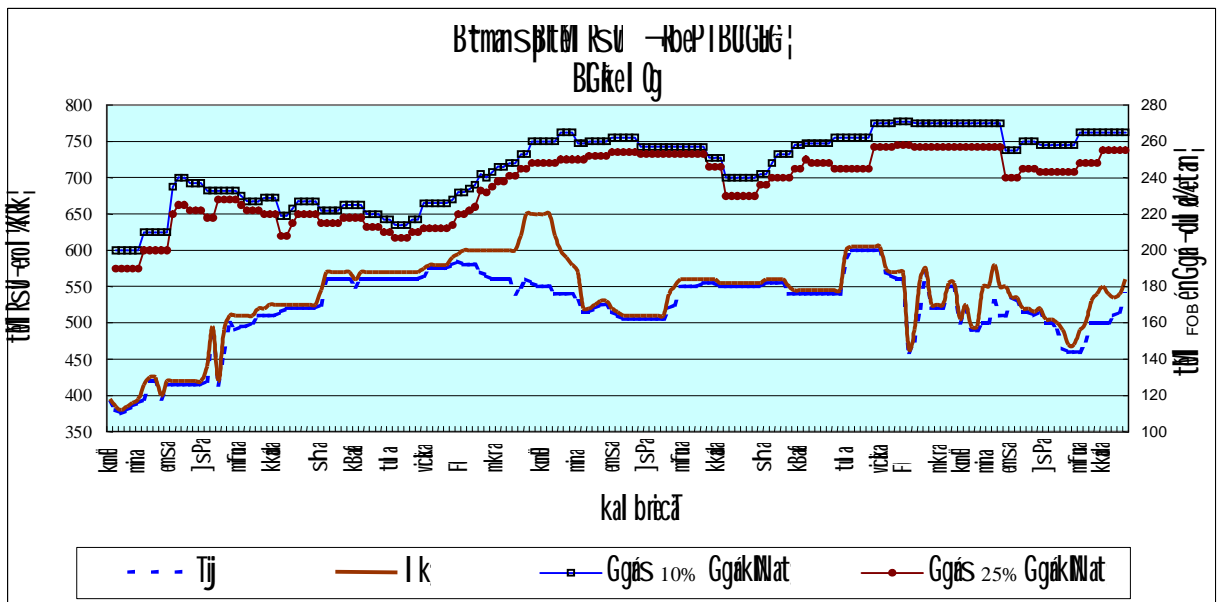
karEckcayrevag RbetScitxag

Qj k m e a n i g e v o t N a m e F C M Y t a m r y ³ k a r c r c a e n A t a m R c k e c j c U d t m a n b g a j e n A k g E p n T k a g e l I - s i t e n A d a c e d a y E L k B c h c E d I R o m U e f o g k a t ; ; . e d a y e h t i f a Q j L o v o t N a m b B a a k R) a b m k Q j k m e a C a m n u R b e P T B C n i g t M e k G a c n i y a y) a n f a v a R k a n E t C a s k m P a B b B a t M i j e d a y E p k e l I k a r v a s E v g % F i t s K I N P a B b e N H e l k E l g E t e n A b n a y c R k e x t p B E v g n i g k B g e r a T e x t p s t y e r o g E d I e n A T e n a l Q j L o v o t R o m U R s U k m e a) a n c a b e p p n a y k R s u e T A E s t y r k G k T i j E d I p p ; l k x P a D t M ; I b p t B k g c M N a m Q j L o v o t N a m . k a r T U a t P a K e r c h b i t e F i L g C a s a c R) a k ; e h y Q j L o v o t E d I e n A x a g R o e T s e v o t N a m e F k a r T U a t C a r b i y b P a b s e k - R) a k d g ; .

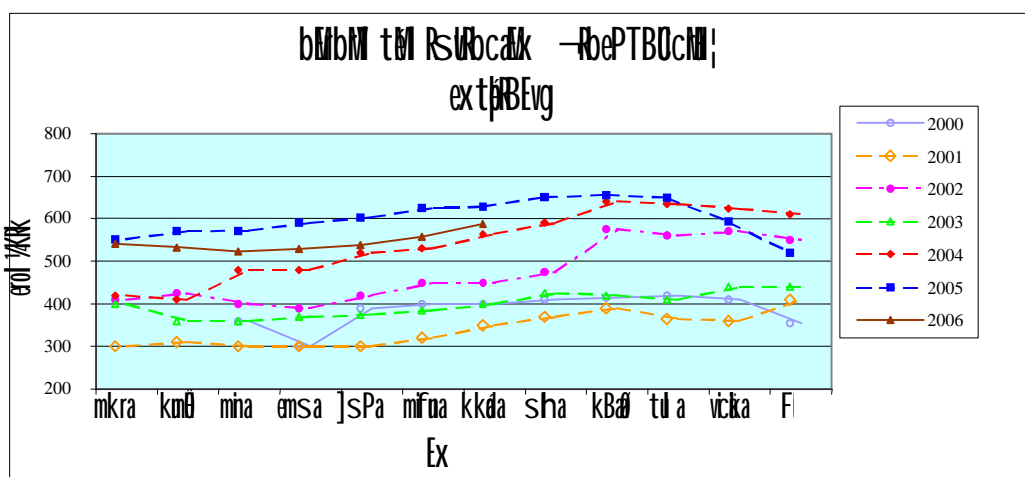
t M e n A e l I p S a r

t M e n A e l I p S a r e n R s U R b e P T B C c h c e n A G k e l G g e x t p B E v g B e x k m e d I E x e m s a q a 2 0 0 6 K W m a n b g a j e n A k g r b x a g e R k a m . e k G a c e m l l e X j f a t M e n H K B i t e n A e f r k g c h c h e l s B 5 0 0 e r o l K R k c a b B e x] s P a q a 2 0 0 4 d I E x m i n a q a 2 0 0 6 . k a r E r o R o v c h e L g e n t M T i j e n A k g r y ³ e B I e n H - 2 q a 2 0 0 3 E x ; K W a n c h 2 2 5 e r o l e s p u g 4 3 ° e n t M C a m F u m E d I m a n c h 5 2 1 e r o l . c M N k E t M I k ; K W a n c h 2 7 0 e r o l e s p u g 5 1 ° e n t M C a m F u m E d I m a n c h 5 3 4 e r o l . e n A k g E x t u a q a 2 0 0 5 T a j t M T i j n i g t M I k ; R t U) a n k t R t a m a n k a r F a k c h c h 9 ° E t m y e f p e N H . P a B x s K a C a G t b r i m a r v a g t M T i j n i g t M I k ; K W a n c h 1 0 0 e r o l - 1 9 ° e n t M T i j C a m F u m ; . K i t C a m F u m P a K K W a n c h 1 3 e r o l - 3 ° ; n i g K i t C a e m d i a n (M e d i a n) K W a n c h 5 e r o l - 1 ° ; . e b e R o b o e F o t M R s U C a m Y n i g t M m i n K i t Q j m k d I e l h a v a (F O B) e n G g a s M a n a b c j r b s e v o t N a m v i j k a r e L g c h e n t M R s U K W a n n i n a k a r e T a t a m t M F O B e n G g a s M a n a b c j r b s e v o t N a m E d I C a G k n a m e b e T a h b C a m a n c e n a e B I m y e n (t i m e l a g) e n k a r e L g c h e t M k p e l k E l g e t t M F O B e n G g a e d I m a n K I N P a B x s b e N H E d I e L g h s e h t u .

rū 3-4 tēl RsluAk mēnigtēl FOB ēn Ggān Aevot Nam -s m b R s U R b e P T G E G ;

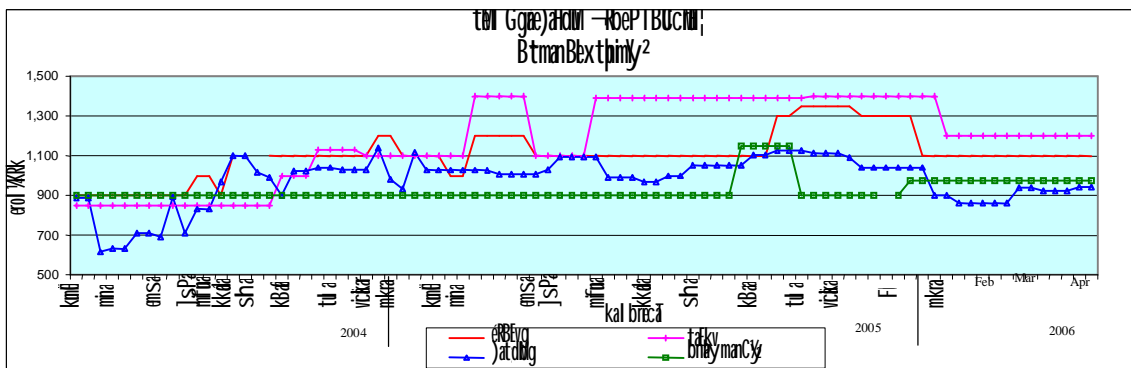


kar ERoRoV Rocablēm ēntēl R s U R b e P T C M d t K ā n A k g e x t p B E v g c a b B q ā m 2000 d l ; 2006 RtU) aned A s M ā l ; . kar ERoRoV en H b g ā j [e X l j f a c h k k M U K W ā b B e x k B ā d d l e x t u l a e h y t ē l c a b F ā k c h B e x v i c k a d l E x m k r a e T b c a b e p p e L g b n p m g 2 v i j . R o k a r e n H K W N p l m k B k a r R o m U p l R s U s S e d l c a b e p p B e x v i c k a d l m k r a . b n ā b B e n ā h t ē l h a k d t C a e L g v i j e n A x N 3 e B l E d l b r i m a N s k T k c a b e p p F ā k c h . k a r F ā k c h ē n t ē l c a b B e x v i c k a d l E x F ū q ā 2005 T i m g C a m a n e r c h K Y s m e b E R o d e F o b C a m y n g k r N e n A q ā m 2 . R o k a r e n H R t U) a n s n t f i a e d a y s a r E t p l R s U) a n l ¥ .



rū 3-5 b m b m ē n t ē l R s U R o c a k - R b e P T B Ū c h m ;

bnbmK KWarBnitiemll PaBxusKienAküçMhamextTaj4 eBEvg taekv)atdMg nigbnay manCyz edayeRbR)astM I krayénGgáRbePTBCCM . enAtaekv nigeRBEvg tM nabcj eTakan; RbeTsevt Nam Kllan\TBI xabj . enAbnaymanCyz nig)atdMg tM nabcj eTakanRbeTsefkan \TBI dtkáedr . eTahCayagenHkp eyagtamTinnyzqá2006 KllankarxusKüçM100erol KRkvag ExRttaekv nigeRBEvg nigvageRBEvg nigbnaymanCyz)atdMg ; . bMbm éntM KllanTlnMte ehly tM manPaBefreRchenAExRttaekv CagenAeRBEvg köktCaenAExRtbnaymanCyz CagenA ExRt)atdMgEdr . ekGaceFkarTShIay)anfa CaTETA extTajBfgayTTV rgnUTBI énTpSardFM enAküçRbeTScitxag CagextpIET²eTot .



rb3-6 tM Ggáe)ahM

Rbtbtjkar énGacVkrmashtkinRSU

eday sarmaneKal neya)ayTpSaresrlsMabRSU/Ggá maneragmashtkinRSUykQÜ shibeRbI R)aspal xü nigeragmashtkinRSUeFBaNCkmpütFMærch RtU)anbegiteLg . kal BGtitkal man eragmashtkinRSUeFBaNCkmpütFMærchRbtbtjkaredayCnCatichenAerKARbeTs . taragxagerkam enHRtU)anerdobcMLgedayEpkel r)aykarNçhbBafbsRksyBaNCKmpü nigkarGnBafti[sagsg; edayRksy]sSahkm[unigfamBI .

taq 3-4 chMeragmashtsEdl)anchbBa;
 -kal bricténkarSaRCaTbFAKbAExkmqá004 ;

ext	chMeragmashtsEdl)anchbBa
bnaymanC/2	51
)atdMg	55
eBaFisat;	24
eRBEvg	29
tækv -el kEl genATHnextp;	16
kBlgcan	18
kBlgqáM	0
kBlgsW	59
kBlgFM	6
kBlt	3
kNpl	5
esomrab	23
shyerog	0
srb	289

RbPB³mb] sSahkm]Er nigfamBI

eyagtanksg] sSahkm]Er: nigfamBI eragmashtsEdl)anchbBa; KManchMhRtmBak;
 kNpl baNH . chhsrbCak]sg -eBalmashEdl mankm]el tsB50ess ; KManel enH 50°
 eTot . eragmashtsUeFBaNCkm]Edl mirabbBaP eragmashtsUknykQñ RtU)aneKKitfamanchMh
 RbEhI 90° éenchMeragmashtsUsrb KManehI Ca390eragmashts .

edaysnt]fa eragmashtsUbcñ,nñKManchMhBrdgercheRchCagchMhEdl)anbgäj xagel I Ca
 m]ynigsmtBaBkinRsu)an1etan]amag ekGacBinitiemll eXlj dltteTA³ edaysnt]fa kareR)asGgá
 k]gRskmanchMhRbEhI 2 I anetan ehly 30° KManR)asenAtamTRkg vaniges]pug 600>000etan .
 Rbsnebbk]bEnmBI 200>000 dI ; 4000>000etanénGgá Edl htecj eTARbetSCitxag enahbrimaN
 GgáEdl kinedayeragmashtsUeFBaNCkm]pugmanchMhBI8000>000 dI ;1>000>000etank]m]yqáM

Rbsinebl eragmashtuRsuMlydNrkar8emag1af9 nig330éfRjgmYqabhaH vangmannYzfa Gackin
Rsu)anRbEhI Ca 5>280etan nigpl it)anCaGgásmitckh 3>400etan . kúkrNenH eKac
KNnaeXlj fa eragmashtuRsuMlydNrkar 295erag = 1>000>000%>400 ; KRkbRkan; ehlyerag
mashtuRsuRbEhI Ca 100eTot nigRtUCacMhEdI el IstRmUkarénCMY RsUTajmU .

décleragmashtuRsuEnAkm&a KllanclhheRchhYs ehlykareCIsertamry³karRbkRbECgkú
cMNaeragmashtuRsuEfbANcKkm)ancabeppeLj . krNbit eragmashtuRsu ehlybpeTACaQjCY
RsuWij RtU)aneKBinitieXlj . tamTisedAGnakT KWacmanI TPaBBRgk nigeFhCAkareragmashtuRsu.
eTahCayagNakédayeKrbRgfaeragmashtuRsuEdI manedhtuRkbRkan;shab;Tij RsU nigGacFana)annU
RckTpSarGgáEdI Capl itpI shtc nigmanshPaBI RoestCageragmashtuRsuEdI edayehTifakar
bBaPka éneragmashtuRsu KllankarI NakenAkm&a . tamBit enAeBI EdI brimaNpI RsUel IstRmU
karmankarfych Kllan)atPteqótRofyeFbaClkmpstuedm,rkpl cMnj edayGkrRmU RsU nig
maseragmashtuRsuEdI manTuRkbRkan; .

enAtamextpsMan? ekeXlj manbegltsmakmeragmashtuRsu . kal BmnenH KllanEtGgkar
mlybeNñH . Etbcñ,nñmanGgkarsmakmclhBfEbokej Ca smkPaBsmakmmashtuRsuKma nig
smakmmashtuRsuCatkm&a . GgkarTajBrenH KllanEpkel b,abNamyCak;I akrbsRoetsCatiT
kllan)otbtpnAkúrggjbTbBaFmTanyshab,smakm .

karCY dñKakal neya)ayEckcay
(CMY CY dñKúRsk1Kakal neya)ayEckcay)

karCY dñEckcayRsuGgáenARbetSkma)neBI manrbEckcayesrditeBI bcñ,nñ-1985 ;
KllanAeRkamRbRkbRkgrbsrdanigcatEcgedayRksyBaNICkm)ingdNrkareday Kamplimex
-GacaFres,óg ; . ftoKadjenACManenahmansPaBRTDeRTam EtrhUmkTI eBI enH ekeXlj enAman
esssI Caerch enATUajRbetS edayminmankareRb)as; . ekmanCñQpgedrfa bka kEdI bñkar
enAkúEpkrkbRkges,ógnaeBI enah KllanAmanesssI Cabka kEdI el IstRmUkarenAtammñBaNIC
km)extpimY²enAeLy .

rdap)al)anI bñMatRbRkbRkges,ógedaysarEtsmaFhriBa)ttB . eTahCayagNakéday
enAeBI dakecj nlesdñcPpsaresreFbaKakal neya)ayCati karEckcayRsuGgáRtU)aneFhsrPa

küzan³CasmaCkmYrbsGasar RbeTskmCa)ansnüaertombMgTkGgácMh3>000etanedm,l
GnutBbBRTombMges,ig . RksyBaNCkmplidI CasabTTV xisRtUrbsrdæCüdmNgdI erag
masmRseFBaNCkmTajGs;[sTkCaGcöPnycMNsMbmYEx énbrimRocajMehlyenAeBI
CamYKienEedr bgáb;[saClkmpbsrdakWmhRmRtEdI Casaxarbsxü [eFkarsTkpgedr.
eTahCayaNakeday karBritüBaakCaetotTat;GMkarsTkRsenH KMinTan)aneFlnAeLyeT .

eI sBbnHeTaeTot edm,ertomsMbmhnpayFmÇatépSg² dðCaTkClnCaedm KltUmankar
erdcBRTombMgBCRsUedayRksyGkskmpl nigkareRtombMges,ogsmRkamanGasnii edayKN³
kmaEkarCatRkbRkgeRkalmhnpay edm,CyylmEdI CberKalmhnpay . yagNakeday CakEsj KW
Caj kj abEtgeqlytb)anchBaTmMhnpay enAekayeBI sBbnmhnnpayenaf)anel ceLg .

edayehtifa kareRtombMgTkRsuGgá RtUkarfvkasMh;Tij EdI mancmherch nigRtUcM Nayel I
karsTk deçH vaCabnk dFasem,msMbdap)al . vakmismRsbCakargarbsÉkCneT .

BtmanGMTPsar

BtmanGMTPsarCasMan; KltmansBltM EdI RtU)anTlak;TmgKätanry³pbl mat; viüTak;Tg
TÜTsSn_sarBtman nigmeFüa)aydeTeTot .

RksyGkskmplnigRksyBaNCkmplom BtmansBltM pl itpl kskmpana tanry³karçH Gegat
clmcmankMtedaysBbvenAmü danrbsxü -mnpBaNCkmplnkskmextp; . RksyGkskmplom
TmnyGDRsu KWMI Tij RsenAtameragmasmRstamextp¼RbePTBCsMan² ehlypl eTA[EpkpSBV
pSayrbsrdawitüTÜTsSn_nigsarBtman . RksyBaNCkmplom TmnySßGgäel x1 el x2enAtam
TpSarküRksMan² . EteTahCayaNakeday KMinmanniymny;c,asI aseLysGßGgäel x 1
nigel x 2 edayekRkanEtcacCacINat,fakeTatankMttM beNñH . TmnyEdI RbmÜ)an RtU)an
RksyBaNCkmplEkarEckcayedayecj CaBltPrtRocals)an_manchMh300c,ab;I .

eTahCayaNakeday BtmanrbsRksyGkskmplnigRksyBaNCkmplPaBTaneBI evI a nigman
mnl kügkareR)assMbkicRrCMY CakEsj . miageTot GkTij nigGkI keFkarvnicy el ItM Tij ¼
I kedayEpkel Btmanpbl mat; . xN³EdI bNbj TUsBzEdRKbdNpel ItMnPaKerchenah el ,ñ nig

karKbdNpénBtmanpál mat; KllankarxusKáTajRsgCagkal BbnanqáMn . yagNakélay kareBl Ras,Tbs BdenAtamPbiKllankktstlabFtkskrmYcMh .

pSarI kray/pSarI kdM

minmanpSarI krayCaBessstlabGgaeT . GkI kGgaray RokbGaC/kmipbsekenAtamhagGga I krayFmfa nigenAtamTpSarI kraySaFarN³nana . flabItpSare)adMbl kllstlabGgaminTanman karGpivDAnkpEtmanTkEngmY EdI GkI kGgarayRomU pMla Kth/AbhxstnGysYyanraCFanPbBj .

tarag3-5 skpBI nigktpanaEdI Ca]bsKA I karekI kaCY dUeckcay

I kxNankaEkI kaCY dUeckcay	skpBI	kt]bsKA
beghakarattj	manI TPAbbeghbrimaNpI RsU CaBess TnpI RsU . karattj eTARbetseotNan RtUeFcaGgasRmb EtminEmnCaSueT . xN ³ EdI KINPaBGGasMbeFkarattj KllmankaB)akstlabbecRvCa nigbrkEkéqñ rbskmEanaBI bcb,ññ dteKkGaceFkarattj CaGgasRmb . edayeh tifa Gga sRmbmanbrimaN 1½ nigTmñ; 75-80° eRbobeFobCamYRsU dteH vaGackatbnY efdkCBad)anyagech . flabGgasRmb gayngxdkINPaBCagRsUkp Etvaninman bBaGVT edayeh tifa kardkCBad)Etkanerag mastRsUenARbetseotNan cMlayeBI RtmbRbhI 2efñeNñH .	TpSarRsU/GgakujRskKllankkt . el IsBbnH eTaeTot vanankaB)akeRCotcU eTAgjTpSar RsU/GgaGnpCatieRkAGBRbetseotNan nig Rbetsef . karattj KllWlgCaGga sRmit . minmanGgkarattj EdI eFkanad ecj CaGb,brimanancM 5-000etan énGga manKINPaBeska EdI GacerobcManEtKj ry ³ eBl mYExeT . Gknattj RtUkarbecR vCaTmb¼fvka/TMkcitp -karGnutpkic ^o snua! . minmanGllacRokEReCGxagtM edaysaEtefQ dteCBad)Ekécimankktxs; nigI TPABGaceFkkt manktTab¼karykBs xs;c,ab¼ntvFhactj minmanRbsitPAB . I .
EkI ARbsitPAB Cñj ¼eckcay	RbBñCY dUeckcayRsU ngRtU)annad)at eTArkkareFIsñitankmpeBkankartRngTiseTA rkTpSar .	sñPAB Cñj karekI ARbsitPABCMj ¼eckcay KllAQbesñ edaysaEtkarbnpatj RsUeRkApuka .
tRmlkarTpSar	sñekkanPaBmannikareTArkTpSar tRml karbsGkTij ngeFIC mankarEkI KIN	tRmlkarbs;TpSar minEdI eTAdI GkdadM edaysaBtmanminmanPaBskA .

	PaB nigkaCY dU/ckcay EdI tRmU[man kaEkI [Rbestelg . PakkagGikdall ngRtUqlytbeTAngI kRkEnal .	
--	----------------------------------------------------------------------------------------------------	--

bBaenkarEckcayRSU

z kgUxatBtmansBItI)

BakBhngkarmanBtmansBItIpaR PakkagGikTij EtgsItküsönPaBRbestCagPakkagGikI k; .
 GacniyaymügeTotfa karCY dU RtU)aneKeFVLgedaymancenabRehagEpkBtman . ebEtabCaman
 kskrCaerchkRgI kRSU kbenpinmanspdatI sAbkarCY dtenHeLy ehlytI I k; KIBnceTA
 tamCMy dInimy² . xN³EdI TkEngsAb; kRSUrbskskrFumFüm KkankIt EtGikRomU RSU
 GacTij RSUBkskrCaerch EdI RokarenH eF[eKsItküsönPaBrngmaM. dEch kskrRtUbgMitpTV
 yktI EdI pp ;[edayGikTij .

z karfngminRtmRtU nigKINPaBGn;)

edayehtifa GikTij sItküsönPaBrngmaM vFFngmin)anRtmRtU dEcafngngCBajEdI sEPk
 CBaj karbgIckIttE nigkarraBetcMh)arRSU bnabomkKUNngTmIEdI tE Cag KkInmankarTb;
 säteLy . kskreFItbeTavij edayI kRSUedI mansöNmxs; nigdak;I aykItckIttE pSgenAkü
 RSU . eBI enal GikTij ngTmIaktI ÉktabenmeTot ehlyekaymk kskrKüzayaml Ebntot
 EdI TegItajenH ngnal[FakkürggjkINac (vicious circle) ³ KWINPaBGn; nal[tI Tab ehlynal
 [KINPaBkanEtGnEfmeTot .

z karEftaMin)anI AUpEdI Ebkecj BpIFMh

püfil nanaEdI minEmnCapüCatRkal ekASUminRtU)aneKkRkal RkYseT ehlykarEftaMinana EdI
 Ebkecj BpIFMKUFLgedayRkanEtcaKbBj RkI kEdI CarFankarbeNpHGasnimly . dEch püTaj
 enahrI akxetjNas; . enAeBI manePögFakmb² püTajenahngcabeppebkPkPam EdI eF[rFynpin
 Gacqgkat)anRkbTkEng . karFakcHenRostI PaBeRog\h³rbsrfynp nigkarekheLgnUeF@S CÜ
 KmancIhechRkasERkI ehlykarxatbgeBI evI a nigkarcINayfvika KkInGacvasEvg)aneLy .

z eF[e karnatcj RSUerKApükar eTACakarnatcj pükar)

RSUKgchMerchRkasERkI RtU)aneKnabj eRkApükarBRbeTskmCa . mU ehténkarnabj eRkA
pükarenAxagPaKkmCa KWBaH nltivFhabj pükarmanPaBRbeTIsRbTaly nignallÉfødmeKhxs; . Tnm
nigenahpgEdr KWBaHPaKkagRbeT séf nigeVot NamminabU RSUkmCaCapükar .

RbeTStalyBrenH CaRbeTsedl nabj GgädZVehlyRtUkarRSUrbskmCa . vaTmgCafa karnall
cU eRkApükarkayCaGBminl Edl caYacmyenAxagPaKEdl nabU edayeh tifa karnabU CapükarGac
bNpl [BkekmanbBaä . GacniyaymüageTotfa Gkpl itRSUenRbeTStalyBrGacmankarRoqalyngkar
nabU enah BbBaH tñ RSUenAküRskrbseKngFakchedaysarEtRSUnabU mantñ efak . flñol
RbeTskmCaRtUkarnabj RSUedl xñpl itel lSBltRmUkar Etkarnabj RSUeRkApükarrbsxñTmgCa
bNpl mkBPaBgayRSU énRbeT séf nigeVot Nam .

CMK TI 4 kareFKMagEpnkarbegit TpSarRsUebkclh

4>1 eh t p l s B Pa Bca M c n T p S a r S U e b k c l h

4>1>1 Pa Bca M c n T p S a r S U e b k c l h s M b C M J d t R s U

RbeTskmEamanI TPapapjRSUGgüedayxüEgenAqäM 1995 . cabtatjBebI enahmk
RbeTsenHpl it)anRsUel besckRtUkar . brimaNRsUedl pl it)anel istmUkarenah RtU)annaM
ecj erkApükareTARbeTséfEdl CarbeTsnatcj GgäFüagek nigeTARbeTsevoT NamEdl CarbeTs
RokVReCgkügkarnatcj Ggä .

pläyETAvij sänPaBénkarEckcayjCMJ dRsuGgäenAküjRskCaTöTA minmankarERoRbI eT
ebéTahbCarbCaCnmanTmäreTArkkarbréPaKGGäEdl manKüNPaBI ¥enAeBI Edl eKmanrbGahar
RoesLlgkp . slerkamsänPaBenH I Tpl énkarnaRsuUecj erkApükareTARbeTsCitxag)aneFV
eGayeragmasInRsUedl manerchel IsI totatjBedhmkenah bpeTARokbmixrbrCaGkRomu 1QjL
RsuVij .

enAerKamsänPaBénkarEckcayRsUebbenH eTahbCardaP)al km(ä)andakecj nlesrPaVb
nykmökarCy dUzckcayRsUGgäpkömpkarl kdUeFbCaCkmi)du minmanekal karNküNtRtm
RtUkRgrkral dal enAerKamRbBhsdteCsgän Edl minTanmankarrkclh . mankarföginRtmRtU
karl ayedayectnanUkVickM ngvtöPsg² nigbriyakasEdl minKitKöBkarhal slyt nigsMat
RsU Edl TegTatjenH begiteLgnUTM abGarKkdI kareFCMj dEdl BakBhs köCtCakarEkI Ukar
RkbRkgKüNPaBpgEdr . enAeBI CamYKäenHpgEdr kskrmankarB)akngTTV)annöBtmanSp
BITpSar BGikedRbomu Tij RsUQjL RsUragmasInRsU Edl manPaBxüsKä edaysarEtcenah
RbehagénBtman. dteH kskrminslmanGöNacküj kartéföT .

RsUedl natcj erkApükarküjbrimaNdeh edayminmannitiFi nigküNteh tBaNCkmesid
enah eFVGaykarKNnatul üPaBrvagbrimaNsI BlermUkar nigbrimaNxlaxat énrSUgGäminGac
RorBtpTA)aneLy . el IsBenHeTot CMJ dteEbbenH RtU)aneFVlgCamYngRsUedl Capl itpl
mantM benHTab nigCartfatedmsMokinsRmit edayminmanküNPaBesKäl ¥min)aneFkarhal
slyt nigsMat . tamry³karnatcj erkApükarTatjenHeTakanRbeTs Citxag karCy dUzckcayenA
eBI bce,nänH KbsC)anenAküjTisbBas; edaysarkarbg)akküj kN³I tI akdl GaCaFr

enAtanRBUn kardkCBaütampünl ¥karel kdakRsUctleLgBLanmY eTALanmYeTotEdI ebk
brtampüvagt² . I . yagNakp RbsnebRsel IstRmUkarenaHminRtU)annabCj eT t¹¹ RsUk⁹
RskngmankarFakcthyagxatjehykarpl itRsUngmankarFakcthyagK¹¹tk BeRBalkskrGs;Tk
citk⁹karpl itRsU .

TpSaRsUebkc¹¹RtUeT CavFsaRspanRbsitPaBmY sMabp¹¹ep¹¹ [manBaNCkm¹¹RtU
nigmansmFm nigmankekl K¹¹NPaBRsUtamry³karpl Btmans¹¹BTpSar karfng)anRtmRtU
karvayt¹¹ K¹¹NPaB)ansmRsb nigkark¹¹Nt¹¹ eTAtank¹¹K¹¹NPaB .

4>1>2 PaBca¹¹ncénTpSaRsUebkc¹¹sMabGp¹¹D¹¹A¹¹ssahkm¹¹RsU/Ggá

karnabCj RsU¹¹naeBl bce¹¹,n¹¹K¹¹mansmanaRteTAngskm¹¹PaBbegh¹¹l itkm¹¹skm¹¹karC¹¹ij kar
nabCj karTTV)ann¹¹Ur¹¹byvt¹¹BreTs nigk¹¹Nhéc¹¹N¹¹U rbs¹¹Rkm¹¹sk¹¹Rk¹¹ enAekamEpnkarrbs;
rda¹¹al .

EttamFm¹¹taekna¹¹g¹¹acj minEmnRsUeT . RsU¹¹K¹¹WaK¹¹ab¹¹BC¹¹EdI manbBa¹¹Bak¹¹B¹¹sigkarkarBar
enAeBl d¹¹al¹¹ nigesah¹¹yc¹¹Nayxs¹¹sk¹¹g¹¹kardkCBa¹¹ EdI bN¹¹al mkBmanbrimaN nigTm¹¹f¹¹erch .
ebeTalbCakarnabCj RsU¹¹rbskm¹¹ca¹¹TakanRbeTsTI 3 man¹¹Yfa RbeTskm¹¹cananI TPaBnabCj
RsU¹¹GgáeTakanRbeTsTbkp k¹¹RbeTskm¹¹caninmanG¹¹Nac¹¹Taj¹¹RsUgedm,ha¹¹Ug¹¹as¹¹Rnitec¹¹j edaypal ;
eLly BeRBahvatRmU [manC¹¹laj xage¹¹F¹¹ca¹¹l¹¹km¹¹Yuka¹¹karRk¹¹Rkg el kEl gEtC¹¹ij qk¹¹kasmb¹¹mal
baN¹¹H . I TPaBR¹¹bt¹¹tp¹¹bsRbeTskm¹¹canaeBl bce¹¹,n¹¹K¹¹Wakar¹¹R¹¹fy¹¹yagxatj¹¹sMabG¹¹knabCj .

C¹¹manQaneLgca¹¹Macrbs¹¹RbCaCnkm¹¹ca EdI CavFmanPaBR)akdnym K¹¹U¹¹Verons¹¹Et¹¹Bl¹¹U
karTpSaGnpCati Cam¹¹Yngkarbn¹¹pa¹¹RsUecj eTARbeTséf nigRbeTse¹¹vot¹¹Nam. enHCak¹¹mit¹¹m¹¹Ys¹¹Mab;
EkI K¹¹NPaBRsUehyBRng¹¹G¹¹Nac¹¹Rok¹¹Y¹¹RbECgel it¹¹ . C¹¹manTBr K¹¹WabCj Gg¹¹as¹¹Rmb¹¹eTA
RbeTséf nige¹¹vot¹¹Nam edm,ksagk¹¹al¹¹tr¹¹h¹¹rbskm¹¹cas¹¹Mabna¹¹Ug¹¹acj . TpSaRsUebkc¹¹h¹¹ng¹¹Gac
c¹¹l¹¹r¹¹nc¹¹N¹¹k¹¹Cak¹¹Es¹¹g enAk¹¹g¹¹TisedAénkarEkI WenH minEmnRkan¹¹EtmanEtenAk¹¹g¹¹RT¹¹vs¹¹konkareT .

4>2 I TPa¹¹l é¹¹karGeg¹¹t¹¹ nigkarsk¹¹Sa¹¹Bnit¹¹ul TPa¹¹B¹¹T¹¹TA

edayEp¹¹kel II TPa¹¹l é¹¹karGeg¹¹t¹¹kar¹¹sk¹¹Sa kEngsm¹¹Rsbs¹¹Mab;TpSaRsUebkc¹¹h¹¹K¹¹U)aneRC¹¹s
erlstamry³karvPa¹¹kel brimaN¹¹RsUe¹¹l¹¹RomU)an nig¹¹l¹¹karEckcay¹¹RsU .

extkWatlnrd)al EtminEmntM NageGaykEngEbgEckpl itpl eT . eRkamesdkePpSarEdl
 kügenaleK GacdknaMij cu nigecj eRkAextpdayesrl vaCakarSmRsbedl catTktlnpl itkmCa
 tlnrhmly . Tlnhtlnpl itkmply minEmnkM tRtmetCatlnEdl Edl TpSarRsUebkclhmly
 GacRkbdNpenaleT . eK GacbegltTpSarRsUebkclhel lSBI2 enAkügtlnnenal naeBl GnaKt .

enAeBl eKBicarNaBlTpSarRsUebkclh tlnFRs nigtlm;l MAdanrbskskrEdl CaGkl k;
 ngminFMU ayeBkeT GaRsyedayPaBgayRsl kügkardhCBalRSU . tlnskmPaBrbsGkedh
 RomU RsU/GacvkrmasbRSU Edl CaGklTij eTbFMU ay . enAeRkameKal neya)ayEckcayeday
 esrl karEckcayeTaeRkAextkllanCaFmpai . eyageTAtamI Tpl enkarGegatenAküextpMh 13
 Edl)anel keLgxagel enH tlnclmH 3 Edl I atsnigel extpMh 4 -man12Rsk (RtU)aneRClS
 erls . enATenaH brimaNpl RSU -brimaNel lStMkar; cMhGklTij nigTlnhkarEckcayKllan
 RkbRkan;

taragTI 4-1³ tarageRbobeFdotMheKal edA énkaskSabitül TPaB 2002/03

tln;	tlnxagt,ij énextp bnlaymanly nigtlm; xageCij énextpatdMlg	tlnPaKxagt,ij énextp)atdMlg nigtlnPaKxag eCij énextpBaFisat;	tlnxageCijénextpBEvg
Rsk	mgA btl -bnlaymanCij; feKal -)atdMlg;)ail -)atdMlg;	enagbs(-)atdMlg ;)kan -eBaFisat; ;	keBac sFirkNpl Baraj kblaymar eBEvg kblgel a/ Banrk_
brimaNpl -etan;	192/962	144/432	283/866
brimaNRsUel lS tRmUkar -tan;	78/404	56/353	96/272
cMhmasbknRSU	63	21	26
TlnhkarEckcayRSU	FMas;	FM	FM
l kN ³ entln;	edM,ITV \TBI esdke ^o Béf . tlnGPvDAn pl itkm kskmpslMbaNCKmp	eragmasbRSU Edl manfvkaRkb; RkanGacs(RsU)an el lSBlmly Banetan manI TPaBdMnrkar GacvkmPaGacvkrmasbknRSU 20 eTA 30 PaKry)anEgMnk RokbGacvkmCa GklRomU RSU bbTeragmasbecal edaysaFt xMfvka.	pl itkmRSU KMDageKTaj Gs; TajRSUsSa nigRSU)aj enAtMheFISURbedj Tw. RSU/GgüenATenH manKINPaB TabCagRSUenA)atdMlg.

RbPB³mnbkskmpxtPakmGkskSarsaRca

TilajTpSarSlebkclhRtUtmanITPaBgadNrkarkMag)an . XedEdlmanRsabRtU
 C'5Cul nigeR(R)asenAkgeBI skSararCav . d'clll erkayBBnitüemll XedEdlmanRsabenAküj
 tMnsksBnitül TPaB eXlj fa GaKarXedEdl GacerR(as)anenAküjtMn;TajlbiKWajrbsRksüj
 BaNCkmpigRkmhRrhertdEdl sltenAslyGnb RskRBEvg extpRBEvg .

TññysMan²énRsknimy²küextpRBEvg Edl CatMnsksBnitül TPaBmyenAküjclNan
 tMnsksBnitül TPaBTajlbiKlanenAküjtarag 4-2 xagerkam .

tarag 4-2³ TññysMan²sBRsknimy² -qälM2002/03!

tMn;	Rsk	XM	Pbi	RoCaCn	cMNRK'5ar	brimaNpl Rsu -etan;
tMnPaKxag	keBöc	8	97	60/647	13/251	37/868
eCgeextp	éRBEvg	11	138	108/496	20/767	36/685
éRBEvg	kBlg;l av	8	42	45/573	9/021	43/791
	Bamrk_	8	41	41/125	9/026	29/568
	Barajl	11	83	122/873	24/046	45/453
	sFrkNpl	11	60	64/692	13/879	22/883
	kblaymar	8	129	77/432	17/056	41/353
	srb	65	65	590	520/838	107/046

RbPB³ RksüjkskmpigkmyEsl a

4>3 kareKagEpnkarGPiDAnTpSarSlebkclh

4>3>1 eKal bNlg éEpnkarGPiDAnTpSarSlebkclh

edayEpktamITpI énkarsksa eKal edAénEpnkarGPiDAnTpSarSlebkclh Klmandlxag
 eRkamenH³

- eKal edAénkarbegltTpSarSlebkclh Kwlh,begltbriyakasmlysmokareFICMj Rsu
 RokbedayPaBRtmRtU nigmansmFm .
- TpSarSlebkclh pl pl RbeyaCndI pl itkr -kskr; nigGikEckcayEdl clU rln Rbm
 TajlincMkdI karGPiDAnesd'clmU dan -CaBess]sSahkm]suGga!

4>3>2 tlineKal edA -Rsk; énEpnkarGPiD/AnAküextpMM13

EpktamI Tpl énkarskSa CakarRbesrbpdt KltURtE Bhitüemll EpnkarGPiD/AnTpSarRsU ebkcLh mYRskmbj² . enAkünyedn,Estyyl GBEpnkarTajmll RskEdI Gacbegll TpSarRsU ebkcLh -EdI manRsUsI BesckRtUkareI IsBl 10/000 etan ; KltanbBaikenAkütaragxagekkan . tamry³karbBaP Kä énRskTajjenH vangmanI TPABGacbegllTpSarRsUebkcLh)an . cMnkÉ PaBcaNacénTpSarRsUebkcLhenAtamRskEdI CabngRBEdnevotNam TmgCaGaRsyl karERbRvI énsanPaBBaNICkmenAtamRBEdn .

taq 4-3 ³ RskEdI RtUbegll TpSarRsUebkcLh

lr	extp	tlineKal edA sAbKMag sakI, g -slyGnp! 2qam	ry ³ eBl pl pl -4-5 qam brimaNpI RocabMch Cag50/000 etan brimaNel IstRmUka ³ eRch Cag 20/000 etan	dMakkal CneCar brimaNpI RocabM BI30/000 etan eTA 50/000 etan brimaNel IstRmUka ³ eRchCag10/000 etan	chMRsk
1	bnaymanCyl		mgA bdl	RBentRBH	2
2	)atdMg	fKal enagbsJ	berI		3
3	kBlgcan		)afay Gtlak	eCgeB	3
4	kBlgqatj			rI abv	1
5	kBlgsW				0
6	kBlgFM			)arayN_	1
7	kBlt			OK	1
8	kNpl				0
14	eBIEvg	-slyGnp! eBIEvg	kblaymar keBac Baratj kBlgI aI	kBlgREbk BanCr RBhesp	8
15	eBaFisat;		)akan		1
17	esmrab		RkLaj ; Bk	CERkg	3
20	slyerog			kBlgeratx	1
21	takv		Ggabdl)atI bdlI sar eBkb,as sMag RTajl	KhtgS	7
	srb	3	17	11	31

TkEngEdl manskpnBI sMabGPiD/AtpSarRsUebkclh RtU)ancatecj CatlndEdl man
 brimNpI RocadlBI sBI 50Banetan nigbrimanel IstRmUkarmaneRchCag 20 Banetan nigtdln;
 Edl manbrimaNpI BI 30Banetan dl 50Banetan nigbrimaNel IstRmUkar maneRchCag10Ban;
 etan . enAkjEpnkarskmPaB énkarSKSaSaRCav TkEngtldneKal edAsMabegltTpSarRsU
 ebkclhngRtU)aneRCIsersedaybBaP CamYngRskxdl .

4>3>3 tRmUkarSMabdlNfkarTpSarRsUebkclh
 -1; mxgarEdl tRmU[man énTpSarRsUebkclh

tankarBhituemll eLgvij nUPaBcaYacénmxgarnimY²Edl RtU)aneRCIsyk nigkarRottbtp
 rbsya FnFancaYacRtU)aneKageLg . mxgarnimY² -Edl CaesvamanskpnBI rbs;TpSarRsU
 ebkclh ; RtU)anBhituemll eLgvij dtmanenAkjtaragxageRkamenH .

tarag 4-4 ³ mxgarEdl eKagsMab;TpSarRsUebkclh

mxgar	PaBcaYacnigvFénkarRottbtp
<p>karpl ;TkEng -eFV CaTpSare)adl</p>	<p>mxgarCamU dan énTpSarRsUebkclh K(omxgarTpSare)adlMabCY/GkI kFana[)annUkar vaytRt mRtUel brimaNBGkTij eTAGkI k; nigCY/GkTij eGayTTV)anTmj man KINPaBesKáBGkI k; . mxgarenH dlnRkareTA)anedaycINU BkMteCysar edaymanthaTl eFVaGnpkarvagGkI k; nigGkTij nigrhncMnkeFV[CMJ dtRsumanPaBRtmRtU nigman smFm . kNlthetSBGkI k; GkTij nigtmTij dlnAkjGaCvkmRstlenH kMansar³ sManpgEdr edm,EstjyI Gmll kgVdP[CakEstj énkareckcayRsUGgá .</p>
<p>esvafng</p>	<p>kgllkatPaBGaceCOCak)an nigkarvaytRt KINPaBedaymanGNHGMlagRtmRtU eFVGay redbofngedrfyerkay . karerobcl[mankarfg)anRtmRtU KManSar³sManNas; .</p>
<p>catcMlatfakKIN PaB</p>	<p>ebmanEttM EkPaB EtminmankarkNlTKINPaBepSg²KæTenH karEkI MKNPaBkMnGac ekltmanelg)anEdr . karcatcMlatfakKINPaBenH Kllm,pl ;[GkI k;nigGkTij nUsgda kMlttM Rt mRtUeTAtanKINPaEdl)anRtYBnitueTael RsU nig)ancatcMlatfakTAtan karEbgEckcMlatfak; . I kN³sm,tpanaddCa kMtsMNM/GRTæbHRSaMGRtal ayCa mYngRsUGnKINPaBCaedm RtU)ankNlt: MlabfakTAtansgda .</p>
<p>esvae)akEbn</p>	<p>karhal RsUenAtanval ERsRtU)anBaBbedm,bgárkarI t . kare)akEbnRsUTajlenAesm naGayvtPpSg²I ayLWamYRsUkanEtecheLg . ehlykarhal stMRSU minRtU)aneK eFVly edaysaEtkarkMlttM efrenAkjkaCj dt . karbgárkMGayRsUmanI ayLM vtPpSg² nigkarEkI MKNPaBRsU K(akarSManca)ac; .</p>

<u>esvadikCBat</u>	edaysarplifil minl ¥ plisMen?enAqfy ehlyGaCivkrmasbkinRSU nigkskrminman meFuia)aydlkCBatlsmsrb dleHca)acRtUmanesvadikCBatlenH . kijnanCaGnpkarhvagGik I k;nigGikTij -minBakBvSdaypal enAkugicRaCMj ; esvakmpu BakBvSgkarplk kardik CBat nigkardakclRSU CamlynigkarcatbBatrfynpss;TpSarRseTAtansNNrbsGaCivkr masbRSUnigkskr .
<u>esvahal slyt</u>	esvaenH Gaceda(Rsay)annubBa)at;TijnRSUedaysarhal slytEk BBaBkskrminGac RkbRkgkhtsNNm)anRtmRtU krNobloj edaystV EEdI bNpl mkBkhtsNNmxs; nig karminBmTij nigkarbnbt tll minsmehtpl edayPaKGikTij edaysMagel mu ehtman sNNmxs; .
<u>esvasMat</u>	esvaenH RtU)andebR)asPa)Camlynigesvae)akEbn nigebR)asstbRSUedI mankhtsNNm Tab . vaGacEkI KINPaBRsU)anRbestelg edayykecj nukllcepSg ² EdI Rsal dtCa Rsteset nigcblyCaedln .
<u>kargarskTk -mugaTTV beBa</u>	kargarskTkKvayCaepkmY enmugarnana dtCapl ; TkEngstbbskRSUedI dakbBaA kigKMag\NTanmandakRSUba)msRSUKvGikI kEdI xN ³ enHKvakskr;/ TkEngsk RSUrbsGikI kEdI rgcaill tll I kelgys/ TkEngskRSUbeNpGasnibsGaCivkr masbkinRSUedI)anTij RstenaHTrhldI eBI I kecj vij / nigpl ;TkEngRtmRtUsMbdak; vtBa)ngmugarbEnhepSgeTot .
<u>mugapll hiBaftB</u>	kskrxEdI TTV rgnukarxell mankar)akxs; minmansI Gsb)bcBa)Ksarrbsket BBaBkkek)anxell manclmespybrinaNRsUedI ekRlyfaeFyansb)l k; tajBmneBI dalt ehlyRtUlogkar)akechCag30° . esvaenHCyFanancNUU rbskskr)andech tan EdI GaceFTA)an edayebR)as;tll RSUedI xskatanrdUedln, ll bb)atsanPaEdI kig enHkskrCaechRtUl kRSUrbsekkigtll Tabp)teRkayBRellkatr)Pam .
<u>TUatfvka</u>	TUatef d kdtRSU nigtu uPaBKMagpl ;\NTanedaymandakRSUba)M . kaTUatRtUeteFV yagNa[CMj dlmantmaPB .
<u>EckcayRKabBO</u>	RkabBORsUrbskskr KllanI ayL)bePTBOepSg ² . esvaenH KlylytbngbBaenH eday eFkarENnaV(ebR)asRKabBORTmRtU rebobTTV)anRKabBO)tll nigpl Btman . k)anp mineFkarI kdtRKabBOTajnenAtanTpSarCakEsgeT .
<u>EckcayCl</u>	esvaenHminRtU)anel kykmbicarNaely enAkugeBI erobc)F)onkarGPvD)h_ .
<u>ppl Btmanspl TpSar</u>	tll Cy dt)ocaf)handaktajlogej eTatanKINPaBenAral eBI eFkarI kdt . tll TajnenH Gactll eyagsM)okarTij dtel kelkay . esvaenH RtU)anEksM)echdgtanEdI GaceFTA)an edm,I[RsbeTAtanneFuia)ayThak;T)ng)bsG)kebR)as; edayefkardaktajlogej nu k)tr)ag)tll enABm)psar kaThak;T)ngtanT)ds)ed nigv)u)ak;Tg nigkardaktajlogej enA sal)sk nigsal axM

ENnaMkargar nig karEkI KINPaB ekayEBl Rcllkat;	CabEnfheI karpl BtmansBRKabBOEdI)anerobraxagel I karENnaM nigbgätbgäj GBl BtmanbeckeTssBkargarekayEBl Rcllkat; karRbRkgTik kareBfäBIMabstV E nig kareB(R)asCl-GnsasnsBCEdI smRsb; nigRtUppl eGaykskr .
I k)arRSU	enAEBl QJLkNpl nigGaClvkrmasbiknRSUTij RSUBkskr Bkek [kskrx]PaRSU -eTAbI PaKechén)avTajlenAK(Öa)avEdI eBrtchlykpl . mann½fækminman KitR)akc(Ba)avET . k(EnGEdI BitCakBlyekiteLg KIM Tij RSURU)anbBaP nigmankareKbnPikCBaj . enA Tbpl GkI kmanbMigbgéf)arRSU . esvanHeFUGaytM)arSumanPaBc,as;I as;ehly eFUGayGkeBbgéf)avedaymanPaBeCCak; .
TMk;TngsaFarN ³ nigskmPaBGaClvkm	skmPaBkargarrbsbKl kTpSarRSUebkclhEnAküEdndfbsek nigtmEdenACMj KIMansar ³ sManca)acbpilt dI karbeghGRtæB(R)as;nigsm kareB(R)as;TpSarRbkbedayRbsitPaB .

-2 ; karbBaakGBlTpSarRSUebkclh
karbBaakGBlTpSarRSUebkclh KIMandteteTA³

r karkIMt;I kPILh
brimaNRotbtkarBocallM 10>000 etan
ry³eLgdI cllckBU énRSUedI natU mkkar;TpSar³ BI90 éfQI ; 120 éfQeFBrrdU;
brimaNRSUcll Gtbrma³ 200 etankümyéfQ
I TPaBhal RSU³ RbEhI 40 etankümyéfQ

r cIMNcCak;I akCamU dan)
cIMNIXedj³ 5>000etan -RSU;
épkhl küXedj³ RbEhI 5>000m² -5>000etan¼>5etan¼m²¼6° énRbsitPaB ;
Til anhal stjLkEngpkrSU -rhTajCYpilsMbedt;³ 2>500m² -kms0/03m x 2>500m² x 0/6
én Specific gravity .
kariyal ½½nbeFVtsp³ mlyTlM50m²
eRKGbrker³ CBaj fng meFüa)aydkCBal]bkrN_SMat]bkrN_SMbeFVtsp I .

r éfösvakmpu

eday sartM esva RtU)anrabbBaP küesahnyEckcay deçitM enHRTUrksæGayTabtam
EdI GaceFITA)an edaykarbeghRbsitPaBkargarrbs;TpSarRSUebkclh .

3) KN³RKbRKg

eyagtamKN³RKbRKgKlmanekchEbggyag rihmanCa I kN³bKl Ca shkrN_kskm_yCaGaCaFrmU dan GaClkrmaslkhRsu nigFnaKarrbsrdæ. eTalbCaTisedAdlt KäenHGacykkmGnutpnAkm&a edaysMagenAel eh t p l énkarman smt PaBRKbRKan; énsBb_z rbsrdæ l mankarTTV xisRtU bBa_lic,ab;TpsarEdl mankarGPiDAn_nigkarRoktRoECgmanyutFm k&inCkhanTajLayminTanRtU)anRokanykenAeLy rhUt d l mankarbegltKN³RKbRKgpegSg² .

I kN³sm, tpa)acrbsKN³RKbRKg KntUmankarTkcitpGkeRb)as,faCaGgkarCmNj mly Edl enACaGBiarkituvagGkI k; nigGkTij edm,Fana)annUninPaBénmxCmNj mantMaPaB nig karebCa_lcitp,as; askg_mCmNj -karkatbnfyesahyRtbttkar nigkarxixNbgERogdÉTeTot ; edaymineFKaCaGkEstyrkpl cMnj h'sehtabk .

eTalbCaPaBeCCakeI GgkarminEmnrda)al breTs CaTBTAmankMtxsenAküRbeTskm&a kp EtKtragEdl minmanekal edAEstyrkpl cMnj rihTajskmPaBrbsGgkarminEmnrda)al kúg Rskpg RtU)ancat,TkFamankarB)ak . TsSnaTansGgkarminEstyrkpl cMnj enAminTan; cakbSenAeLyeT . TpsarRsebkclh RtU)aneKcat;Tkfa Caehdarcnasm&saFarN³küRsk mly . edayeh tifa karRKbRKgTpsarsaFarN³RtU)aneKRbKI eTaeGayEpkÉkCn rda)al kúg namCasbRbRKg mansmtPaBRKbRKg nigRtbttkgkMltabBakBh&ngTidPaEpkhiBa&Tú nig xltTkcitpIsaFarN³Cn . bKl krbss&hrdarhTaj sarClkmpbsrdægEdr minGaceKarBtam eBl emageFikareLy edaysarBkeKcabrvl kargarEstyrkcMNU deTeTot . sIteRkamkal ³eTs³ EbbenH EpkIsaFarN³ b&gkareKArda)al KwaCmIsEtmlyKtsMbeFcaKN³RKbRKgKtrag TpsarRsebkclh .

edaysarxHFnFanmnisSenAkürdar)al nigshPaBhiBa&Tthankart,itet,ót TpsarsaFar N³enAküRskCaerch -TpsarI kray ; k&gEtsMbeTAtamvFis BKMitpüepphiBa&TÉkCn (PFI Method) . Gldl eFtGayRbBh&ngHGacdmNrkareTA)anKW RbBh&ngRKbRKgTpsarsaFarN³Ca ercheEdl k&gdMnrkarenATTajRbeTsesP&tdtK&Etmly . edayeh tu manmnisSCaerchGacTTV)annlcbNHEpkRtbttkar BkeKPaerchmanclNabGarmNleI vFRtbttkarenH . drabNaynp karrkSa)annlpl RbeYaCn_saFarN³RtU)anFanaenH vaGacCaCmIs mly .

-4! fvkasMabkarRotbtakar

karérGgásR)akKWabBaFQageK BerBaleKminGacrBlyfangTTV)annUChyhiBaftBrdæ
P)al kmæLly . ebeTalbCaesahnyRotbtRUFanaedayefQÜ esvakpEtkaEstyrkGkvneyaK
eTAtansAnPaBkÿRsk besyrkfvkasaFarN³EdI mankarR)ak:Tab KWabkarca)ac; BerBaHk
R)akEdI RtUkarSAbKMagppl \N TanedaymandakRsUoBa@KManchMerchsem,m . edayELk
Rkmebskkmpin)anTTV sÁI ;TajRsgnUesckptUkarfvkasMab;Tij RsUeT BerBaHenAeBI erdocM
eRBogEpnkarGPiDAn_KMankarsntfia GkI k; nigGkTij nigeFkarTij dtenAÉTpSarenH ehlykar
TUatR)akngRtU)aneFInAeBI enaHtmg EdI CaynkarRotbtakarbs;TpSarRsUebkcLh .

edm,IsMceKal edA RtUeFkarvnicizel PaBsmRsbénmgar vFisaRsRotbtakar nigpl bh
Bal dI RobBkckcayEdI manRsab; . edayELk enAeBI EdI karskSaenHcabepmeLgkÿqam
2004 KMinmanEpnkar,as;I assMabkarEckcayRsUggaet ehlybBaBakBkÿng \riyabfeV
GaClkmÿbsGkI k; nigGkTij enAkÿTpSarRsUebkcLh KWBgstienAkÿdINakkal RsarCavenA
eLly ehlyBkekRkanEtstienAkÿBRgagbaNÄH .

4>4 PaBca)ac; énkarnutKMag sakI ,g

4>4>1 PaBca)acénKMag sakI ,g

vamankarB)akenAkÿkareFllGayGtifCnrbs;TpSarRsUebkcLhyI GBRBkÿs
nigekal neya)ayrbs;TpSarenH ebeTalbCaRkmGkskSaRsarCar)andknaBFlskeasal aCaerch
edm,Bnül Bkek GBTsSnaTanrbs;TpSarRsUebkcLhEdI CaTpSare)adHkÿp
enHeday sarEtvaCaekal Kmit flpÿstMab; RoCaCnkmæa . deçLÿ vFbBbesrbpdt
edm,I[GkRskmankaryI dk KWk [BkekR)as;TpSar enHedaypal ;tamry³KMag sakI ,g .

eKal edA nigekal neya)ayGaClkmÿbs;TpSarRsUebkcLh KWaNCKmpBtmRtUmÿ . va
nyRtUkareBI evI a edm,EktMmæbeFbaClkmenAkÿsgAnTajmU . CakarsMan; KntUbegiteLg
nUvFisaRsMabRobBkRotbtakarMÿ ehlybgaj vadI GkeR)as; nigbKÁ krbs;TpSarRsUebk
cLh tamry³kareR)as;RotbtakarTpSarRsUenAkÿkllgeBI dNrkarKMag sakI ,g .

ebeTalbCa vaCakarerdobdeNpHGasnänKMagbegitTpSarRsUebkcLhkp EtminmanPaBCak;
I ak; nigvFankarRk)kanstabeFkarsMÿcykCasBReLly . tamry³KMag sakI ,g bBaenHng

RtU)anEktM CaBessKwa etmanGkeRbR)as;TpSarRsUebkcLh bgéfösvakmfür beT ebhndbcäl eT vaR)akdCaB)akngEfgCamixan .

enAkjGMLgeBI dNrkKtragsakI ,g KN³¹PakgarRbtbtTpSarRsUebkcLhRtU)anbegit eLgenAerKamKMit1/2TsarsIn {karRkbRKgedayrdæ→ GaClvkmqLhvagrdaenigRbCaCnsLil → GgkarÉkCn { . bEnfel enH KN³¹PakgarRbtbtTpSarRsUebkcLhRtU)anfvkasMbRkbRKgTpSarRsUebkcLh -shbdNrk nigeRtmTk ; . eTahCayagNakéday minmanGkNamancitpU rneLg rht Tal EtI TPaBTTV)anR)akcNj manPaBc,as;I asCammsIn . enAkjkal ³eTs³enH Kymankar Bhitieptgpatemll I TPaBGacTTV)annUpI cNj .

KtragsakI ,g KwacNucabepménkarbegitTpSarRsUebkcLhenAkjkarSkSaenH .

4>2 karGnutKtragsakI ,g

edm,bFikareptgpatBRgagEpnkar nigel keLgGMPaBc,as;I asénmugarAbBhkarRkbRKg énTpSarRsUebkcLh caVackLUsstc()annuKtragsakI ,g . flbKtragsakI ,gmanEpnkar stc()anerChCag 2 kEngenAkjtmnsksaBhitül TPaB kbnÇakEsj KllanEtTpSarRsUebkcLhenAslyGnb extpBEvgmybNÉEdI stc)anBExFúqá2004 dI Exmina qá2006 ehlyng KtragsdkCBárvnKárbSRkmkskrenARsikkeBac EdI stc)anBExFú qá2005 dI Exkmö qáM 2006 .

5>1 karBBNnædaysegþGKMag sakl ,g

5>1 karBBNnædaysegþGKMag sakl ,g

5>1>1 karBBNnædaysegþGKMag sakl MenAslyGnb

TpSarSLebkclh GacklNtfaCaeh darcnasmkSaFarN³mly dtCaTpSarsaFarN³ -TpSarlk; ray ; Edl eKeXlj manenATUajRoets . enAkmCa dtEdl ek)aneXlj CakEsgehlyfa Ggkar EkCnenAkjRskRtU)anGnBattl[RotbtjkarTpSarsaFarN³PaKech . enAkjSanPaBbcD,niraCrdæ P)al xHClmaj Rotbtjkar nigFnFanhiBaftcaYacSMeFcaKN³PaKgarRotbtjkar . el lSBenH eTot saFarN³CnkAmankarminTkcitpBaRotbtjkarbsrdaP)al pgedr . eTahCayagNakp mankar bgøj eGayeXlj fa edaysarminman]TahrN_CakEsghsBTPSarSLebkclh enAkjRoets kmCa dtcl ekMinGacklhtKN³PaKgarRotbtjkarbs;TpSarSLebkclh kjrebdotKangTpSar saFarN³nana)aneLy .

TpSarRtU)andakeGaydNrkarekayBkarCSUl EkI XEdl manRsabrtehy² karrkTij sMar³ nigbrkerEdl caYac;)ancabepnenAkjExkBaft qm004 nig)anbBaBenAefll 14 ExFUnaqill dEdl . kareRCiserlsKN³PaKgarRotbtjkar karEsyrkFnFanfvkacaYac; kareRCiserls nigbNpl bNpl bKl k karerdocMlgkarRotbtjkar kartakftgxmsarenmxgar nigesvaRtU)anklNteFtGay cbSBKbenARTmeBl ebkTpSarenH . klhnp edaysareBl enah KsttenAcMakkNpl rdURcttkat; dtcl ekMinmanCmls NaepSgeTot eRkAbcabepndNrkarKMagedayBMankareRtomerdoc)ManRtmRtU eLy . edayeh tifa kareRCiserlsKN³PaKgarRotbtjkar nigFnFanhiBaftUmankarTak;Tgka dtcl bBaTajBrenH mansar³sMankanftxajLg nigkanftB)aksabkarbegltTpSarSLebkclh .

BakBhsgbBaKN³PaKgarRotbtjkar KlitSpkareGayGgkarminEmnrdaP)al GgkarminEsgh pI klteFcaKN³PaKgarRotbtjkar RtU)anel kykmkeFkarPPakSatajBqam 2 enKMag . xN³Edl RksghBanckmTlN ykklitenH EtRksghskmpkqomaj ; nigensaT TtbcgeGayRotbtjkarTpSar enHsttenAekankarRkbRkgrbsxh . RksghTajBminGacsMtc)annleKal neya)ayrilmly . bntabBl karbraClyenH karbitTpSarSLebkclh)ankeyCarebdovar³mly . eTahCayagenHkpRksghBanckm

k) ane Fikar Rokas Capikar Faxä nig TTV kankab Kntagen HRTmmnd Nacqä 3 ehly Rotbtjkar Tp Sar enH RtU) an Rok I eTA [{Ggkarek ArdaP) al Tp Sar Rs Uebkc Mshy Gnb { Ed I beglite Lg flp

5>1>2 kabriyay Rt S² sßkar bml nigdk CBäi Rs Urnkä Cash Km eday Rkm skren Rskke Bæ extp eB Evg

Ca Cm smlye Tot Kntagxätt t mly Bak Bßng kar beglit Ro Bßng bml nigdk CBäi Rs Urnkä Cash Km eday Rkm skren Rskke Bæ extp BEvg RtU) andak Gnut kje Kal b Nge Fikare ptpät bTBesaFn_ nig emer on Ed I)aner on s lttamry³ Rotbtjkar Tp Sar Rs Uebkc Mshy Gnb .

5>2 Rotbtjkar Tp Sar Rs Uebkc Mshy Gnb

5>2>1 eKal b Ngen Tp Sar Rs Uebkc Mshy Gnb

- 1; Ek I MbEnthe Tot nlxms arén Epnkar GPiD/An Tp Sar Rs Uebkc Mshy Ed I)ank Mtrcmkehly nig beglit EpnkarenH tamry³ d N N R Sar RCaveptpät; kgrb PaBCa Kntagsak I ,g .
- 2; Fanae Gayman c N He FV Bak Bßng kartak Etg Epnkar GPiD/An Tp Sar Rs Uebkc Mshy nigral ; esckfl Mitep Sg² enkar Rotbtjkar rbs; Tp Sar Rs Uebkc Mshy Ed I Rt Uephe Tæ Gay sm Pa Kl nig bkl kén Tp Sar Rs Uebkc Mshy erog² xä tamry³ d N N karkar Sar RCaveptpät; kgrb PaBCa Kntagsak I ,g .

5>2>2 skm PaBén Tp Sar Rs Uebkc Mshy Gnb

tarag xage k k amen Högäj nUs km PaB s Man² en Kntagsak I ,g .

tarag 5-1 ³ skm PaBén Kntagsak I ,g

mægar	skm PaB	karerdc Wakar 1/örkgr calncnana
pp; Tk Eng s Mbæ Fkar I kdt -mægarén Tp Sar e) ad M N pl ;	mægarénH Kntm, beglite LgnU Tng Cy dds m Rs bmy nig pp; Tk Eng sß Tk rhüd I kare F Nj RtU) an Bæ, -eday min Kitéf QÜ ; . knt e Cgsa RtU) ank N t Ro Eh I 1° ént M RsU Ed I Cæf QÜ mü dæ mly en Ae I eke R) as; Tp Sar RsU .	bgA; mashabbik kfr Rokast M tu ek AGI kntU 1/2

esvafrj	edlm, beglj [mankarfrj) anRtm TpSarSvobR) asCBaj Edl manPaB RtmRtUkj klt xs; tansgdafAt ankareslsM	CBajfrj 500 KRk ³ PaBRtmRtU 1/200/ klCBaj
RtYBnitukarcatfak; KINPaB	mugarenH Kllm, plj sgdaklt, tM esPaB -Cakarsakl, g; slm; Gklk; nigGkTij tanry ³ karBnituepbgpatKINPaBRsU nigplj; cMlatfakEAtankarcatcMlatfakKINPaB . cMlonanzenrb sm, tp rbsRsU nigRtU) aneFltskjry ³ EBI xb . bnbnmkeTbklt, cMlat; fakrbsya .	RoddoRtYBnit ³ Jb krNvaskltsMNm ensMakRsU . karRtYBnit ³ .
esvae)akEbn	esvaenH Kllm, bFL (slm) annukareFCMj mantM xs; edaybgar klL I ayL DanyvtEpSg ² nigEkI Q [RbestelgnKINPaBRsU .	mashe)akEbn rfynstMbdk
esvadkCBaj	esvaenHKllm, kjsMhPaCakEsg Edl QJLkNjal nig GaCvkmasb khrslplj kardkCBajdl kskr ehlyTij RsUBBkeKenABl Camly KaEtmj .	kEngct rfynfjon
esvahal sglj	esvaenH Kllm, ll bb)atkar) atbg; lgn; edaysarkahal slmBk BBBakskminGacRkBRKgsMNm) anRtmRtU karblaj edaystV I EEdl ekiteLgedaysarSUmanklt sMNmxs; karminTTY Tij nig karbnbtM minsmhtpl edaysarmanklt sMNmxs; .	Tll anhal sglj . I .
esvasQat	esvaenH Kllm, EkI QKINPaBrbsRsUedayykecj nwtlsal ² ddCaRsUesat nigcMbgBkjRsUedl mankltsMNmTab .	t, al bk; masbsQat = Fgeyag
esvasfTk	esvasfTk GacCapikmYenmugaplj TkengslmsfRsUedl dak; ekbBaj nigRsrbsGklk; Edl slrgcathtldl tM I kelgxs; nigplj TkengslmsfRsUrbGkTij beNpGasn rhldl EBI kh nigI kecj . efQll esva RtU) ankliteTatambmaNRsU nigry ³ EBI slfTk .	Xajl
karTUatR)ak;	karTUatenH Kllm, epbgpatGMPaBRtmRtUenkarCy db -bganed r)aykarN_nigEksardeTeTot ;	
KMagplj \Ntan edaymandakRsUoBaj	KMagenH Kllm, FanaclNU rbskskreGay) anechbblt amEdl Gac eFTA) an edayebR) as, tM xsKatamrdU . enHKakaplj kmEdl manTmkcit, esedayminmandakrbsbBaj ehlyGrtakarRocalkTab Cag 3° . KMagenhg cabBexkBa qd006 CamlyngGrtakar)ak; ticCag 2° edayebR) asfvkabdPaK KR2 .	
EckcayRkabBO	mugarenHENnalmigplj BtmanspBU smksb nigvFedm, fk) an/tM	
esvaplj BtmanTpSar	pa)krdFMYEdl daktajbgaj tM nigRtU) andakenABmwpSar ehly kngmankaplj Btmanenhtanry ³ Tls BngGaykthpgedr . esvaenhgmanplj dl Gkl ebbedayminKit ef a.	Gaykth

becR/CaRkayB I Rcl kat;	nypp; [kskmUbecRetssBkargarekayB I Rcl Tik karebR)as;fAbMabstV E nigCl-GnsasnsBkarebR)asCism Rsb; .	
)aRsl	mugarp) aRslenH Kllm, Bhitüepgpat, mill etGkTij cyeRkay GacrdborgcMlayéf) aRslEdrbæT .	
Tnak; HgsaF aN ³ nigskmPaB GaCvkmp	mugarenH KllmabkmpPaB GaCvkmp, Edm, EkI M [RoesteLgnUGRta eR)as; TpSarRsluebkcM nig sM dI karebR)as; TpSarRslenH [manRbsilPaB.	kllm/2

taragbnbbgäj GlltM sMbesvanimY²EdI TpSarRsluebkcM)ankN tenAkögGllgjeB I
GnutkMagsakI ,g . vaCaskmpaBmy sMbeFkarekERotM eTAtamsanPaBTpSar .

taq 5-2 ³ éfQ s mbesvanimly²énTpSarsUshtyGnb

briyay	éfQ -qāMlénKkagsakl ,g→ qāMl 2 RtU)anEksM ;	sMat ;
éfQ ml dā	5erol ¼KRk	éfQ fng RtYBnitüKNPß plā erbnk dkrCBād nhtajkātUatR)ak; GkēbR)as;TpSār -GkI k; KūGkbgēfēbR)as;TpSār .
)arSū	5erol ¼KRk → 8erol ¼KRk	tMl mankarEksM enqāMl 2 elAtancM)ar . Tij Rstūcgekkay Kūa Gkēc j éf)ar .
e)akEbn	13erol ¼KRk b#¼35entM → 15erol ¼KRkb#¼32	enKūasva EdI CalNak; nigel kdūgCanlykskr edaymantM efak . eyagtM e)akRstūfBaNCkmpedm,rbocéfQ s mbqāMl2
dkrCBād	(0/215 Km-erol x 1 -Km + 2erol) /KRk → (0/392 Km-erol x 1 -Km + 2 ~ 4erol ¼KRk)	éfQ Nayel ffynp ngefQ Gkēokbr/pkRtU)anKNnadacedayELkBI Kā . eyagtankarekheLg entM ebomasū -140°; RostPß dkrCBādRtU)annigBnitüEksM eLgvij u-77°; . éfQ enH sgtēstL ngefQ rbsGkRbmū RstūEdI enCūj TpSarsUshtyGnb .
hal sūjt	6 erol ¼KRk	éfQ esvahal sūjtenAshtyGnšmnc,as;I asel KūykelAtanéfQ enAextPßFisat;ng)atdūg EdI yk 4/5 ~ 5erol ¼KRk + éfRtYBnitü KNPßekayēBI hal sūjt .
sMat	6 erol ¼KRk	enAēBI enahinmanGisMagel dēh ka)anspūy ³ ēBI dMNFka 8mag smbēfēb)g + cM Nayel kmkū3 eTA 4 nak; + éfRtYBnitüKNPß/fng = éfēdm . rkSatM dēdI rhūdI tRmka mankarēkheLg .
sKt kbeNpH Gasnū	1/2erol ¼KRk → 1/5erol ¼KRk	éfesvanH KūanRsdēnAtanXajEkCndI ykQū 1/4erol ¼KRk ~ 1/8erol ¼KRk . RtRtYBnitüenil tM enAel TpSārCācalM
BtmanTpSār	\tkitēfō	plā kRokasBtmanGūM enAel CBādXaj edm,bgāj GūM cg ēkaybplā eTAtankMKNPß nigRōePTBū Cārogral éf) .
BtmansPbeckVcā ēkayēBI Rcll kat;	\tkitēfō	plā katNnadūbeckVcā/BtmansPkagarekayēBI Rcllkat; katbnly ka)atbg;ngkaBarkaI ayLBOkā . I .
EckcayCl	tantM TpSār	TpSarsUshtyGnb cabepnesvanhtajBextū aqāM005 . éfēdmCl + éfō dkrCBādBRBMn + éfQ NayelApōkarenAosRtYBnitüBMn + éfQ ml dārb)S;TpSarsUshtyGnb = tM I k;EdI RtU)anibel kRokastM sMb;[GkTij enil .
Kūagppl \Ntan mandakRstūBādM	2°XesMbtM RstūBak; kNpā .	rb)sdakFānēnsbōzānkhrBād)handI pH stBāN ³ FM EdI Gkpl ; R)akGacrSātkmYry ³ . tankaspmil kar)ak; :rbsGkRbmū Rstū nigGāClkrmasbikRstū minGac)BI 4 eTA 7°Xet dēh TpSarsUshtyGnb cll sMcykBakkNpā énkar)ak;TājendI .

5>2>3 I TöI enTpSarSuebkcMshyGnp

-1; brisänGaClvkmµ

TpSarSuebkcMshyGnp KibitenAcgTRoCMinshyGnpPaKxagt,ij manclay 14Km BIFH extpBEvgenAtampüCatel x 11 . enACMij TpSarSuebkcMshyGnp maneragmasinRSURbEhI Ca 30erag . tlineKal edArbs;TpSarSuebkcMshyGnp KWatsnigkjgkatgij20KmCMij EdI RKbdNpRskCa eKal edAchh 7 Rsk . kbänpdaysarsänPaBpüfil minI ¥ yanyntUebkbrtampüvag EdI eFV [cmäyefMNNrÉkTis (one way) manclayCanFüm 35Km . RskTabjenahKWatInpI itRSU EdI GacpI it)anRSUel IstRmükarechCag 100 BanetankömyqäPteTogTat; . TihhLüRSU EdI eFkar I kdltmij KmanclhBI 500 eTA 1000KRkyagtic . RKSarkskmanclh 110 BanRKSar ehly eKal edARömlü RSUSI BitRmükar KW50°kjgkatgij20Km . RSU EdI pl itenAtInenahKWaRSuman mak¼QaLU EdI minSUmankarniyim (low-brand potential) dëchil sngEtRtUl keTARbetsevt Nam TabGs; .

brimaNpI RSURbcahKlWankarekheLgBrdg enAqäl2004-05 -CaqälMienKMag sakI ,g ; nig 2005-06 -qälMienKMag sakI ,g; . enAqäl2004-05 maneRKAhrabSü EdI eFV [brimaNpI RSUenA tlineandgpüCatel x 11 manclitTab . enAqäl2005-06 KManePögRkbRkanEdI eFV [karbgbegh pI RSUTTV)anRSUSI BitRmükarmancMh100BanetanenAküjGMLgeBI rdWssaböNÄH . BmYqäbTA myqäbbrisanefGaClvkmµKManPaBxis²Kä . enAküjrdWsbegh pI qäl2005-2006 enH RbetSkmea Tabmü pl it)anRSUSI BitRmükarmancMhyagech . RoCaCnenAtIn;TRkgPibj nigextkNpI manI TPABTij Ggä)atdlhgshbhböck EdI eFV [mäsragmasinRSUenAsHyGnpmanarkatbnfykar pI itGgarbsxü . enHedaysarEtmak (Brand) GgäextpBEvg GnCagmakGgäext)atdlhg . GaClvkrmasinRSUenAextpBEvg RtUbpümbreTACaGikRömlü RSU nig¼)atbgeBI evI aefGaClvkmµ müagvij eTot chhGikRömlü RSUmankarekheLgenATUatRbetSkmeaEtküry³eBI myqäl ehlykar RbkE RbECghYskit RtU)aneKemil eXij enAtantInmychh .

-2 ;KN³RkbRkg

vaCarokarsManEdI TpSarSuebkcMshyGnp RtUFana()annüGaBiarKitPaBenAküjRotbtkarCMij RSU nigertmfvkašhokarRkbRkghiBaötöbsxü . manPaKVGgkar¼KÄ kEdI manEteQaHkRbRbepTmk BkagEpikÉkCn nigrdæ . kbänpikTabjenahminsmRSbshokRkbRkgTpSarSuebkcMshyGnp . dëchil

bKÁ cMh 3 rómk Bhnt BaNCkm kskmext kkm Gk s k SaR saR CaRtU) anRoKI Par³ kic Q eFDaKN^{3/4}
PákgarRóbtbt kArTpSarRsUebkcMh ngbnRk bRkgTpSarenH . eyagtamI TóI énkáGegámU dan
Gk eRbR) as;TpSarenHCaerChmanbMNgcg;[KN³Rk bRkgTpSarenHCaGgkárÉkCn CaBessKWaGgkár
ekArdaP)al . naeBI bctó,nñ minmanGk NamánCMhOel karBakBk bSrdetAngTpSarenHeLly .
GgkarekArdaP)al KWanimitpb éngBiaRkit PaBenAkmea .

3; brimaNcatEcg

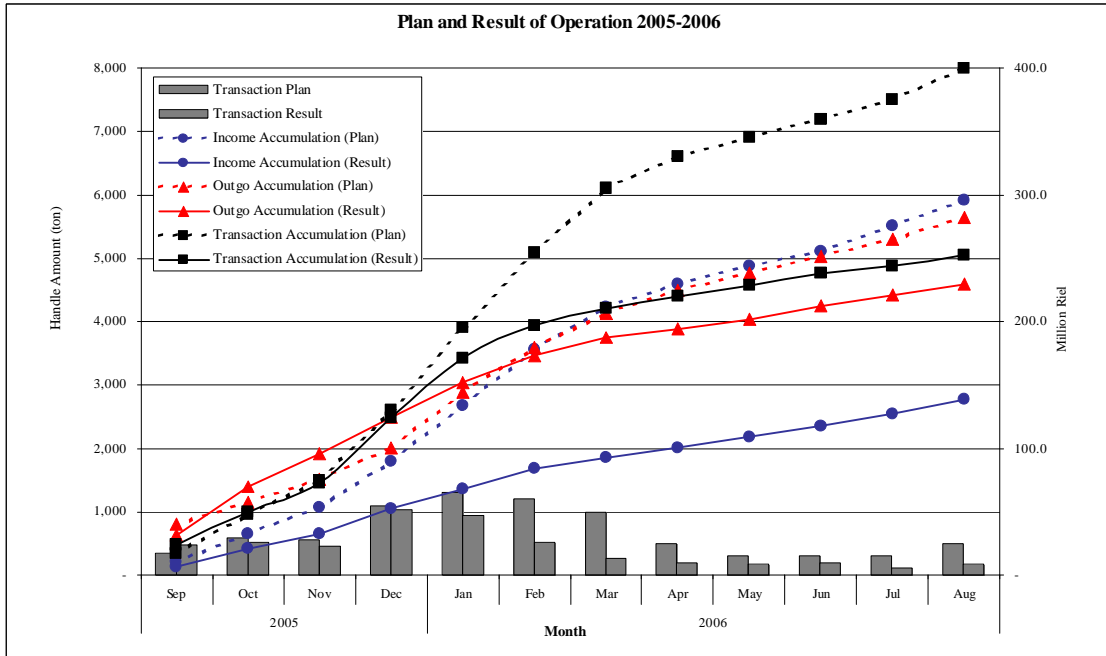
tVei xxagek kambgāj nUkarERbRbV -KitRtméfTil 30 Exmifua qāM2006; énbrimaNcatEcg
-brimaNI k; [karI kEdI RtU)anKit Qū CamU dan] ÷ brimaNenAkūbBaSareBPTsID; ngcMNU
cM NayqāMnyénKMag sakI ,g -qāM aCvk mTpSarRsUebkcMh 2005-2006; .

fIbRostipARóbtbt karmankarekheLg EtvaminTmgCaGacsM(c)annlUtu iPaBhiBaftCa
vCinan mlyeLly . CamyKāenHpgEdr brimaNcatEcg KWanRtmRbEhI BfPaKbñEpnkar . el k
BenHeTaeTot GaCvkrmashkínRsU)ancU mkmant haTCaGkRbmU RsU EdI naM cMhGkRbmU RsU
manerchh'is . vaCaRbkarminGacRbEkk)anEdI fa KMagenH KWankarfyeRkaymlyCManBkar
GPiD/AnCakEsj .

fIbmanngcabepKMag sakI ,g mankar sn'fia kskrnngnalykRsUrbseKmkTpSarRsUebkcMh
kñepkskrsgEtTajGsmnmanmeFia)aydikCBaileLly . enAeBI cabpKMag TpSarRsumanEpnkar
pñ esvadikCBaítamrfynpTAtamsM NrbskskrEdI espsM RomU RsUrbseK . EteTatCayagenH
kpbrimaNRsUedI RomU)anminmankarekheLgenAkūRóbtbt kArCakEsjeLly . dēcñ bKÁ kTpSar
RsU RtUcHeTatamPtheFikarRomU RsU edm,begñ brimaNRomU .

bKÁ kTpSarRsUebkcMh eTARomU RsUdI mat;TarpRbskskr edaypñ ;[ekNulogánédBabā
Rsumly BbBaftTpSarRsuminmanfvkasM b;Tij RsUeLly . ehlykarTUt(R)ak; KWFnAerKayBRsUenah
RtU)anI kecj edaykatecj éfQū catEcgkarI kdtrē EdI RtUcM NayeBI BbBefRkayBkardk
CBaúRsUecj BpRbsGkI k; . kñepCBaHGkRbmU RsU (collectors) vij ekNalykR)akeTACamly
enAeBI ecj eTARomU Tij RsU edayeFkarTUt(R)akPam²enAÉkpRkskrÉtmj . ebhiyaygayRsU
yl; KWakskredI I kRsUtamry³TpSarRsUebkcMh RtUrgcaM TV R)akcab; tajBefRkCBaúRsU rht

eTAngesvapll ; NTanedaymandakRsubBaMkankarsMc [eRbR]asfvkabdPak KR2 . mankar
 snfua enAeBl Edl brimaNcatEcgmancMhB7>000 eTA 8>000etan ngGacQandl kltredm .



rb 5-2 ³ brimaNcatEcg cNU cNlay -qā2004-05 ;

brimaNRsUedl namkkan;TpSarsUebkchshyGnbedaykskrpāl ; nigbrimaNRsUedl Tij
 edayQūkNāl enAkūqāDaCvkmpūy² énKbragsakl ,g Kūanbgāj tamRsknimy² enAkūtarag
 5-3 xagekkan .

taq 5-3³ brimaNRsUbmU tantbn;

bBbrimaNI kdRStanRsk -GkI k;
BEFq!\$ ExFid qe00\$ dI efq!# Exsha qe00%

bBbrimaNI kdRStanRsk -GkI k;
BEFq! ExkBd qe00% dI efq!# Exsha qe00%

extp	Rsk	chMLLx	brimaN -KkI	Grtatan tbn
eBvq	Srbtanextp	2,605	1,696,905.3	
	kblayma	50	59,427.3	3.40%
	keBae	154	137,187.8	7.85%
	Banrk	22	6,298.6	0.36%
	Baraj	1,687	909,494.3	52.05%
	eBvq	432	251,439.4	14.39%
	kblaj av	142	263,221.9	15.06%
	SirkNpl	118	69,836.0	4.00%
kblgcan	Srbtanextp	73	50,361.3	
	Gtbb	73	50,361.3	2.88%
	Srbtm	2,678	1,747,266.6	100.00%
	brimaNRsUbmU CanFim -KkI/LU>		654.4	
	brimaNI kec jv ³	854	713,789.5	
	chMLLx:catEcqCanFim -KkI/LU> ³		40.9%	
	brimaNcatEcqsrb -KkI; ³	3,524	2,461,056.1	
	chMLLx:catEcqCanFim -KkI/LU> ³		698.4	
	chMLGkI k; -kskr/GkRbmU RStU ³	2,054		
	chMLPti ³	91		
	chMLXM ³	26		
	chMLRsk ³	8		

extp	Rsk	chMLLx	brimaN -KkI	Grtatan tbn
eBvq	Srbtanextp	4,010	2,952,141.3	
	kblayma	277	299,476.5	9.73%
	keBae	815	535,276.1	17.39%
	emsag	5	279.0	0.01%
	BanCr	1	26.6	0.00%
	Banrk	2	2,279.1	0.07%
	Baraj	1,154	827,047.5	26.87%
	eBvq	1,607	1,145,500.5	37.22%
	kblaj av	34	31,377.5	1.02%
	SirkNpl	115	110,878.5	3.60%
kblgcan	Srbtanextp	35	125,658.9	
	eCgeB	2	2,572.4	0.08%
	Gtbb	33	123,086.5	4.00%
	Srbtm	4,045	3,077,800.2	100.00%
	brimaNRsUbmU CanFim -KkI/LU>		760.9	
	brimaNI kec jv ³		2,040,376.1	
	chMLLx:catEcqCanFim -KkI/LU> ³		66.3%	
	brimaNcatEcqsrb -KkI; ³	6,991	5,118,176	
	chMLLx:catEcqCanFim -KkI/LU> ³		732.1	
	chMLGkI k; -kskr/GkRbmU RStU ³	2,949		
	chMLPti ³	128		
	chMLXM ³	37		
	chMLRsk ³	11		

enAkqgqablllgenKbragsakI ,g brimaNRsUedI RbmU)anenAkqgRskkeBvqEdI TpSarRSebk
 chmsitenA Kmanclhntic BbrBaKbragsitenAkqgdlnakkal fEugenAeLy . enAkqgqablll 2 karRomU
 RsdUdNkrkar)anrl denAtlnCitxagsstygnp . ehlyenAtlnqly²Bfil CatenARskkeBae kar
 RomU RsdUkankarekheLgesly . eTalcayagenHkpenARskBaraj nigkblaj avij karRomU Rsduman
 skmPaBmly²enAeLy edaysarmankarRokVReCgtgEtgCamlyGkRbmU RsddeTetot .

chMLPti nigXmU l eR)as;TpSarRSebkclhmankarekheLg . ddbgeLg TpSarRSebkclh
 manKbrageFrotbtakar el llnEdI slkqgkalygRtm 20Km BclhcsstygnpEdI TpsarsitenAbeNih.
 EtCakEsq XmU hBakkNpl entlnekal edA -7Rsk; RtU)aneFrotbtakar . enAkqgqablll 2 karRomU
 Rsd)anRkdNpel l 34 XmkqchNamXmU Gsmancmh 65 -eshngRbEh l 52°; bXmU Gs;
 EdI slkqgkalyg; 20Km nigslkqgrgEdI karRomU GaceFETAdI ; . benhel enH k77V)anpgedr

nUGtifCnBPthicm 127 kgcM NamPthicm 590 es pugRoh I 22°; . PthitajenH GaceFikarTlak; Thtgedaypal mat)an .

GikeR)as;TpSarRSU mankskrclm 2>600nak; nigGkRbmU Rstlclm 24 nak; . edaysntf,ia RK'SarkskrmancmRoh I BakkNjal enAkigtldneKal edA bes pug 53>500 nak; éncmhsrboman 107>000 nak; -sifimnPkskmextpqm 2003-04 ; sifenAkigtly; 20Kmenah tvel xxagel RtU)an bkRsayCasmamaRténkareR)as;TpSarRSU mancmRoh I Ca 4/8° . RosnehbicarNaGBicmPthi Ed I eR)as;TpSarRSUebkc m pgEdrenah tvel xenH KlineRchRk b/Kanedm,begit)anCa\TBI dikan nymy)aneLy . eTahCayagNak eday eyagtamehtp I CakEsjEd I fa brimaNRbmU RSURocalk mankarekheLgRoh I Ca 43° enah brimaNRbmU RSU KWBgEtmankarekheLgyagri ti . eKal KmiténTpSarRSUebkc m kBgRtU)anTTV ykedaysaFarN³CnTtTAenAmU danenahbnpmg²Rokb edayPaBri ti .

brimaNRStUed I nalykmkkan;TpSarRSU Klmancm 2>960etan . brimaNRStUel IstRmlkar man karERoRovl erchGarSyl el brimaNTikePogenAqabhal . kzinprimaNs I BItRmlkarenAtldneKal edA RtU)an)anspuncmRoh I BI 100>000~200>000etan . edaysntf,ia brimaNs I BItRmlkar Ed I pl it)anenAkigtldnsifkigtly; 20Km Clj TpSarRSUebkc m es pugBakkNjal éncmhsxagel I enah mannyfaKtragsakl ,g)ancatfcgCmly RSUed I s I BItRmlkarenH)anBI 4eTA 6°énbrimaNR StUs I BItRmlkarsrb .

enAGILgeBI rdURctikat;karl kdtRSUCalUit²Ed I mancabBI 1 eTA 2)av -50-100KRk 1/av ; Kkltmanj kj ab; . eTahCayagenHkp TmffCamFiménLtrmly² mankarekheLgBI 654KRk dI ; 722KRk kymyqam. RokarenH rhicmNkeFI [RositPaRbtbt)karénTpSarRSUebkc m manl kN³I ¥ RoesreLg . enH edaysarEtTmlkcitp I TpSarRSUmankarekheLg ebéTahbCaetbnymantictvckp . karyl dgrbsGikeR)asclBaH TpSarRSU RtU)anel kklscabBBI Ed I ekcabepnrgcabmll Bldly mk .

2 |Cl-brimaN I kdt ;

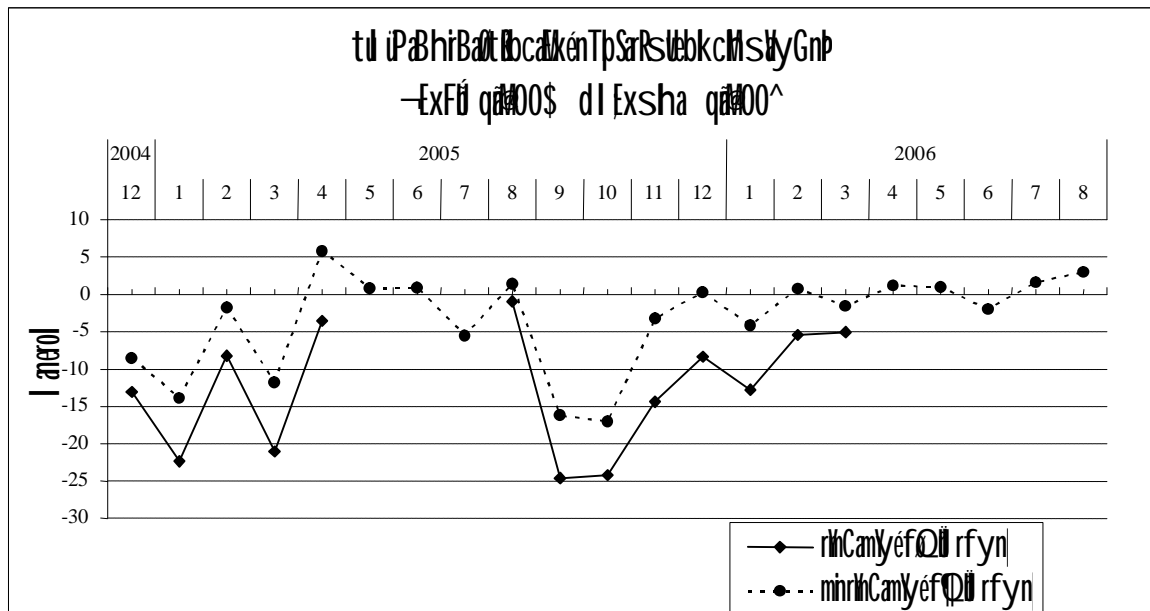
TpSarRSUebkc m kBgbnplmNf karl kCedaymin [eCO tamEd I GaceFETA)an . RositPaBénkar sakBésaFnCl bgaj [emll KWstbc)aneCaKCyl ¥ rhld I éftp I RokI ;TpSarRSU . enAeBI enah

km(Rtal k) anekheLgcabBI BakkNpI Exmifma . cabBExkkala qā2006 Rkmkskrcabephtij CI ehlykarI kdtKwandNrkari ¥. el ,OnenkarI kRocabāKlānB200 eTA 300etanqāM. kskr enA EtmankaresisMij eCO kēnēp TpsarSUmankgixatfvka dēcīkēnkarI kykR)akPam²teTAeTot . edm,I[kskrkan]eteRcheLg GacmanI TpaBTij CI RtUmankarEbgEckFnFanEdI mankmt ()anRtm RtU . I TpaBI kCGacmankar ekheLgetVCa 3 eTA 5 dg edaymncā)ac:ī keCO .

-4 ; I TpaI énkarRKbRKghirBaōōnigmāgarimly²

1 ; tu iPaB

Kmīs tagbnāb;bgāj Gāitū iPaBRocāK CamlyngkarCV rfynpigmānCV rfynp



rū 5-3³ tu iPaBhiBaōōnēnTpsarSlebkcmīstlyGnp -ExFū qā2004 dI Exsha qā2006;

ebhnmāncīNayel karCV rfynpT TpsarSUGacrksa)annūcīNārcēdm .

2 ; cīNaysmābkarSakI ,gkōGūgēBI dēNrkāKāgSakI ,g

enHKWakrNūmūEdI KmīfīlySBItpSare)ahdNpI RtU)annaMkRbeTskmCa . esvanimly² tRmU[mankarcīNaybEnrāsmābēfīkarel kms; . karCīNayRtU)anbBaōōTajcīNaysmābKā kfāk; GīkRbRKgmāk; . R)akExrbsGīkRbRKgenATpsarSlebkcmīstlyGnp Kīlāncīm 500>000 ~600>000 erol ¼

kare(R)as: Xatj

RosilPaBénkare(R)as: Xatj RtU)anKitTikfamanclh 66° kbnpdaysarkareFCMj CaLúEtg RtUkarTkEngstabeFikarep/pkRsU nigykecj 1/2kcll nigstakRtikRsUenah RosilPaBKllanRtmBl 45~50° baNñH . bEnmel enH kankar)ansapgedfa kúepKadlmYÉktangGacs(k)anchh 1>5 etanm². EtCakEsjg KllanRtmEt 0/8etanm² baNñH . enHedaysarEtminGaceFikarKr)anxs; BERBALúRsUmanTihM² nig)arRsUmanTihM²Ká . eRkABITkEngstabeFCakariyal 1/2ecj ép XatjmanTihM²>800m² . dñcl -2>800 x 0/5 x 0/8 = 1 KllacmanITPaBskTk)anBl 1>100 ~ 1>200 etan . ry³eBl skTkCamFimmanclhRohI Ca 17éFñ. brimaNsikmndUcllkatelgdI ; clhckBU QancU mkl ; KllanBl 500 dl ; 600etan . RosinebRsUclh 600etan énsmtPaB skTkmanclhBl 1>1000etan eTA 1>200etan KllgEtCaKllrEdI mankarepctheLgenah enAeBl eLgdI clhckBU KwaccatEcgs(k)anchh 3>200etan -600etan x karepctheLgsklry³eBl 3 Ex 90% 7 ; . BExtul a dl Exvicka brimaNgaccatEcgs(k)Tk manclh 1>200etan nig BExmina dl kBañ manclh 1>600etan . TihñyenH bñbBaP Kábeglt)anCabrimaNcatEcgs(k)TkRocablmanclh 5>600etan .

karEckcayCl

karl kCl bgøj yagc,asnUGRtakargarchBalkmkpTpsarRsUebkclh edm,rkSa)annUclNU man RosilPaB . esvaenH mansar³sManca)lac; slhb;[mantul iPaBhiBañtB.

Kllragpl ; NTanedaymandakRsUoBañ

clhTkR)akénKllragpl ; NTanedaymandakRsUoBañI RtU)ane(R)askgkllGtbrima Kllan clh 50 l anerol enAkúklúgeBl dñNrkRkllagsakl ,g . flbmanRbBp ; NTanedI trmU [mandakrbsbBañénsBbñhiBañtB nigFnaKardéTeTotkp eKKVetmankarykcitp k dakeI kmptclh 2 . 1; enAkúkrNenH KWPa kedaymandakRsUoBañedm,rgcañl RsUeLgxs; . 2 ;minRtUrksa TkRsUoBañAngédmasRsUedayminmankarKitKUGPaKryénkar)akeLy . minmanRsUenAngxñ BkeKmanGarmNl_miningn .

esva)aj fálmatstV

ebèTalhCaesvaenHminEdI)anGnutpEtsstV eCérg dñCa Sitophilus nig Tribolium RtU)an eKRbTheXlj . RkmGkskSarsarCar)anbBaknUPaBca)lac(esva)aj fálmatstV . RsUedI rkSa

TkenACRgkrbskskrel IsBmYEx ngmanekltstV kcmh 80° kgy³eBI BI2 s)an_eTA 3 Exena
 erkayeBI dkmkdI ;TpsarSuebkcmh .

skmPaBénQjLkNpl

enAkjExmkra qm2005 KwjqmYénKbragsal ,g karRomU RsUepkel karI kpl Bkskr
 eTAGkTij sqEtQandI PaBTal Rck . kskredI CaGkI kRSU mancipnHsarCG)anR)akPm² Et
 GkTij mankyWyagkgykarbgR)ak; . kgykNkkl cenaleBI nvagI kRSU nigbgR)akmanrhUdI ;
 CagmYs)an_ . sifkjsanPaBenH tRmUkarCabonannUfvkasMab;Tij RSU)anekltmaneLg . Kbrag
 sakI ,g)anBiayanTij RsUedayeR)asfvkaenTpsarSuebkcmh kben)ane)ahbgKmitenHecal vij
 edaysarEtXR)ak; nigeday sarEt karTij RsUedayeR)asRbPBhiBaot)os;Tpsar GacngyE[xt
 dI GBiaRkitPaBenTpsarenH EdI CaTsSnaTandZMancaYac; énKbragsal ,g . dteH KwYacRtUesistM
 [manrcU rhBQjLkNpl edm,Fana)annRbPBhiBaot)kRkansMab;Tij RSU . enAkj qm2 é
 KbragsakI ,g TkR)akcmh89>000dul aGaemrk RtU)anRomU BQjLkNpl ehlybrimaNCy dI
 edayQjLkNpl mancmh 60° énbrimaNRotbt)arsrb .

mFimPaKénkarbgll R)ak;KibEhI Ca 3 dg sMory³eBI 145 dI ;303éf)l. mFimPaBénkar
 bgll fvka KibancmH5>12 dg . Epkel IInYenH brimaNRsUedI GacRomU)anRocab)akKibancBaak;
 enAxagerkam³

CamYngcmHfvkadEdI edm,RomU Tij RSURbePTBCCINatfakxs; nvagBExtul a dI Exvicka
 nigsmory³eBI 60éf)l)agBExFtdI ;Exmkra enArdurckateLgdI kkkkBU .

□ Extul a dI ;vicka

89>000dul $a \times 4 > 100$ erol $\frac{1}{2} a = 364 > 900 > 000$ erol . tM RSUCamFim³ 650erol $\frac{1}{2}$ Rk
 $364 > 900 > 000 \frac{1}{2} 50 = RbEhI Ca 560$ etan .

□ ExFtdI ;mkra

364 > 900 > 000erol bKCamYngR)akcMj EdI RtUeR)as;Mab;Tij RSUkgtM CamFim
 540erol $\frac{1}{2}$ Rk . enaHk)acRomU Tij)an 675etan .

dħcl 560etan ÷ 675etan x -5/12 - 1 ; dg = RbEh I Ca 3>340etan qgkat, QjLkNpl .
 RbsinebcklhenHeslug 60° énRbtbtþkarTajmU rbs;TpSarRsUebkcklhenal cllhsrþénRbtbtþkar
 nigmanBI5>000etan ~5>300etanRSU . fvkarbs, QjLkNpl KwaKnlhedm, BRgkbrimaNRbtbtþkar
 rbs;TpSarRsUebkcklh . Cakfshj rvagcgExvicika qã005 nigmkra qã006 Klankaresll kRSUBI
 kskr nigGkrRomu RSU kãfntP SarRsunman I TþaBTij RSUGsry³eBI 15éf¶.

ninakarbsGkTij

GkTij cgeKay KwaClkrmashkinRSUkRskcklh 12 nak; nigQjLevot Nam 8 nak;. brimaN
 Tij dteDayQjLevot NamtINag [39°énbrimaNRbtbtþkarsrb ehlyTmgCamankarekheLgnaeBI
 GnaKt .

karstmc)annukMNhRosifþaBbEnfchhBI25 eTA 30° nignaVl TpSarRSUQandI cllhrtedh .

-5; KINPaBRsUedI catEcgedayTpSarRSUstlyGnb

enHCakarBiayamel kThlyenAkmeCa EdI TpSarRsUebkcklhkBlgTaj yksINak -KWJ BLURSU
 nimy²EdI)andkclU mk nigbBañecj eTAvij edh, bFkarvPaKedayebR)as:] bkrNvPaK . karvPaK
 enHRtU)andMNrkareTAtamI kN³niczysKcitþtmanbgãj xagerkam³

trag³ 5-4 sgdakINPaBRsUeNþGasnñ -Exmina qã006;

%	klltsMNm % w.b.	KabGga Rkhm %	KabGga eþhRSall bþak;	KabGga xtd	kllckM epSg ²	Rkoxl [©]	GgaKab; eBj
cMnatfikel x 1	14/0	< 2/0	< 2/0	< 0/5	< 0/5	< 1/0	> 98/0
cMnatfikel x 2	14/0	< 5/0	< 4/0	< 1/0	< 1/0	< 2/0	> 96/0

sMal³ sllbocINatfikel x 2 Kval tll eyag -tll el xEdI)anbgãj ; el kEl gEtSNmecj
 RtU)ankINtenAkrggþtll BI 5 eTA 10° énKllsU TajGsEdI)aneFkarRtV BnitüBI TpSarRSU eTb
 Gackllt)an . sllbocINat; fikel x 1 Kval tll eyag RtU)anklltesEteshgBakkNpl éntll
 cMnatfikel x 2 eTbGacCaekal edAenkarEkI KINPaBRsU .

I TþI EdI)aneFkarRtVBnitü bgãj fa enAqãM 2 karERbRbV énKINPaB manklttCagmna
 ehlyKINPaBCatTAtamanI kN³I NoesreLg . karFakclenGgaRKabRkhménRbePTBObnæpþbgãj
 fa BtmansþBkarTbsátkarI ayLBOCKæenAkjgdINakkal ekayebi Rcltkat; RtU)anpSBþSayeTA

eKemiL eXij eTahCayagNakéday ninakarEdI kBlg el cecj mkGacbgäj [eXij fa kskrxh
I kRSUedI manKINPaBI koesrbsek tamry³TpSarRSU ebkcLh . nigI kRSUedI GnKINPaBeTA
[GkrRomU RSU . eygeFKarsnulanfa eKal neya)aykLht; tM eTAtamKINPaB EdI CaKal KMit
énKMitagbc, nntbLhtKMSmRsb .

-7; kardaktajbgäj tM RSU énTpsarRSUebkcLh

RbsnebtM Tij RSUrbsQjLivot Nammanclh 600erol KRKenAERBInevot Nam tM RSUenA
ÉTpsarRSUebkcLh KW540~560erol KWaTaj tM ()anxs; tamEdI GaceFETA)an . kardaktaj
bgäj tM KManRositPaBxs; nigman\TBI dI tMnmU dan .

karERoRbV éntM KI150 eTA 250erol KRKCaerogral qM mansAnPaBngnbnpbnfedayman
karERoRbV BI100 eTA 120 erol KRK . QjLivot Namniyayfa BkekGacTij RSUkgtM efakCag BI
50 eTA 150 erol KRK RbsnebkApTpsarRSUebkcLh . RbsnebgactMlg50erol KRKenat brimaN
RSUedI sI BTRmukarcLh 2>000>000etan GacrkcMNU)an100Ban; anerol -24>000>000du a
Gaemrk ; bEnh . vamannYfa kskrGacTTV cMNU)anRoEhI Ca 50>000erol -12du a ; ¼kgyMy
RK'Sar .

-8; karkLhtsmamaRt énbKA kTpsarRSUebkcLh

karkLhtpI erobefob énbKA kTpsarRSUebkcLh KMankLhtTabxaj . mU dan)akExrbs;Tpsar
RSUebkcLhmanI kN³smRsbefobCamYngGgkardéTeTot . kargarmY KMankarTTV xisRtU .
eTahCayagNakéday GkenATenHminEdI e)ahbgecal kargarEdI ximankarTTV xisRtUeLly . Tpsar
RSUebkcLhCVI kmkrclh55nak; nigrkSatk 6 nakCab;I ab; EdI eslg 11° énsmanarkLht; . ebl
eTahbCakmkrclh)anBaibeTAtamrdUkal kMankEdI RtLbmkTpsarRSUwij KWslgRoEhI 10°
Edr .

-9; karkLhtkarRkbrKgkBlly -KNenyü;

kartbNaj GKIsnRtU)anpI ;[nig)anbgätbgäj KbkicRaredh, karBarkM mankLhts nig
ertomsMokal ³eTs³EdI emil mineXij . edayeh tFobmankar)atbgÉksarhiBaftB nigkarbBaft
TinnYxisetAkgykBlly ½ dechRbBkBlly ½ KMinEmnCa] bkrNRKbRgEdI manRositPaBeT . sth,Et
karsresredayed énkLhtRtahiBaftKMankLhtsdKienHekiteLgEdr .

5.2.4 kavayt el TpsarststlyGnb

edlm,bBak;[)anc,as;l asnURKbxYsDenKMagedm,I[karyI dgTtARTU)anCkij kgcMNamPaKI
BakBns taragmaRTIsbgKMagmY (Project Design Matrix) RtU)andakecj kgcKal bMNgRKbRKg
KMag sakI ,genH. taragmaRTIsbgKMag KWaeKagdkMagmYEdI erdorabRtS²GDKMag esckpsegb
stnkrEdI GacGnut)an meFia)ayedm,ITVI)annUbtmansstnkr ehlykManrhTajI kxPskMag
erkApogEdr . esckpsegbenKMag rlnmanTisedA nigeKal edAl Mab;I Mlayxs; I Tpl nigskmPaBen
KMag nigTlak;TnigrvagktptajenaKkMa nerdorabpgEdr .

taragmaRTIsbgKMag manbgaj enATBbnab; .

tarag 5-5³ taragmRTIsbgKMagTpSRSUebkcM

eQakMag³ KMag sakl , g énTpSRSUebkcM/karskSbnitül TPAbeglitpSRSUebkcMnAkma
 ryebI³ ExFidat2004 dI Exmaqat2006 tMnKMag³ stlyGnPrskEPEvg RkneKal eda³ kskr GikRmU RStu mSragmasuRSU QjLkNpl
 kal brea³ Extul aqat2006

V-20

briyaysegb	sbnkrEdI Gacepigpat)anCakEsgj	me(i)a)yeepigpat;	karsntfsmn;
eKal bNlgrth ³ EpnkarbeglitpSRSUebkcM RtU)anerobcMbeglit elLgtanry ³ karGnutpKMag sakl , g .	EpnkarbeglitpSRSUebkcMnAtantMndatMRSUsMnbpM RtU)anerobcM beglitelLgtanry ³ karGnutpCakEsgj .	EpnkarbeglitpSRSUebkcMnA kma .	RtUFana()annUGakar nig fvkasMokavneyak dltj .
eKal bMgenKMag ³ TpSRSUebkcM(RtU)anCatEcg)anyagRtmRtU. 1> GgikarEdI dlnaMIEgRtU)anbeglitelLg sMib;TpSRSUebkcM 2> TpSRSUebkcM(RkR)akcMnj bnlpbnj. 3> tM RStmRtU RtU)anbeglitelLgeday TpSRSUebkcM 4> RStEdI manKINPaxsRtU)andkCBad qgkat;TpSRSUebkcM .	1> TpSRSUebkcM(RtU)anRkRgedaymansVzPabEAtanEpnkarskmPab. 2> tulüPBRbtbtjarekheTelLg nmanTajkarkatcMlayrM dl . 3> tM I kRstel is 1/0° éntM I kdtCabebNIRtU)an)anspudaykskr 4> smanaRtenbrimaNRsulanKINPaxsespug/ksCag50°énbrimaNsrto .	1> EpnkarskmPab nigr)aykarN RkRkg . 2> r)aykarKNenyü . 3> karSaRCaGBKMeYal bl ; GikelR)as ; 4> sMnPaBI kRSU	tM RStmInFakclqab; rhk .
Fatocj (Output) 1> cMhkskrEdI eR)as;TpSRSUebkcM ng ekhelLg. 2> karRkRkgTpSRSU 2-1 cNUU BbsvanU daekhel lscNlay . 2-2 cNUU BbsvatkCBad ekhel lscNlay . 2-3 cNUU BbsvasMREStekhel lscNlay . 2-4 cNUU BbsvasMatRStekhel lscNlay . 2-5 cNUU BbsvasRStekhel lscNlay . 2-6 cNUU Bbsvae)akEbn ekhel lscNlay .	1> cMhkskrEdI eR)as;TpSRSUebkcM ekhel lscMheKal edA EdI)an kMnt;manclM4-000Rksar/qajM 2> karRkRkgTpSRSU 2-1 brimaNcatEcgedayesvanU daekhel lsbriMaNeKal edA. 2-2 brimaNcatEcgedayesvatkCBad ekhel lsbriMaNeKal edA. 2-3 brimaNcatEcgedayesvasMREStekhel lsbriMaNeKal edA. 2-4 brimaNcatEcgedayesvasMat ekhel lsbriMaNeKal edA. 2-5 brimaNcatEcgedayesvasRStekhel lsbriMaNeKal edA.	1> r)aykarNRkRkg 2> karRkRkgTpSRSUebkcM 2-1 r)aykarNRbtbtjaresva mU dae . 2-2 r)aykarNRbtbtjaresva dkCBad . 2-3 r)aykarNRbtbtjaresva hal stjt .	eKafakFMeI karRkRkg rdjal rbs;TpSRSUebk cM minmanekTelLg .

<p>3 chM GkeR)asKMagppl \NTanmandak; RsubBakheLg.</p> <p>4 Ggkar nigbKlA kénTpSarSuebkclh</p> <p>4-1 RbBf)obcMtd)anedafSaysMib;TpSar Suebkclh.</p> <p>4-2 GkRkBRKgdoknadiEg RtU)anbegit eLg.</p>	<p>2-6 brimaNcatfcgedayesvae)akRSUekhel IsbrimaNekal edA.</p> <p>3>pl eFob -smanRt; TmifenPSUedI dakbBakAmlybrimaNedI catfcg ekhel besKubxsCag20° .</p> <p>4> Ggkar nigbKlA kTpSarSuebkclh .</p> <p>4-1 I kpk³RtU)anerobcMLg ehlyTpSarSUsMc)annUshRKasmlyEdI Ca GgkaminEstgrkpl cMnj .</p> <p>4-2 kC)CMBsGkicatfcg eF)Paskm)efI manI kN³T)Ten;skmPaB rbsBkek nigeF)onkar skmPaBstMbGNt)kay .</p>	<p>2-4 r)aykarN)otbt)karesva sMat .</p> <p>2-5 r)aykarN)otbt)karesva esvas)Tk .</p> <p>2-6 r)aykarN)otbt)karesva esvae)akEbn .</p> <p>3>r)aykarN)otbt)karesvap)l ; \NTanmandakRsubBak</p> <p>4> Ggkar nigbKlA kRbs;TpSarSuebkclh .</p> <p>4-1 I kpk³ nigI kitbBakG)kcar clbBakashRKasmly (corporate body)</p> <p>4-2 karRbCMBsGkRkBRKg .</p>	
<p>skmPaB³</p> <p>1>karBnuil G)M)TpSarSuebkclh dI Gk)BakB)S</p> <p>2> karRkBRKgTpSarSuebkclh</p> <p>2-1 esvan) dan -Rt)Binitu)catc)Mat)fk; nigTU)at)ak)kCl</p> <p>2-2 esvad)kCBad</p> <p>2-3 esvahal)st)it</p> <p>2-4 esvas)Mat</p> <p>2-5 esvas)Tk</p> <p>2-6 esvae)akEbn</p> <p>3>kar)R)asKMagppl \NTanedaymandakRsubBak</p> <p>4> kar)obcM)k)ks)g)sm)tb)B</p>	<p>Fatou (Inputs)³</p> <p>< xagPaKCb) ></p> <p>1> C)h)j kar</p> <p>RbF)an)k)M)neya)aymaX)F)g -1nak; eh)da)cn)asm)k)X)F)g)ans)pa)M)ay)k)k)BR)k)g)T)k)eng -1nak;/ RbB)k)X)F)g)ay)T)M)K)Mag -2nak; k)sk)M)k)k)eq)k)ay)E)I)R)cl)kat; -2nak; sg)h)C)nb)T -1nak;</p> <p>2> b)N)h)N)h)l) sm)Pa)k)l</p> <p>3> p)k)pg)j) b)kr)N)ig)C)S)C)il) Ek)I) X)aj)l</p> <p>4> K)at)T)dl) kar)R)k)BR)Kg)Tp)Sar)Sue)bk)cl)h</p> <p>< Pa)k)M)ka) ></p> <p>1> R)k)BR)Kg)E)pn)ka)T)aj)M)l) ed)ay)K)N³k)M)k)k)ar)k)ar)ga (Steering Committee)</p> <p>2> e)F)on)kar)K)M)ag)ed)ay)R)k)M)k)ar)ga (Taskforce Group) en)A)B)I) cab)ep)h)R)k)BR)Kg.</p> <p>3> p)k)pg)j)fk)as)M)k)M)ag)pl) \NTanedaymandakRsubBak)ng)kar)R)k)BR)Kg -e)R)as)fv)k)ad)Pa)k)R)eh)I)Ca 200-000du)l) a)Ga)mr)k)l;</p>	<p>e)k)A)h)aj)S)M)l)T)k)C)M)h)R)T)g; RT)ay)F)M)in)man)ek)it)e)l)g.</p>	<p>ber)l) k)g)M)D³</p> <p>R)k)S)g)Ba)N)C)k)M)pl)u)X)aj)l) nig)dl)S)M)k)M)ags)k)l)g.</p>

-1; klténTñp I TTV)anBKMag sak I ,g

-k; etc kltkskrEd I eRbT pSarRsUclh mankarekheLgEdrbet?

mankar)anRomaNfa RbCaCnRbEh I 3/000 nak)aneRbT pSarRsUebkcLh ehlycLhKedAEd I)anklNt; 4/000 nakenAkügstnakrtaragmarTIsbgKMag KWFth)ansMceT . cLhLúRSU srb BExkBað qā2005 dI Exkmø qā2006 KltancLh3/058Lúx. eyagtanEpnkarNskmPaBén ry³eBI enH 57° énbrimaNcatEcg¹ BExkBað dI ExkmøRtU)anktRtaBExminadI Exsha . dEcl cLhLúRocapáRtU)an)anspactLh 4/800 -3058 x 1/57 ; Lúx. tVeI xenHmannYfa mnsScLh 4/800 nak)aneRbT pSarRsUebkcLh enAküry³eBI mlyqāM . enAküeBI CamYKā edaysarEtclh PaKryénRbCaCnEd I eRbT pSarRsUebkcLhBrdgkümYqāMRtU)aneK)anRomaNmanRbEh I Ca 60°² GkeRbBitR)akdenT pSarRsUebkcLhRtU)anvay tE l famancLh 3/000 nakkümYqāM4/800¼/6; .

-x; etll TPaBrkkltcM Nj cBalesvanhly²GacFana)anEdrbet?

edaysar vamankarI MakükarEj kec j BKänUkarclNayénesvanhly² dEclbrimaNcatEcg EdI Caekal edAénesvanhly² EdI)anklNtedayEpnkarNskmPaBedh,Fana)annUl TPaBrkcLNU RtU)aneRbR)asCastnakrmYenAkütaragmarTIsbgKMag .

tarag 5-6³ kltstlc)anénesvanhly² -ExkBað qā2005 dI Exkmø qā2006;

esva	I TñI ⁴	eKal edA ⁴	karstlc)an ^{-^o; k¼;}
esvanU dan -etan;	3>385	3>800	89
dltCBað -etan;	3>359	8>300	40
hal slyt -etan;	1>74	3>900	43
sMat -etan;	371	2>160	17
sþTk -erol ;	2492>756	4>575>000	54
e)akEbn -etan;	289	1>740	17

kltstlc)anénesvanhly²RtU)anbgäj enAkütaragxael I -tVeI xénesvasþTkKWar)akclNU KitCaerol ; . Tak;TgngeSvaTajGs; brimaNcatEfgelAdAminRtU)ansMceT . CaBéss

¹ brimaNcatEcg Klap I blénbrimaN I k;nigbrimaNenAküBásareBPW. RbEh I Casab sbPaKryénbrimaNromU RsUkKkSatkCa snfi.

² pl eFobenHRtU)an)anspactayGkRk bRkgEpkmaXFg .

klitstic) an énesvas (lat nigesvae) ak Ebnman Tab KY [kts Mal ; Klitcag 20° . eh t p l cldg énklitstic) an Tab Ebnen H RtU) ane KeCOFa b Npl mk Bp l it PaB Tab énesvanhy² nige kal ed AKINt; min smehtpl -el SBkarr Bg Tk ; .

-K; etchlmnis Sed l eRobs vaB BaS UmankarekheLgbet?

pl eFdb -smanrt ; TmfrsUedl) an l kedayerbR) ases vaB BaS U TI nigchmcatEcgsrbo Klitnbgøj enAkütaragxagerkam . smanrtmFümenAkütlNakkal TI 2 man 10° KlitstingBak; kNpl éneKal edAedl) anklitclm 20° enAkütaragmRTsbgKlitag . eh t p l cldgEdl bNpl [karebR) ases vaB BaS Umanklit Tab RtU) aneKKit famanbl dxagerkam³

- 1; kskrCaerhRtUkarsacR) ak Pam ekayBkardkCBaRsrbsBkeK³ ehlyminGacrgcall rhüdl Rslclgef) aneT .
- 2; edaysarSUmantl xsKYsmenAküklNakkal T2 dtehtRmlkarkbNhtl Klitanc tç .
- 3; GaRtakarR) akclm 2/0° minRtU) ancat; Tikfasmehtpl enAkükal³ eTs³clm TI 1 nigT2 .

trag 5-7³ pl eFdb -smanrt ; TmfrsUedl énkMagbBaS U TI nigbrimaNcatEcg

2005-2006	kBaß	tu a	vicka	Fü	mkra	kmØ	srbo
KlitmagBaS U -etan; -k;	100	74	54	95	41	21	385
brimaNcatEcg -etan; -x;	481	521	452	1025	946	522	3947
smanrtTmfrsUedl ^{-o} ; -k/x;	21	14	12	9	4	4	10

Bdldg KlitmagBaS Uerdobclgedm,pl R) akklm [kskredayykarR) ak; Tab edm, hGayBkeK eCosvag l kRslenAeBl témfakcl ehlyrgcall kRsludl eBl) anéfxs; . eTalbCayagNakéday kskredl manR) akRkRkanGacrgcall rhüdl eBl témSUmansanPaBl koesreLgvij Klitancmhtic tçNas; ebeTalbCaBkeKTV) anR) akkmBakkNpl éntémSUrbsBkeEdl) andakbBaßp.

³ eyagtankarSaRCamU dan kskrdasclm 74°-82° enbrima l k; l kRslPambnbBRomU pl rt .

kskrEdI I kRsUtamry³TpSarRsUebkcLh RtUrgcaMarTUatR)akbnbbBkardkCBaRrSUrbs;
 Bkek rhUdI RslenaRtU)anI kec j enATpSarRsUebkcLh . RobEhI 70°énkareRbR)asKlragbBaRr
 RslUKWakarxEdaymanI kxNrtUsgvij krgy³eBI ticCag 10 éf¶]sRmabkarrgcaBbéf¶]. enABak;
 kNpI Exmkra qá2006 TpSarRsUebkcLh)anbeglileLgnRbBhR)akenAeBI RomU RslUtmj .
 dtch kskrGacTTV)ankarTUatR)akenAeBI dtkCBaRrSUrbsBkekEtmj . RobkarenH)anI bb)at;
 nUtrmUkarxR)akEdI manI kxNrtUsgvij ticCag 10 éf¶].

-K; etrcnasmkSgkar smRsbmYRtU)anbeglileLg ehlybenA?

ek)ansbrcfa PákgarTTV bnkkarGegatenH KwaGkGnutKlrag sakI ,g ehlyPaKkmCaRtUcat;
 tajnaykcatkarTbTAenAkúkcRbCMN³kmakar dknalMargarEdI eFlnAkúExmina qá2005 . nayk
 catkarTbTA cMhBrrb RtU)ancat,tajedayRksyBaNckmpigRksyjskmpAkúExmifna . RobBhS
 EdI manshnaykcatkarTbTA)ancabepphedayykctpdkakenAkúExkBaRr qá2005 .

TpSarRsUebkcLh)andakBakiedm,slUdeQaGgkareRkArdaP)al mly ehlyTTV)anzan³Ca
 GgPaRsbcb,abenAkúExmina qá2006 . tamry³dMnrkarsakI ,g nigmanKmsqú RobBhS
 RotbtþkarmabEpk (three-department operation system) mly EdI manEpkTpSar EpkRotbtþ
 enAkúTpSar nigEpkRkbRkg nigRobBhRkbRkgRotbtþkarenAmU danmlyRkbRkgedayemRkmkmpu
 nigGkdknalKm RtU)anerdcLleglileLg . dtEdI)aneXij Bmnrtehly vaKwarcnasmkS,at,taj
 CakEsy EdI RtU)anEkSMI trmUtamesckRtUkarenAmU dan .

naykRotbtþRtU)aneRCiserlsBkúcbNanCMlykarGkRsarCar énRkmRsarCavenAkúExmina .
 KatKWannissmakEdI mankaryl dng,as;I asBsar³ManénTpSarRsUebkcLh . dtch kareRCiserls
 enH KWakarRCiserlsmlysmRsbpmt . eTahCayagNakeday edaysarEtkarcU kant,MNgrbs;
 KatCanaykRotbtþkileLgenAerKayeBI kicRbtþkarsakI ,g KatminmanbTBesaFnenAmU dan
 eT . erOgenH naLl eGaymankarRBy)armónpbnþ .

-g ; etbKl kRtYBinitipal ; eFIskmPaBedayKmitpþepmpal xúRtU)anbeglileLg ehlybenA?

cab,tajBkarRkbRkgRotbtþkarcFedaybKl kRtYBinitirTU)anGnutþmk BkekHakbbt
 CaTTV)annUmU danÉkraCü EdI ca)acsMokicRbtþkarmanninPaBedayxúÉg énTpSarRsUebk

clh . eTahbCayagNakēday BkeKminTan;TIV)anCmaj bksrbskmPaBrbsBkeK nigGPiD/Ah_ EpnkarN~~Rocall~~dayxūÉgenAeLyeT .

-2 ; kltstmc)anéneKal edArbsKMag

-k ; etGgkarRotbt~~k~~armanninPaBedayxūÉg RtU)anbegliteLgehly benA?

Gacniyay)anfa GgkarRotbt~~k~~armyEdl manmū danÉkraCūRtU)anbegliteLgrtehy bīnp GgkarenH enAminTan)anQandl dNakkal mlyEdl GacGPiD/A nigBRgkskmPaBSmabxūÉgenA eLy . shnaykcatkarTēTAEdl mkBhnpBaNCkmpigmnbkskkmextpanRtmEtclū rhenAkūgkic[©] RoCūshnaykcatkarTēTACaerogral s)ph~~b~~NūH BēBāBkeKCaorvl CamlyngkargardēTeTot . ehtulcñ emdknalkmskSarsaRCavRtūmant~~h~~atCanaykcatkarTēTA cūNKÉshGKHaymkBhnp BaNCkmpigmnb kskkmextpKwGiktandankarRKgRKg .

edh,cabepñ KūankarBinitieml eTaeI bKā kRtūBhitūpal ;Edl rīhmanGikRKbRKgtanEpk Cūly karGikRKbRKgtanEpk nigemRkmmkū . BkekmankarRoCūaerogral ;I ēc edh,raykarN~~G~~ūl TēI én esvanmly² BPakSabBaēpSg edh,rkdNāHrsay nigerdocMegiteEpnkarRotbt~~k~~ars~~ū~~bēf~~ū~~nb; . I TēI énkc~~R~~CūU)ancgRkgCaerogral s)ah_ nigdakCūGg~~R~~CūTV xūRtūrh . enHmann~~z~~fa bKā kRtūBhitūpal ;GacRKbRKgRotbt~~k~~karRocall~~f~~ps;TpSarsUebkclh edayKapkarl Nak . eTahb CayagenHkp tēneKal edARocall~~k~~ Kūpkel EpnkarRocall~~ū~~l erdocMegiteLgedayRkmGiksksarsa RCav ehlybKā kRtūBhitūpal KapbTBēsaFnerdocEpnkarN~~s~~kmPaBRocall~~ū~~ .

TBr TakTgngeTAngkūm~~ū~~ajkargarenAmū dan Edl manch~~ū~~RbEhI 30 nak; . GikEdl Fēb; eFkarenATpSarsUebkclhry³eBl el lsbI 6 Ex mankaryl dūgBithaTI nigsar³sManénTpSarsUebk clh ehlyGaceFkargartankarptēpñKūitrbsBkeKpāl ; . pūyeTavij GikEdl minyl BithaTI nig sar³sManénTpSarsUebkclh ehlyKitfabkeK~~R~~kan~~ē~~teFkargaredayédmym~~x~~EtbaNūH)anI aQb; BkargarenAkūry³eBl 6 Ex bBkeK(RtU)anbBaūBkargar . smamakt énkm~~p~~Edl GaceFkargar edayÉkraCū Kū~~ū~~3 énkm~~p~~TāG~~s~~; . kareFūGayRoestdI KūNPabēnkū~~ū~~ajBI km~~p~~KūabBa~~s~~Man; Edl RtūedaHrsay .

-x ; etls~~ū~~PaBhivtūdl manl m~~ū~~s~~ū~~mc)an ehlybenA?

traq 5-8 ³ tul iPaBhiBaftBocaKkBaft qal2005 dI Exkm0 qal2006

	kBaft	tula	vicka	Fu	mkra	km0	srb
cNU -1/000erol | -k |	6853	13941	12123	19908	15107	15949	83881
cNay -1/000erol | -x |	31479	38075	26494	28301	27870	21378	173597
smaraTcNay -° | -x/k |	459	273	219	142	184	134	207

eTalbCasinPaBhiBaftBocaKk)anRbesreLgKYeGayktsMal enAkogry³eBI RotbtKarsak I ,gdIdI)anbgaj enAkogtaragxagel kkpEtRotbtKareH)anBaDeTedayman»nPaBRkbExTaj Gs; . CBajTUtatsrbocgeKkayman»nPaB 89/716/000 -22/043erol | xN³EdI karkat, dmin Tan)anKitcU . R)akcNayenAkogExkm0 manclh 130°enR)akcNU . I Tpl GaRkkBExkBaft dI Exvicka KWNPi mkBkarbNpk;Tundldgmanclhxs;c/NkÉpI itPaBmanclhTab .

-K | etkardakéfosmrmienRstU)anbeglLg EdrbeT?

tém0 kRstUedI TTV)anedayGkeR)as;TpSarRsUebkclh RtU)an)anRomaNmanclhRbEhI 4° xsCaGkEdI I kdRStUtamTmabFmfar . tYel xenH KYCaTBJ citxsCag⁴ eKal edA 1° EdI RtU)ankNtedayTpSarRsUebkclh . bKA kTpSarRsUebkclh)anBiyantemigtémRStUtamry³kar el kKBSKINPaBRStU bÉnpkSaéf0svaeGayenATabtanEdI GaceFTA)an . Gacniyay)anfa tam ry³kcXitxNdyERogTajenH karbeglitémGaykanÉtsmrmicagenAkogénAkicRarCNY dIFmfarKWFyan sMcehly .

eyagtankarGegat\riyabTGkeR)as; EdI RtU)aneFCanlyngkskr Éktatém0 kCamFümenA kögkicRarCNY tamry³TpSarRsUebkclh KW522erol kögmlyKLÉkam . müagetot Éktatém0 kenA kögkicRarCNY FmfarCanlyngGkRbmU Tij 1GaCvkrmashkinRstU EdI RtU)an)anRomaNedayGkeR)as;KW492erol kögmlyKLÉkam . PaBSxKacclh 30 erol enH KWbhakRbEhI ng 6°éntém0nAkog CNY dIFmfar . ehttdtenHehly eTb)anCakskrenAkogtInCitxagykrSturbsBkeKmkkan;TpSar RsUebkclh edaydkRstUatjenHtamkg;bmU .

⁴ RosnebtM Tij Ékta RtU)ankclh; 1° xsCagtEdI manRsb; ehlyGkI kGacI kRsturbsek köjtM ddkangI Tpl CakÉsjenah TpSarStUGacbeglclNU)an15erol 1KRk . cNU ekhelgenHKINngbrimaNcatÉcgsrbclh 3/385Banetan KUSng 50-775Banerol EdI esng 57°en»nPaB srbcclh 89-716Banerol . eTAcayagNak0day Rosnebtéd kÉktanah RtU)anRokanykendI kRngfa brimaNbmU RstUngFakclhch ehlyéaMlayngkclh .

karRsarCarxageI RtU)aneFICamYngGikebR)as;TpSarRsUebkcLh ehlyEdI ykRsuRbsBk ekMkkan;TpSarRsUenHedayxhÉg . ehTolbenH témekCBaúbnþbnþRtU)anbeglitenATenaH . dteçH edm,)anRbmaNBItémð kmFiménkic:ParCMY TajGs; cð)acRtUkatecj nUefdkCBaúCamFim . éfdk CBaúsmab;TpSarRsUebkcLhRtU)anKNnatamrbmnp -3/5erol =0/3921Km;1KRk! . edaysnþfia cmðyCamFimKW15 KLÉmRt vanantémðEhI 10erol kýmlyKLÉmRt . Epkel ItémekCBaúenH PaBxisKáCamYngtéménAkýkic:ParCMY FmþaKW20 erol -4°! .

-X; etRsumanKuNPAbI bþlütRtU)andkCBaútamry³TPSarRsUebkcLhEdrbeT?

eyagtamGikRkRkGepkmaXFg PakryénkardkCBaúRsumanKuNPAbI bþlüt TI ngbrimaNdtk CBaúsrð KWancLhRbEhI 50° esþugkLteKal edAEdI)ankLitenAkýtaragmaRTIsbgKblag . bnþbþBI enahmk kardkCBaúRsuEdI manKuNPAbI bþlütbnþkheLg ehlytamesckþaykarN)an eGaydngfa va)anQandI RbEhI 70°enAkýExkmð qáQ006 . edaysarRsUTajGsEdI RtU)andk CBaúggkat;TpSarRsUebkcLh RtU)aneFkarvasEvgþng)anRtmRtUenah eKGacniyay)anfa)avcnarbs; TpSarRsUebkcLhEdI Ecgfa karCj dþ RokbedayPaBRtmRtU nigmansmFm énRsumanKuNPAb I Rbesrbþlüt :KWsmc)anehly .

-3; I TþI énkarvaytémodayEpkel II kN³vnicýR)alM
KblagsakI ,gRtU)anvaytémodayEpkel ITsSn³énI kN³vnicýcLhR)alM

-k ; PaBTakTg (relevance)

karvaytémol PaBRkbRkan; mannyfaedlm,Bnitüemll etll TþI Kblag eKal edA nigeKal bMNg kLhtxs; smRsbCaeKal edAenKblagbcð,nñEdrbeT eobTahbenAeBI eFkarvaytémkþ . rhÜmkTI ; bcð,nñesckþtUkarTpSarRsUebkcLhKWAmankLhtyagxs; . mankarbBaekfa TpSarRsUebkcLhmin Rkanftmansar³ smansRmabkskrbeNñeT KWefmTajmansar³smansRmabGaClvrmastu kinRsu nigQjLkNþl pgedr .)avcnarbs;TpSarRsUebkcLh karCj dþ RokbedayPaBRtmRtU nigman smFm : nigeKal karNcamU dansþI karEckcayRsumanKuNPAbI Rbesrbþlüt : KWsmRsbeTAnng

⁵ I kN³vnicýTaj 5 KCaKal KhtTU Ml aysþbeFkarvaytém Kblag . I kN³vnicýTajenah dþlgeLly RtU)anesþLgedayKN³ kmEkaCMYGPiD/A (DAC). KN³kmEkaenH)anesþLgnwFsaRþaytém Epkel karyI dýTþAmnRtmEtrhTajkLhtsþlcaCkCy beNñeT EtéfTaj I kN³vnicývatM Taj5pgedr]TahrNððCaPaBCabTakTg RosiþB RosiþI \TþI nigmnpAb.

esckrtUkarEckcayRsunAküextpBEvg . enAküeBl GnaKtd3kagmx Rbsinebpl itPaB énkardal/ dUrsUnAtInyal TlabkanfRbest ehlyEdl Cal Tpl nallbrimaNEckcayRsekhelgenal kargar ch)acrbst;TpSarRsebkclhngRtUbeghEfmeTot .

i; esckrtUkarbskskr

skmPaBEdl RtUkarca)Macblit enAküeBlNamskmPaBnanaEdl kskrcgeGayTpSarRsebkclhGnutpKVglsRtmRtU . GkrBomU Tij Caercher)asCBalgminRtmRtU edaykatecal el xTSPak xagcng nigKINclhén)arSU CamlyngtYel xtcCagTmf)BitR)akd . kskrCaerchmankarxngsm,ar ngkarfgenAbI bc@,nñ . kskmYcMhEfMTaj)anniyayfa BkeKsxcitpRCserlsykGkrTij Edl fngRtmRtU ebeTahbCaTTV)anÉktatémTabCagGkrTij ⁶ Edl eR)asCBalgminRtmRtUebbenHkp: .

kskrEdl eR)as;TpSarRsebkclh GacbeghR)akcMNU rbsBkeKtanry³karekhTmf;I k; edaysarkareR)asrgls;Tmf)anRtmRtU . karekhTmf)GacmanbrimaNyagerchRkasERkl ehly enHKWakarel kTkcitpYdMedm,I[kskreR)TpSarRsebkclh . bEnf)Bel karekhTmf)enH kskr GacrBngTTV)anÉktatémxS;Cag ÉktatémEdl pl edayGkrBomU Tij Fmfai ebeTahbCakitCaPaKry manclhctctkédlay .

ii; esckrtUkarbsGaCikrmashkinRSUQjLkNpl

TpSarRsebkclh)anbegltnUTpSarmYEdl RslumanKINPaBl b)litGacI kdt)ankütm xS; . edayeh)afRslumanKINPaBxsmankltsMNMtmRtU nigvt)atopSg²BkageRkAtictt: dclh vaGac katbnRy)annuclINayel karkin . m)seragmaslkinRSUCaerchEdl Tij Rslutanry³TpSarRsebkclh \LÜenH CaGtifCnRocaltbs;TpSarRsebkclh BBRBaH)BkeKTTI sAl fa kareR)RslumanKINPaBl ¥ b)lit GackatbnRy)clINayel éf)Rog\nP .

iii; esckrtUkarbsbkA kTpSarRsebkclh

TpSarRsebkclhpl »kaskargarmanesBPaBdl kskrenAkü)tdnCitxag . kmkrCag 40 nak; RtU)andleQa)CamlyngTpSarRsebkclh ehlykBlgeF)kareGayTpSarRsebkclh . R)ak;QÜ rbs;

⁶ kaEfgenH eF)UgedaykskrMh)Edl manvt)panenAkü)Bl R)C)Mnül enAPhiedaybkA kTpSarRsebkclh ehlykmanclh; GamN)yd)clh)at)S)nal)arbs;TpSarRsebkclh . Bakü)M)bs)k t)N)ag [klh)grbs)k)clh)B)ak)ar)C) dtm)RtmRtU nigkargca)Tij Camlyngkar fngRtmRtUedayTpSarRsebkclh .

BkeKmanKlt es pug)ak, Qü rbs kmkrc Kap Cmlaj enAkügrsk bñk mkr eFikareGay TpsarS uebkclh GaceFikargaresbral ef\$Rmabry³eBl ytl . enAkügrtdn CnbT »kasrkcINU CasacR)akmanKlt xatj Edl nal »kaskargarenHmantémRchKYsmsRmabBkek . »kaskargarry³eBl ytenAtanhagl kdt nigeragcRkminslumaneT ehlykmkrCaekchRtU)anCV eFikargaredaykll atjkgry³eBl xbnAtankardan sagsg;nigenAkügrduksü nigRclikat; .

x ; RosilPaB

enAkügrkarvaytémBRosilPaB KllankarBnitiemll fa eteKal edArbsKltagsstic)an bñkmgCaGac stic)anRtmNa . RotbtakarTlexABNRkhm (red-ink operation)rbs;TpsarS uebkclh)anbnphlt dl cgbBaöenry³eBl Rotbtakarsakl ,g . dñcl RtUetmankarsarPaBfa RosilPaB énKltagsbcñ,nñ enAkügr³eBl RobEh l 1qñM Kllanklt Tab . pñyeTAvij KltagenH dñNrkRokbedayRosilPaB KYsm edayseñc)annleKal bñNg KltarCy dñRokbedayPaBRtmRtU énRslumanKINPaBl bñlt .

i; GgkarRotbtakarÉkraCü

enAkügr³eBl Rotbtakarsakl ,g zan³CaGgPaBRsbc,abmlyKllinTan;TTV)aneT ehly naykRotbtakarKllinTan)aneRClserlsEdr . enHGacCakarKiteXlj ekaymk bñnpBaTatjBrenHKYEt señc [)annmeBl Edl KltagsRtU)andakeGaydñNrkar . kal eNah Roshebygrgcakarsstic rbsnaykcatkarTtAenah Kltagsakl ,gRobEh l Camingaccabepñ)aneT . dñcl eygkñGacCY naktñkrc [mannaykcatkarTtAstñb;TTV bnkRotbtakar)anEdr . eTalbCayagNakéday vakY EtmankareCosvag cabepñRotbtakaredayKapKN³¹PaKgarRotbtakar nignaykRotbtakarKN^{31/4} PaKgarenH BeBaHGgPaBenHRTUdñNrkarCaGaClkmply Edl Cakarsakl ,gel kdñGgenAkügrBeTs km&a ehlytrmU [mantul iPaBclNU nigclNay .

GikRbRKgEpkmaXFg emRkmkrc nigkmkrEdl eFikareRchemagsüstmanCmlaj Rotbtakar enATpsarS uebkclh nigGacbbj kargaredayKllit pñepñxñÉg . cñBaHCmlajkarGikRbRKgEpk RotbtakarenAxagkñTpsarSü nigEpkRbRKgrdñal vij BkeKRTUkarTBesaFneRchCagenHbnp eTbGacbbj ParkicñsBkekedayÉkraCü . eTalbCayagNakéday ekrñgfa BkeKngmanCmlaj tamry³karbNñbNñl enAngkEngeFikar . eTalbCayagNakéday enAkügrGllgeBl Rotbtakarsakl ,g KllinTanmanGikEñsckpñccgeekayenAeLly enAkügrcñNambkñ k rñTatjGikRbRKgpgEdr .

tamTsSn³xageRkam karbegitGkRbtbtjkarTpSarSuebkclh nigkarePCiserlsnaykRbtbtj
rbsyaGacTkeGayrdaP)al kmCaCaGkptepn .

1 ; kardakTpSarSuebkclheGayRbtbtjkar RtUkarkarKantBrd@NacEdI BakBhS.

2 ; karcllbBainGgkarRbtbtjkar tRmUeGaymankaryI RBmBrd@NacEdI BakBhS.

3 ; rd@NacEdI BakBhSnanRoPBBtmanca)acSmbkarePCiserlsnaykRbtbtj.

TpSarSuebkclhKWakMagSaFarN³my . ehtuldenH ebkCnKVEtCaGkEdI yI Bil kN³
rbs;TpSarSuebkclh)anRbestCagGkdeT . c@NcTI3; xageI hinmanb@Ngkht [ebkCnca)acRtU
EtCabKA krdenaHeT b@npa mannyfabtmanGMFnFanmnisEdI enAkgedrbsrd@Nac K@an
RoeyaCnkjkarEsUrkebkCnEdI manI kN³sm,tjSmRsb .

ii; tu iPaBc@Nay

eTahbCax@sarrbsKMag nigeBI evI aenkarcabepnrbssvaminismehtpI k@day vaCakarBit
EdI fa brimaNcatEcj KWabCageKal edAEdI)ank@Ntclh 8/000 etan ehlytu iPaBenc@NNU nig
c@NayminTans@nc)anenAeLyeT . RtUmankarTTV sAl fa RbsitPaBhriBa@t@nKMagbcb@,n@nA
mankhtTab . ehtpI c@dg@npl iPaBTabKW edaysarRbtbtjkarRomU RsURtUc@NayebI evI a
erchenAkjgd@Nakkal EdI eTbnjcabepn . enaHk@ael kd@dgEdI kskr)anBBakiufa TpSarSU
ebkclh . d@ch bKA krbs;TpSarSuebkclh RtUBnUl G@hitiFRomU RsUeGay)anI Mit nigBaP
bB@ kskreGayeRbesvasakI ,g . TpSarSuebkclh)anBuiyampesb@karGnutp@karEckcayRSU
enAtammU dan edayTTV rabrgkargarTajGsenH .

ehtpI T2 @npl iPaBTabKWkarc@Nayel kardkCB@ienAeBI RomU RSU . kskrPakeRchmin
manmeFia)aydkCB@iRSUenAeBI RtUdkCB@ieT . d@ch TpSarSuebkclhRtUdkRSUrbsBkeK eday
erbfynp . k@f@n edaysarTpSarSuebkclhKapFnFanhriBa@t@dm,lij rfynp@kT@ij TpSarSU
ebkclhRtUlog@it@v rfynp . ef@v rfynpKWabnkmy . el IsBenHeT@eTot karc@Nayel ef@b@
\n@ nigkarc@Nayel karEft@mant@msbg@ erdoeFonngsMar³erR)asRoc@leTeTot . miageTot

erKABkarcM NayeRchCamU danTajenH sAnPaBptGarkkGacCaktpeFkGaymankarsERog\NPKanEt
eRchEdI bNpl eGaymankarcM NayeI kargardjal nigkarEFTaklanEtxs; .

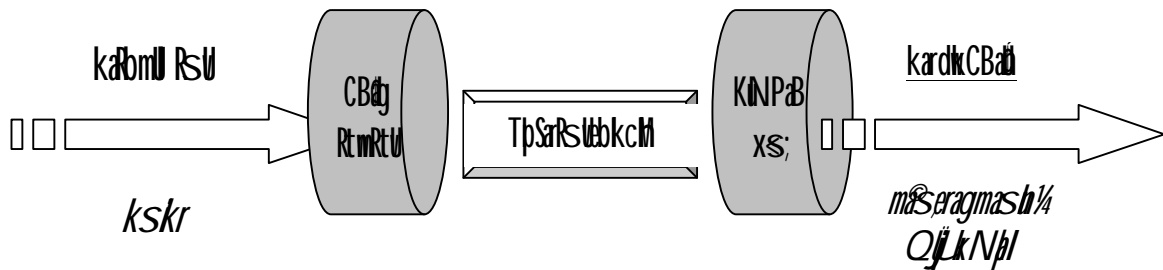
ehtpI TbKWvartUkareBI evI aedm,ITV)anBtmanGBlSAnPaBEckcay . kargarbrs;TpSar
RsUebkcLh TTV nUATBI kugknterchKYSmedayktprdukalepSg² dtCakareFIRsvsSaCaedm .
sth,EtenAkgttdnEdI RkbdNlp; eBI dablKkankarERobVl BPbmlyeTAPbi⁷ mlyeTot . minRtmEt
eBI evI adkCBaAbaNHeT sth,EttemoTij edaymaseragmaslknRsUQJkNpl nigtemonAelI
TpSarkERobVl pgEdr . bKAl krbs;TpSarRsUebkcLh)aneronChtaj GaClvkmTamry³eBI evI akbi
btksarsakI ,g bInPkeKminTanmansmtPaBRkbKanedm,catvFankarTaneBI evI a edm,eFkGay
RoeskeLgdI RotbtksarRocakFqlytbnngsAnPaBpsbpenAeLlyeT . edm,eGaybKAl kTTV)an
Chtaj shtotantansAnPaBEckcayEdI EtgmankarERobVl \tQb,Or yagehacNaskBkeKRTU
mankarbNplbNpl tamry³kargarry³eBI mlyeqatdr .

iii; Chtj dtokbedayPaBRtmRtU nigmansmFmsRnabRslmanKINPaBI bpldt

kskrEdI dtkCBaRsrbrsBkekeTaeFkarI kdtenATpSarRsUebkcLh TTV)anpI RoeyaCnBI
karfM)anRtmRtU nigkardak,tem)ansmRsrbrs;TpSarRsUebkcLh . karenH nabGaybrimaNcatEcg
I kdRslmanerchshbm . temEdI pl edayTpSarRsUebkcLhKlEpkel Chtj dtCakEshg . niyay
eGaycMFA temTajenHRTU)anTTV ykedayGkIk; -kskr ; nigGkTij -GaClvkrmaslknRsUQJk
kNpl ; ehlyminmanGbuhar (margins; minsmRsbNamlyRtU)anEnmeTaeGayBkekeLly . ehtu
dtbenH eKgacniyay)anfaGtPaBenTpSarRsUebkcLhmanRostPaBenAkjkarbeglt temsmRsb .

tamry³kardkCBaRslmanKINPaBI bpldt RostPaBenTpSarRsUebkcLh RtU)anBaakeday
KINPaB . enAeBI bBaBkMagsakI ,g RslRbEhI Ca 70°EdI RtU)andkecj BtpSarRsUebkcLh
KvRslEdI manKINPaBI bpldt . TpSarRsUebkcLh)anTTV eCaKCyenAkjkarbegltTpSarRslman
KINPaBI bpldt eday)anBnül BpI RoeyaCnEdI eKrtgTkrBRSURbePTenH dI maseragmaslkn
RsUQJkNpl nigkskr .

⁷ PaBxskanKlMlKlMaysarsAnPaBakBngéptlaldI TPBmanRbBRSacsB kaman/minmanpúfil ;nig>kasmankargareFkKls
KbPbmlyeTAPbmlyeTot .



rd 5-5 ³ CMJ dRSmnKINPaBI bkbedayPaBRtmRtU nigmansmFm

rgüS;TmRtmRtU : nig KINPaBxs; : Kwakmüjcl krenAkükcRtbtksars;TpSarSuebkclh . TpSarSuebkclhRoQmngkarl MakCamYngTpSarSuebkclh manRsab; BeRBahüCaGkflü bünpedm,GacTTV yk)annükarRoQmenH calYacRtumanvFisaSpFiplyepSgBvFisa®SpFmTaeüI nignal mknüü kN³I YajkarRömlü nigkardkCBaüRsu . vaKWrgüS;TmRtmRtU : nig KINPaBxs; : EdI)aneqlytbeTAngPaBcaYacenaH ehlycMctajBrenH KwaktEdI minGacxü)aneRöbdtCakgLa nmyKbdcaHedr edm,eFkGayTpSarSuebkclhdNtkar)an . rfyntpos;TpSarSuebkclhGac dNtk)anrl üeday Sarkg;TajBr . dñcl RositPaBéng;TajBr KWrgüS;TmRtU : nig KINPaBxs; : Rtü)anbBaükc,as;I as; . eTahCayagenHkpenAküjéBI CamYKäenHedr edm,eGaykg;TajBrbnpi calYacRtUkarfvkaerchsRmabcNay .

K ; RositPaB (efficiency)

enAküjkarvaytM RositPaB KktüBnitiemll pl itPaBenAküjklügeBI Rotbtksarsakl ,g bktü EdI FnFanRtU)andakbBü edm,ERokayCal Tpl PaBRkbRkanénmeFia)ay vFisa®sp eBI evl a nigkarcNay . kktüRongERogxs;bnitRtU)andakclü eTAKüjRotbtksars;TpSarSuebkclh bünp RositPaBenAmankktüTab . enAküjtlndEdI RkbNüpedayKürag sanPaBI MakedaHsayekitman eLg ehlysanPaBTajenH GacCabBaüEdI RtU)anCbRöTHTÜAenAküjtlndéTetoküRoetskmCa . enHmannyfa edm,eGaymankardakecj nÜynkarenH)aneBjel j eTAKüjsgänkmCaTajmü KktüEt eFkKüragenHmanRositPaBResreLg yagehacNaskéü Rtmkktü EdI TpSarSuebkclhGac RotbtksaredayÉkraCüEpkel mü danEdI kktübnpaBI bcbü,nü.

i;rcnasmküjRotbtksar

RbCaCnkmGamin)ancU rineGay)anRkBRkanET enAkjgkargardjal BeRBahmnpBaNCkmpuig
mnikskkmpmGaccat,tajbka keFikareBj emag eGayeFLashnaykcatkarTETA ehlyRkmGk
skSaSaRCar RtUobBj tharCanaykcatkarTETA . eTahbCamgar nigthaTbs;TpSarSuebkclh
RtU)anbgaj yagl Rbeskeday EtkarepCMaj becReTsRotttkar nigkarRkBRgminRtU)anGntp_
RokbedayRositPaBeT .

mxdMNgcmlh 3 -enCMYkar ; GkRkBRKg⁸ RtU)anpasbpbogCamFimenAkjgry³eBI Rtm 15
Ex . enAkjEpnkarN₅skmPaBrbs;TpSarSuebkclh caVatRtUcatvFankarNedm,eCosvagklGay
mankarpasbpb BeRBalkarpasbpbEnhalI mankarxatbgechNas; dtCabBaenAkjgkargarRocafq
kareRCismnsSeGaycu kantMNgeDI enAThr nigkarbNpbNpl Gkcu flp

ii; pl itPaBrbskmkru

Rosnebbka kRtVbnitipal ; CV kmkumak; ehlydg fakatxll eFikar . eBI enal bka kenakY
eFkGayKat;l arEl gBdMNgeGay)anqabrhis tamEdI GaceFLTA)an . enHKWakarSnidan EdI)aneFV
ekayBmankarGegatpal el kmkEdI cheTaeFikarenAtammU dan . kargarcMgbrbskmkruTajenakW
RtUomU RsUBPbhinghal vaGayS¹enAkjgbrvN²Xedj . nimpPaBenkargarbs;TpSarSuebkclhKW
Epkel kargarRomU nighal RsUbrbskmkreTAtanEpnkarN₅ . eTahbCayagNakeday kmkCaerch
nak;minmankM atjngmaRkBRkanedm,RotttkarmlyefEbj)aneT .

ekayBkarGegatpal enAkeNgeFkargar eKreXlj fa xN³EdI kmkPaKeRch)anixtXefikar
KWankmkrRohI 1PaK3 GaceFkargaryagskmpBj myefTmby . pl itPaBenkmkru 1PaK3
deTeTot KWychyagxatjenAkjgeBI resol BeRBahBkeKminsumankM atjkaymamlh . Gacniyay)an
fabKeKGskM atjrhidI minGaceFikareGaymanRositPaB)an . enAeBI resol smtPaBKitrbsBK
ekK³ychUedr ehlyBkeKminGacrkeXlj nWFI nigEpnkarN₅kargarRokbedayRositPaBeT .

kmkEdI enAsI cmlh 1PaK3 eTot minmankM atjkayRkBRkanedm,eFikargarenATpSarSuebk
clheT . enAkjkarRomU RsU kmkrtU) avRsUedI manTmffeI sBI 60 KL BkamenAel IsarbsBkek

⁸ enAkjKmagakI ,g ebkEnGkRkBRKg RtU)anCV kuzan³CaCMYkarGkRkBRKg edim,bNpbNpl CaGkRkBRKgEpknimy² . Bkek
RtU)antMLgzan³ CaGkRkBRKgenAeBI skSaCMaj caVatrt tanry³karbNpbNpl tankargapal ; .

ehlyeLgkaDeNpeccatedm, bakenAel rfynp. kmkrul PaK3cgefkayenH minGacefKargarenH)aneT .
 kmkrulEd I minmankm abRKbRKanedm, ll DarSU)anBiayameFcaGkebkbr⁹ Caynkarl nigGk I k; .
 CakarBit vamanRoeyaCnxatjRbsnebkmkrFmfaGacTTV)anCmaj EbbenH . EteTahbCayagNak^{3/4}
 eday KapkargarbecReTSNamlyEd I RtUkareBl evl aeBj mlyefqATpSarRSuebkcLh enaHeT . eh tu
 dtenH kmkrul I echEtKargarbecReTSKMinRtUkareTenATpSarRSuebkcLh . TpSarRSuebkcLh minman
 I TPBCV kmkrul I minmankm abkayRKbRKanedm, ll DarSU)aneLy .

iii; karENnaabRebbeR)as:]bkrN_nigsmä³

]bkrN_nigsmä³PaKechEd I RtU)anykmeRbenATpSarRSuebkcLhKMinPaBch)ac; minGac
 xU)ansRmabskmPaBnmly² . RokarEd I GacbeglnUp I itPaBenkareR)as:]bkrN_nigsmä³Tatj
 enH)anRtmNaenah KWaRsyel KmitpjepprbsbkA k . enAeBl ykrfynp I kdak:Thij mkeRbdldg
 Cmaj rbsGkebkobrenAexSay cNkÉkmkrulEteTotQremll masnfpuH eday\tkMkèdeCg . Bmn
 mk BkeKminEd I)aneXj rfynpBePTenHeFkareT . binpenAküry³eBl 6Ex BkeKminRtmEteronech
 rebobBarfynpnhbeNHeT EtEfTatj)aneronBrebbeFkargarRokbedayRosilPaBedayerR)as;
 rfynpnhetotpg .

rfynpThij KWameFia)aydkCBaEd I niymCageKenAkürtlInRKbdNp; edayTpSarRSuebkc
 Lh binpankar I YakeR)asrfynp adenH[manRosilPaBenAel plüküPthi . enAkürdlwsa rfynp
 eR)asedayTpSarRSuebkcLhEtgEtCabpgenAtampüdl . RkündkCBaEdEtgEtCbRbTHsAnkarEd I
 hakbldCamankar I YakngGayrfynpnpTAmx . enAeBl Ed I emRkmminc,asfa Gacqgkat;)anenah
 RkmenHngminRtU)anGnBafteGayeTAmxeToteLy . karCkdbakel plüedm,BRgüepbosya karj
 rfynpBakay kardak:Thij nig kmkrul nigkarbpeTAbrel püf[KWa]bsKAnychLhEd I GacCbRbTH .
 eTahbCayagNak^{3/4}eday enAeBl BkeK minR)akdkücitfaetBkeK(GacbnpTAmx)an BkeKRtUcatvFan
 karNRKbyagTatjGsrhUtal EtGaceF)an .

X | \TBI (impact)

⁹ R)akebortSrbsskmkrbnsEd I cNlayedayTpSarRSUkMinchM 8-000erol ¼efqngbrsGkebkbr KM 2-000erol ¼efq, ebBicarNæTA
 el kargar R)akebortSrbssGkebkbr(Kicat;TkCa)akExrbskmkrFmfaGacTTV 8-000erol bknngR)ak]btthGkebkbr 4-000erol .

enAküjkarvaytémøI NTBI rbsKllag \TBI vCman nigGvCmanEdI RtU)anbeglitELgedaypäl ; bedayRbeyal tamry³karGnutpKllag RtU)anBhitiemll . skmPaBnanaenTpSarRsUebkcLh Kllsb CamYngCvPaBrbsGlrSenAküjmu dan ehlyCamU danKllFedayepäl ; . el kEl gEtGkRkbRkg ecj bKll kTajGsrbs;TpSarRsUebkcLh KllstCakskrmkBlitLhCitxag ehlyBkeKPaKechCaGk eFRsvsSa . eKacsegpGllNTBI CavCmanénskmPaBTpSarRsUebkcLh fa va)anpasbptmabEck cayRsUfMfænAküjtLhEdI RtU)anRkbdNpedayTpSarRsUebkcLh eGayeTACakarEckcayman I kN³RtmRtU nigRokbedaysmFm . cMnkÉ \TBI GvCmanvij KllanEttul iPaBcMnayminTan; sllc)anbøNll kllnkareFlRbestelgnUcllcnH Kllal kN³EdI tRmU[manCannstllb; nlnpPaB nigkarGPiDAnTpSarRsUebkcLh .

i; \TBI eTael karbeglitEpnkarNGPiDAnTpSarRsUebkcLh

tamry³karGnutpKllagsakI ,g TpSarRsUebkcLhel kdlldjenAküjRbeT skmCaRtU)anbeglit eLg nigdak;[Rotbtþar . enHmannYfa EpnkarNGPiDAnEdI BhmstlenAel ItRtU)anERokayeGay eTACakllitCakEsgj . PakBakBllanyl dngBskmPaBCakI ak; mægar nig sar³sManenTpSarRsU ebkcLh eday)aneXlj CakEsgjBrebobEdI TpSarRsUebkcLh)anRotbtþar . enAcgExkmø qæ2006 RksYBaNCkmp nigRksYkkskm)ancabepmskmPaBCakEsgj edm,bnTpSarRsUebkcLhenARskstl Gnp nig)aneCserlsnaykRotbtþakeGaybeglitKN³PakgarRotbtþardknabdayGgkarekArdaP)al . cI nabnþnb;TajdenHmanPaByWyavNas; bllnþKminGacbdiesFn)aneT eRbatenHKWafPaBenAküj RbeTskmCabcbø,nñ.

naykrgcatkarTøTænTPakgarEckcaykugRskrbsRksYBaNCkmp)anmkeFlsSn³kicEnA TpSarRsUebkcLh ehlyKat)anmanRosasnfa karCEckedj eedal CaerchRtU)aneFV GllbBaæCaerch TakTgnngkarEckcayRsU ehlyr)aykarN_CaerchRtU)anerobcM. bllnkannrNamakHanykEpnkar EdI)anerobcMTeTAGnutpE . edayeXlj BrebobEdI TpSarRsUebkcLhRotbtþarenATenH eCCak; fa erGgsManKWRTUetykEpnkarGPiDAnTpSarRsUebkcLheTAGnutp: . \LüenHKatsvnrénGgkar eRkArdaP)al EdI eTbbeglitFlpysRmab;TpSarRsUebkcLhstlyGnp . kicRotbtþarTWexABNRkHm (red ink operation) rbsKllagsakI ,geFlkargaredm,eFl PaBakBllsmankareCCakBesckRtUkarCa bllnllEpnkarGPiDAnTpSarRsUebkcLh .

miageTot CakarBitEdI fa KMagenHminEdI TTV)anR)akcNj eLlyenAköjKllögeBI sakI ,g EdI eR)as\TBI GvCmaneTAel hinhPaBénTpSarSuebkclhshyGnp kälCal TPaBénEpnkar GPiDAnTpSarSuebkclh . I TPaBGacrK)akcNj)an KWatMkardacxatmySRnabKMGaCivkmµ EdI GaceFTA)an . TpSarSuebkclhshyGnminEmnCaKMagmyEdI RtU)anerdocMLgedm,bgäj BI skmPaBeTbEnpvaCakarRsaRCavedm,bFKarepöpatmy Epkel karRsaRCaBnitül TPaBGaceF)an . dëch EpnkarhiBaftKVEtmanPaBRtmRtU edm,bGayvaRsbngskmPaBCakEsöj .

ii) \TBI el kskr

eyagtamkarRsaRCaEdI RtUeFCamlyngkskr vahakbldCafa kskredI ykRsurbseKeTA I kenATpSarSuebkclh Gacl k)anköjt 4° xsCagtM Fmja. eRkABkarekhÉktatM GkeRoi TpSarenH TTV)ankNhtMfjedaysarkarf)anRtmRtU . vanankarI Yakköjkar)anRomaNGM kNhtMfEdI)anTTV BkareR)as;TpSarSuebkclh BeBahaTTV \TBI BktCaerch dtCaBGk RomU RSU RbePTBC KINPaB eBI evI a nigtlh; . eTahCayagNaköday edayBcarNaBkarekh eLgÉktatémek)an)anRomaNfa yagehacNaskkankarekheLg 5° el lSBltM I kFmjaedr .

brimaNRsuRomU)anenAköjtNakkal TBrenATpSarSuebkclhshyGnp KllanchMh 2/471 etan ehlytM I kFmjaKW292 erol köjmyKLLkam tamkarRsaRCaEl GkeR)as;TpSarSuebk clh ; . ehtldtenH ek)an)anRomaNfaTkr)akclh 60/787/000 erol RbEhI 14/935 dil or ; EdI RohakRbEhI ngkNht 5° dt)aneBal xagel I-492' KRk x 5° x 2/471 etan ; KwaR)ak; cNj päl EdI RtU)anTTV edaykskredI eR)TpSarSuebkclh . cMhTkr)akEdI RtU)an)ansapu enH KbhakRbEhI ng 68° én»nPaBsröBRotbt kardNakkal TBr . edaysarclhGkeR)as; CakskrenAköjdNakkal TBrRtU)an)ansapananRbEhI Ca1/911¹⁰ dtëch R)akcNj päl CamFümköj kskrmakKllanchMh31/800erol -60/787/000 ÷ 1/911; . R)akcNU clh 31/800 erol enH KW RohakRbEhI ngR)akQÜ clh 5 éf)pskskredI TTV)anGtRbeyaCn¹¹ .

iii) \TBI el GkRomU RSU

¹⁰ cMhLüEdI catEcgenAköjdNakkal T2 Kllan 3/058LüehlyPaKryenkskreR)as;TpSarSUKllanchMhBrdg nigRtU)ansn)man cMh 60° -epkel karstpbBbkl k ; . dtëch 3-058 ÷ 1-6 = 1-911 kskr .

¹¹ R)akQÜ rbskmkcltCmaj KW-000erol eTA7-000erol CamFüm enAköjPbienAtMhEdI TTV)anGtRbeyaCn_.

enAkjg tlnEdl TTV)annUGtRbeyaCn_ R)akcINU BkItEcgsarrbsGkrRomU RsU RtU)ankat;
 bnfyedaysarbrimaNRsUCy dtenATpSarRsUebkcLh . enHGacCa\TBI GvCmanclBaHBkeK kbEnpa
 hakbdtCaKapGkrNamakenAkjgcbNamBkeK TTV rgnUkarxatbgFfFf) edaysarEtkarfyctd én
 brimaNRomU RsUeLy . enHKWdaysarEtGkrRomU RsU\TahaH GacpasbptlnRomU RsUrbsekyag
 gayRsU ehlyvakimankargayRsU sRnabBkeKedm,bptARomU Tij pl itpl deteTotvij pgEdr .

karpasbptPakeRch Edl TpSarRsUebkcLh sdyGnp)aneFbGayekltmand I ;Tm abRomU Fmfa
 rbsGkrRomU RsU KllanbdtxageRkam ³

1 ; Btmantém³ téménAel TpSarRocafFf)dl RtU)anpSBpSayedayTpSarRsUebkcLh eFbLg
 edm,eGaytémTij esKainigkarBarkbGaymankarklNt;témninsmRsb .

2 ; karebCBabjbg³ GkrRomU RsUenAtlnCitxag eFkarfygRsUenATkEngrbskskrpbl enAeBl
 edlRomU Tij RsU edaynalykCBabjbgdak,tamrfynpikCamly dtCaRkRmRomU
 RsUrbbs;TpSarRsUebkcLhEdr .

3; bpxlTij ³ QjLenAtlnCitxagmkTij RsU edaymaneFbpxlTij enAeBl dtkCBabRsu
 ehlyRokl bpxlTijhateAeGaykskrEdl dtkRsumkl k;[xh] .

edayehtifa karpasbptAjjenH)ancabepmedayGkrRomU RsUenAtlnCitxageRkayBhan
 skmPaBrbs;TpSarRsUebkcLh dtcheK Gaccat;tkfa KarpasbptAjjenH Kdaysar\TBI Edl beglt
 eLgedayKllagsakl ,gbeGltTpSarRsUebkcLh .

ix; \TBI el GaClkrmaslnkinRsUQjLkNpl

maseragmaslnkinRsUEdl erbtTpSarRsUebkcLh GackatbnfykarcNayel karkin edayerbRsU
 manKINPaBl bpt . kllslnNmenRsUsmRsb nigkMcvtpSg²mantictt Gacnall karkatbnfy
 eBl evl aknrbsmasln . mankarl Nakkjkar)anRomaNnupl cNj Edl TTV)anedayQjL
 kNpl Edl erbR)as;TpSarRsUebkcLh BbBaH Tpl énCmly rbsBkeKTTV n\TBI BktpCaetch .
 ebBnitieTAtamclhQjLidl erbR)as;TpSarRsUebkcLh nig\riyabTrbsBkeK vahakbdtCafa BK
 eKTTV)anpl cNj eRchdtCaGaClkrmaslnkinRsUGBaEdr . BkeKGacQbeFcmly RsUenATpSar
 RsUebkcLh RbsnebBkeKminTTV)anpl cNj eTenah . kbEnpakEsj BkeKkBgbnp nigBRgk
 GaClkrmpbsxhCamlynigTpSarRsUebkcLh .

eyagtanm⁸seragmas^hkinRsUedI eRbR)asRsUti³ tamry³TpSarRsUebkc^h K^hWacbn^hkyar
 c^hNay)anRbmaNca 10° edayeRbR)asRslmanK^hNPaBI b^hl^h . témkinRsUenAs^htyGn^hPKW200
 erol k^hym^hKL^hÉkam . edaysn^htfia PaKryénk^hlt^hc^hNj rbsm^hseragmas^hkinRsUKW10° d^hÉh
 pl c^hNj -karkatbn^hyc^hNay ; EdI TTV)anedaym^hseragkinRsUedI eRbR)as^hTpSarRsUebkc^h
 K^hWÉhI Ca 18 erol k^hym^hKL^hÉkam -200^h KRk x 90° x 10° ; . brimaN^hRsUedI RtURbm^h)anenA
 k^hgd^hNakkal TB^hK^hWanc^hM^h 2>471 etan . d^hÉnH pl c^hNj p^hl EdI GaCl^hkrmas^hkinRsU
 -Q^hjkN^hpl ; TTV)anenAk^hgd^hNakkal TB^h KW44>478>000erol -RbÉhI 10/928d^hl er^h ; -18^h¼
 KRk x 2>47>000KRk ; . c^hh^hT^hR)akenH K^hW^hhakRbÉhI ng^h»nPaBBakkN^hpl énd^hNakkal TB^h .
 c^hh^hsr^hénp^hl c^hNj p^hl rbskskrEdI TTV)anG^ht^hR^hbeyaC^hn_61I aner^h ; b^hknig^hc^hh^hsr^hénp^hl
 c^hNj p^hl rbsGaCl^hkrmas^hkinRsUQ^hjkN^hpl -44 I anerol ; K^hWan 105 I anerol -RbÉhI
 25/799 d^hl er^h ; . t^hYel xenH K^hW^hhakRbÉhI ng^h 117° én»nPaBSr^ho .

-g^h ; n^hrn^hPaB

enAk^hg^hkarvaytém^hl karG^hPiD^hAnmans^hY^hn^hrn^hPaB K^hWankarB^hnitiem^hl edayeptel l^hY^hn^hrn^hPaB
 énK^hMag faetpl c^hNj EdI K^hMagenHTTV)an GacrK^hS^hng^h)anE^hdr be^hT enAerKayB^hbBa^hR^hotbt^hkar
 sakI ,gen^h? . ebB^hnitiéT^hAel l^hÉnPaBenAe^hBl bBa^hR^hK^hMag^hsakI ,g EdI e^hBl ena^hl 1^h ; k^hic^hR^hotbt^hkar
 T^hex^hAB^hhm^hk^hg^hbn^h 2 ; m^hnTanmannayk^hR^hotbt^htt^hU)aneRC^hiserseGay^hcl^h kand^hM^hNg/ nig 3 ; zan^h
 Careb^hobR^hkm^hh^hminTan)anbeg^hl^heL^hgenAe^hL^hy/ eK^hGacniyay)anfa I T^hPaBénkarG^hPiD^hAnmans^hY^hn^hrn^h
 PaB^hrs^h ; T^hSarRsUebkc^h K^hWank^hlt^hTab eh^hYn^hrn^hPaBénR^hotbt^hkarminR^ht^hU)anFan^hæL^hy .

;^h ; b^hk^hA^h krbs^h ; T^hSarRsUebkc^h h^henAs^htyGn^h

G^ht^hl^hG^hk^hC^hh^hY^hkarRsav^hRCav^hY^hek^hg^hm^hkrbs^hR^hkm^hsk^hS^har^hRCav)ankand^hM^hNgCanaykcatkarT^hÉTA
 rbs^h ; T^hSarRsUebkc^h h^henAs^htyGn^h . Katmankary^hl dg^hR^hk^hb^hR^hkanB^hÉpnkarbeg^hl^hT^hSarRsUebkc^h nig
 manc^hN^hH^hdg^h nigbT^hB^hésa^hF^hn^hÉp^hkr^hd^hæl . \L^hU^henH Katk^hg^hxit^hÉ^hB^hareF^hGay^hR^hes^hd^hI s^hÉnPaB én
 kargarr^hd^hæl EdI enA^hÉ^ht^hC^hakargarr^hl^hYak . d^hÉh^hl^h eK^hR^hg^hfa kargarrbs^h KatCanaykcatkarT^hÉTA nigman
 karekheL^hg .

e^hT^hh^hCayagNak^hÉ^hay Kat^hminGac^hR^hk^hb^hR^hgT^hSarRsUebkc^h h^henAs^htyGn^hÉ^ht^hm^hakÉ^hg)ane^hT .
 yagehac^hNas ; ca^hYacR^ht^hUmanG^hk^hR^hk^hb^hR^hg^hch^hh^hB^hmak^h s^hh^hÉp^hkr^hR^hk^hb^hR^hg nigÉ^hpk^hT^hSar ebe^hT^hh^hCaB^hkek

ephtskmPaBrbsxüeTael hirnpAbénTpSarSuebkclhkdlay . enAeBI CamlyKäenH KatkKän;
dMNgCaGkRkbRkgEpkmaXFhpggEdr . eTahCayagNakéday karCVI -Cmlykar; GkRkbRkgenAet
minzitefr)anyteLly . GEdI GkTajjenahGaceFyan KMTV bnkargarBGttGkRkbRkg edm,eCosvag
bBaçhBaRtbttkarRocafFEdI bNpl eGaykargardaal KapRositPaB .

vaCakarçh)acRtepekteKal edAel IsinPaBkargar EdI eFEGaykmkdrl 7bnpFkargarry³eBI Evg
BERBaH smamakténkmkdrlEdI enAeFkarCamlyngTpSarSuebkclhel IsBI 1 qamKManRoEhI 10° .
bEnp bBaénHminsUCAfFfFfT ebeRdobeFobCamlyngbBaBakBhngGkRkbRkg BERBaHkargarbs;
kmkmminsUmankarI yak ehlyGkclNU ffacEstgyI BkargarmU dan Etköry³eBI Brbëf¶.

ii; GaKar brker nigbecRvCáénTpSarSuebkclh

mankarFanafa RksyBaNCkmCvGaKar nigbrkerénTpSarenah eTaeGayGgkarekArdaP)al
EdI kRgeFrotbttkarTpSarSuebkclhenAsthyGnp . RksyBaNCkmKlNamS GaKar nigbrkerTaj
enah . becRvCáEdI RtU)anykmkeRb)asenAküKMag sakI ,g RtU)anGnutpdaybKl kkgRsk)an
yagl Roest . sm³EdI RtUkarsAmabbnRtbttkar RtU)anFanatamry³karGnutpKMag sakI ,g.
bKl kRtUEkI [kanRoestelgnurebdrbbeFkar dtCa karBinitüGegatclmcepSg² nigkarktRtakar
vasEvglfng nigkarBcarNaGblcNayel karEftajlbrNca)lacnanaCaedm . BkeKRTUtepepel karkat;
bnlycNaybenfhetot .

iii; RotbttkarhiBafténTpSarSuebkclh

eKkayBkarbeglitGgkarekArdaP)al TpSarSuebkclhGacTTV)anR)akclNU ca)lac; tamry³
karI kRslsçkTikEdI)anRbml enAküry³eBI dNtkarkMag . BkeKngRbQmmxngsinPaBF¶F¶
enAkürdlRbml pl xagmx faetBkeK GacRbml Rsl)anbeT edayrkSa)annlul iPaBhiBaftö. Rosin
ebitl iPaBhiBaftöBraCz BkeKminGacFana)annlufvkarSAmabeFrotbttkareT EdI manlyfaCacgy
bBaénRtbttkar BERBaHkarKantEpkhiBaftöSaFarNminTanRtU)aneKagenAeLly . ehtenH BkeK
RtUetbnkargardaa)enedaykGINTsAmabeBI bcl,nñ EdI RtUkhitkarclNayenAkürggR)akclNU
Epkel EpnkarhiBaftötmRtUkhitxs; nigbnkçitxnb)egbeghRositPaBkargar .

5>3 karGnutpkarRomU nigdkCBaRsuWkaCashKmedayRknkskrenAskkeBac extpBEvg

5>3>1 eKal bNIngénkarRomU nigdkCBaRsuWkaCashKmedayRknkskrenAskkeBac extpBEvg

- 1 | beglR)akcNU rbsRKYsarkskr tamry³ kardkCBaRsuWka edayRknkskr .
- 2 | BRgymedjccrcartU rbskskr edaypI eGayBkeKnl»kasTTI)anTBesaFnSBI karfng)anRtmRtU nigkarkmt,témodayEpkel KNPBRsU .
- 3 | Tij CEI mansutPaB)anRkbRkan; tamry³karGnutpkarTij CHnKä .
- 4 | beglbrimaNRotbtjkarbs;TpSarSuebkchenAshtyGnb .

5>3>2 skmPaBRomU nigdkCBaRsuWkaCashKmedayRknkskrenAskkeBac extpBEvg

Rknkskrniny² RkbRkgRtbtj kardkCBaRsuWka edayÉkraCü mankarRogRoyZaBalkareRCs erlsGkTij nigkarselmGmtém k; . enAtancNucRomU RsUedI RtU)aneRCserisenAkjPthinmy² KllanbifRokasBtmanspItémRsunAel kprRokasBtman .)arSU nigsNakKNDkRtU)andaktatj bgäj enATenahpgedr . Rkúniny²rkSatknukNtRtasBkarI kRsunigkarTij CI . kýmlyqäKktag enHmanekal bNIngI k;30° énRsuS I BitRmUkareRbR)as; tamry³TpSarSuebkchen .

5>3>3 I TplénkarRomU nigdkCBaRsuWkaCashKmedayRknkskrenAskkeBac extpBEvg

31°énbrimaNRomU RsUeKal edA -RbEhI Ca 770etan ³ 30° énbrimaN)ansapsI BI tRmUkarenAkjtdneKal edAkjgqä005-06/ 10/4° énbrimaN)ansapsI BitRmUkar/ 2/5dgerch CagenAtMindéTeTot ; Bitkdn;TajjenaH RtU)aneFotbtjkarhttdI cgyExmifnaqä006 . enAkjry³ eBI d30 karRomU %BaRsuWkaCashKmedayRknkskrGacngmanRositPaB . edaysarrdu RomU pI RtU)anbBaB; \LüenH karTij CHnKakBgddNrkar . RknkskrRtUkarkarENnaBRebdo RtUotbtjkarénAkjgeBI GnakT .

-1; smamaRténkarCÜ rihkgyKktag

smaCkénRknkskr nigchhRKYsarTajmU Kllanbgäj enAkjtaragdtxagerkam . smamaRt srbénsmaCk eFdonngRKYsarTajmU KVB2° xsCagsmamaRtekal edAedI)ankNtmanchh 30° . smamaRt énPthiRBkt,al nigPthickk; KllcCag 20° . PthitajBrenH hakdtCamankarI Makng

erdbc Qik Pthi BeBaHp Hrs Bk ek tadj en Adac BKä . kZEnp cMh smaCk man RK b RK an s Rnab kard h CBän r h Kä .

tarag 5-9 ³ smaRtén smaCk Rkm e fdbng RK Ysar Tajm

XI	Pthi	smaCk	RK Ysar	° _i
cg GBI	Baerag	30	73	41
	dBt, al	34	294	12
	cllk	37	242	15
fRth	ebg	78	208	38
	eqs	146	241	61
	RbH nbs tı	88	222	40
	srb	413	1 280	32

-2; karFakclén e f Qü e) akRSU

kskr Gackatbn Rytéma) akRSU el ls Bl 20° en Aküj kare Rb mashe) akRSU r h Kä . eyagtam I Tpl énkar Gegat CamU dan é f Qü e) ak Cam Fim KW 1/29 Ed I man Y fa kskr RtU etbg CaRSU cl h mlyetA¹² s Rnab RSU Ed I e) ak) an 29 etA .] Tah r N_ smaRtén e f Qü e) ak Ed I man Rsab; KV B/4° én RSU Ed I e) ak) an . Rb sheb Éktatém RSU es hpg 540 erol küj mly KL Ékamenah téma) ak KÜ s hpg 19 erol küj mly KL Ékam -540/29; .

en Aküj KÜ magsak l , g mashe) akRSU RtU) ane Rb) as r h Kä en Aküj Pthi mly² eday Kit e f Qü 1/25 Ed I es hpg 2/9° én RSU Ed I e) ak) an . Rb sheb Éktatém RSU es hpg 540 erol küj mly KL Ékamenah é f Qü e) ak KW 15 erol küj mly KL Ékam¹³ . dte h é f Qü e) akRSU RtU) an katbn R 4 erol Rk . PaB xis KÜ KÜ manc h 21° é né f Qü Ed I man Rsab; Ed I xs Cags mamaRte kal ed A Ed I) an klt; 10° .

-3; karGnutp kard h CBän r h Kä

-k; kard h CBän r h Kä tane Bl klt; (perirodic joint shipment)

en Aküj kar BPak Sas Bk are Ftpnkar N d h CBän r h Kä smaCk Rkm kskr) ane s ts Üp Sar RSU ebk cl h [e f k ar RomU RSU y t² mly . Tp Sar RSU ebk cl h) an se Rmcb Bän r fyn pl h RSU mlye R (gen Aero gral é f R) Rbhs, t x ed m, boly t be TAng kares ts h h . Tp Sar RSU ebk cl h nig kskr) an Gnutp Ftpnkar en Hen Aküj ExkmÜ qü 2006 . eytg Gaccat; T k me Fia) ayen Hfa Cakard h CBän r h Kä BeBaH kskr Gac I kRSU rbs;

¹² en Aküj es va) ak Ebn et A Ed I e f GBI ah Fatu RtU) ane Rb) as s mlyal RSU . et AGaccak) an RSU Bl 16-19 KRk .

¹³ en KÜ e f Qü e) ak Ebn rbs; Tp Sar RSU ebk cl h .

BkeKrihKäTAtaméTpSar . kardkCBaürhKäTAtameBI klt; k?MknUpI cNj dI ;TpSarSuebkc
 clh j pgEdr tamry³karbeghbrimaN RomU RsURokbedayRbsiPaB .

kskrdkCBaürSurbseKrihKätanéFRTNt; edaymankarfjRtmRtU nigtésmrmü . BkekGac
 cNj eBl evI aedm,Estjrk nigehAGkRomU RsU . TpSarSuebkcclh(74TV)anpl cNj pgEdr
 tamry³sll RomU RsUEbbenH . bKÁ kGacRomU RsU EdI)anrgcaMkRomU nigRtU)anRck)avCa
 eRscedaykskrogral s)ph_ . eKGacemil eXlj yagc,asnUkarccNj eBl evI asRmabkardk
 CBaürCaRkm ebeRbodeFobeTAngkareFRTNtRomU RsUedayKapTisedAc,as;l as; .

-x ; kardkCBaürhKäCaRkmtt²

enAküPthicllhbl emRkún nigRoFanPthi¹⁴)aneFtpnkardkCBaürSurbhKäCaRkmttömy . kardk
 CBaürH KllanblNgedm,RomU BtmanrbsGkTij eRCiserisGkTij EdI I RbestCageK nigrcrcarCa
 myGkTij edm,ll kRsurbSBk)antémxsbpht . manRkúnclh bh RtU)anerdobLgenAküPthi atjbl
 enah ehlyRkmclh bh)anTTV eCaKCyenAkükarl kdtRsurbSBkek)antémxscagFmjtai . ÉRkmcg
 eRkaymineBj citpigtémenah EdI bgäj edayGkTij ehly)anseRncedm,rgcaMkareLbgéø.

taag 5-10 ³ karGnutpkarbBaürSurbhKäedayRkmtömy

XM	Pthi	smaCk	brimaN t;	CMIs -TpSar Rsubkcclh;	clheTA	RbePTRSU
cgGBil	Baerag	13	4/0	3	TpSarSuebkcclh	clh/s thal I
	clhk;	5	2/0	3	-	clh/sudNB
fRth	eqls	4	5/6	3	TpSarSuebkcclh	clh/sudNB
		3	5/0	3	GkRomU	ktRSU
srb		25	16/6	12	-	-

-4; skmPaBénkarEkI KINPaBRsU

eyagtamGkRKbRKgTpSarSuebkcclh LURsU nigsmamartTmfjénRsumanKINPaBxs; EdI man
 klt sNhmBl 13/5~15/0° enAküPthicllh 6 KllanRbEhI Ca 30° . smamartdtKäenAkütlh;
 eKal edATajmU rbs;TpSarSuebkcclhKllan 15~20° . témTpSarclhBfRbePTSklbRsUEDI man
 KINPaB :I Rbest : nig :I ¥: RtU)anbgäj enAel kprBtmanenAtamedbRomU RsU . bKÁ krbs;TpSar

¹⁴ RoFanPthi/Baerag nigclhk;mant thATCamRkmenAküKllagenH .

tarag 5-11³ tarag RTIsbgKMagSibkabBaRsuWkedayRknkskrenRskkeBae

eQ³Mag³ kardkCBaRinKa edayRknkskrenRskkeBae
 ry³eBI³ ExFija³005 dI ExkmOpa³006 tMnGnutpKMag³ XMagGBil nigXMPu RskkeBae extpBEvg
 RkneKal edA³ kskr GkRomu Rsu bKA krbs;TpSarRsebkclh

tarag RTIsbgKMag

kal breca³ ExFija³005

BBTnasegb	sdnkrEdI Gacepypat)an	meFia)ayepypat;	karsntf,Man;
eKal bMngrin ³ eK)anepypateXij fa kardkCBaRinKa edayRknrbskskr KManRbeyaCn_ sRnab;TpSarRsebkclh	brmaNdkCBaRinCabkaRitMnKMagTakan;TpSarRsebkclhng ekhel IsBI770 etan	kMntRtaRomu Rsurbs; TpSarRsebkclh	Jb,tpTentfM I kardkCBaRinKamin manekiteLgeT
eKal edArbsKMag ³ GINacI kRsurbsRknkskrRtU)anel k kks; 1> tend krbsRsurRtU)anbegh 2> CMsrbsGkTij RtU)anbegh 3> eBI evl adkCBaRinRtU)ansnSM	1> tend kRsu enkardkCBaRinKa ekhel IsBitendkCBaRin Cabka . 2> CMsrbsGkTij RtU)anbeghmyberchCagenH . 3> eBI evl adkCBaRinKaticCageBI evl adkCBaRinCabka .	1> smaSnCamYngkskr 2> kMntRtaskmPaB 3> smaSnCamYngkskr	RknkskreRoras; TpSarRsebkclh

V-44

<p>1 Tö 3</p> <ol style="list-style-type: none"> 1> RkínbskskrsRmabkardkCBaürh KärtU) anercbCM 2> karCINayel kare)akRSURTU)ansnSM 3> meFia)ayénkardkCBaürhKärtU)an beglleLg 4> KINPaBénkarI kRSURTU)anel kkbS; 5> GkeR)asénkarTij CthKä eBj citp CamYngKINPaBrbsya 	<ol style="list-style-type: none"> 1> Cag 30° énsksrso cU rhenAküjKtragenH. 2> éfQü e)akRSUedayeR)asmashe)akrhKä)anfychl Cag 10° énéfQü EdI manRsab;. 3> kardkCBaürhKä RtU)anGnutpRSbtamEpnkar . 4> skmPaBEI KINPaBRStU RtU)anGnutp. 5> kskrCagBakkNpl EdI)anTij CthKä nigeR)asCl enalmankareBj citpCamYngKINPaBrbsya . 	<ol style="list-style-type: none"> 1> bBaSmaCkrbsRkin kskr 2> I TöI énkargegat CamU dän 3> r)aykarNskmPaB 4> smäsncamYkskr 5> I TöI Gegatandan 	<p>témRSU/GgimincdI qabrhsBkeT</p>
<p>skmPaB³</p> <ol style="list-style-type: none"> 1> kareCserisPthikal edA 2> karBnül ; nigBPakSaGmksarKtragsak I ,g 3> karcgRkgCakm énsksrenAtamPthikal edA 4> kareR)asmashe)akrhKäenAtamPthimY² 5> karsagsgedblomU RstUsRmabdkCBaürhKä 6> karpl BtmansBITpSarSU 7> kareFipnkardkCBaürhKä 8> karGnutpkardkCBaürhKä 9> karTij rhKä énCedI manKINPaB . 	<p>TudakbBaP³</p> <p><PaKcbn ></p> <ol style="list-style-type: none"> 1> Cthaj kar GkdlnakmKakal neya)ayTpSar -1nak; ; rcnasmKtSar)anRomaNcINayIKbRkg TkEng -1 nak; ; RbBtpSarWaytémKtrag -1nak; ; . 2> smä³nig]bkrNsrnabPthi -6Qit/ekrhKäenAküjPthimY² ; smä³sagsgedblleQl mü kprkaskBtmangmtpSar RkNattgBNexor CBajbg . 3> ekKgmashe nig]bkrNsrnabRsk -1Qit/ GaTPaBeR)asenAfakRsk RkbRkgeday TpSarRstlebkclh ;]bkrNyassmNm 2eRkg mashe)akRSU 1eRkg rfynpINhBt etan 1eRkg kERB@ErgmYshtb; RodabRtÜ BnitikINPaBRstimYQit . 4> pl BtmangmtpSarSU. <p><PaKkm@a ></p> <ol style="list-style-type: none"> 1> RkbRkgEpnkarTajmU edayKN³kmakardknaMargar . 2> pl BtmansBkardkRSU edaymnbkskmjduRomaj ; nigenSaTextpBEvg . 3> pl BtmansBkarEckcayRSUedaymBaNCkmextpBEvg . 	<p>PaBrstS³tk CthRTgRTayFM minmanekleLy .</p> <p>berI kxND³ PthiklenAküj tln; rbsKtragsman blNg GnutpkardkCBaürhKä.</p>	

-1; kar se (mc) ane Kal ed AKM tag

-k; etl t em d k R S U eday kardk CBa d r h K a e l s B l t em d keday d k CBa d r m a k ? E d r b e t ?

kskr m y c l h h) a n) a n R o m a N f a t e m B s U C a n F i m e n A T p S a r R s U e b k c l h K W s C a g t e m o s G k R o m U T i j F m t a B I 5 e T A 10 e r o l k o g m y K L U k a m . R o s n e b e y g s n t f a E k t a t e m o s p u g 540 e r o l k o g m y K L U k a m k s k r E d I) a n e b R) a s k a r d k C B a d r h K a y t p m g j G a c T T V) a n k a r e k h t l R s U B I 1 - 2 ° . I T p I e n k a r d k C B a d r s U c l h h 54 e t a n e d a y k s k r c l h h 88 n a k ; b g o j f a G k e R b R) a s ; T T V s A l p l c l N j e n k a r d k C B a d r h K a E d I m a n t e m s m r m u n g k a r f o j) a n R t m R t U e d a y T p S a r R s U e b k c l h .

e n A e B I s a k I , g k a r d k C B a d r h K a e l k d l l d j e d a y R k u n t t m y e n A k o j P h i e q s t e m o s ; T p S a r R s U e b k c l h E d I R t U) a n e R C s e r s C a G k T i j K W 510 e r o l k o g m y K L U k a m c l N k E t e m o s G k R o m U T i j B r n a k ; K W 500 e r o l k o g m y K L U k a m . G a c n i y a f a B k e K I k) a n e k h e l s 10 e r o l E d I e s p u g 2 ° e n t e m o F m t a i . d l t K e e n H e d r s m a C k e n A P h B a e r a g) a n I k R s U r b s B k e k t a m r y 3 T p S a r R s U e b k c l h e d a y t e m o 510 e r o l k o g m y K L U k a m c l N k E t e m o s G k R o m U R s U B r n a k ; K W a k ; T i j R t m 480 e r o l k o g m y K L U R k a m n i g m a k e T o t [E t 500 e r o l k o g m y K L U k a m . G a c n i y a f a k s k r G a c I k) a n t e m o l s 2 - 6 ° .

k o j k a r s a k I , g e l k T B r e n A P h i e q s s m a C k) a n e R C s e r s G k R o m U T i j m a k e F d a G k T i j B e r B a h K a t ; [t e m o s C a g t e m o s G k R o m U T i j m a k e T o t n i g t e m o s ; T p S a r R s U e b k c l h c l h h 10 e r o l K R k - 2 ° ; t l l e l s c l h h 2 ° e n H K W a l T p I e n k a r c r c a r t a m T h s B p E d I) a n e F d L g r v a g G k R o m U T i j n i g e m R k m 15 . e n A k o j G U L l o g e B I c r c a e n a l s m a C k T a j l b h a k) a n e T A C b C M a e n A p h r b s e m R k m e k e d m , B P a k S a K a B k a r l k r b s B k e K .

-x; et R k m r b s k s k r) a n T T V C M h s f l p y b e l s B e n H e l G k T i j E d r b e t ?

T m y T p S a r R s U e b k c l h K W a G k T i j e T o g T a t E d I R t U) a n B e n t e T A k o j C M h s r b s k s k r t a m r y 3 k a r d k C B a d r h K a t a n k a l k l h t ; . d r a b N a k o t b t k a r e n A e t b n p k s k r E d I m i n T a n) a n e R o l T p S a r R s U e b k c l h n g G a c d k C B a d r s U r b s B k e K m k k a n ; T p S a r R s U e n H . k s k r G a c e R b R) a s ; T p S a r R s U e b k c l h e d a y m a n k a r e C O T k c i t p B e r B a h : C M h j R o k b e d a y P a B R t m R t U n i g m a n s m F m : K W a e K a l n e y a) a y C a m l U d a e r b s ; T p S a r R s U e b k c l h .

¹⁵ e n A k o j k a r d k C B a d r h K a e n a l e m R k m i n b B a d r s U r b s ; d r h C a m y e t B e r B a h K a t ; m i n m a n R s U E d I m a n R o e P T B U R o m U e d a y s m a C k .

TBr smaCkEdI Gnutp kardkCBa¹⁶inKäedayRkmttMyenAPthiq¹⁶ GacbeghCmIsGkTij
bEnfn)anmäk; . enAkügarsakI ,gel kTBr GkRömlü RsUeDI RtU)aneCIsersCaGkTij minSUsAI ;
GkPthET bInpsmaCk nigemRkmrk)anGkRömlü RsUeDI bEnH ehly)ancrcarCamYngKat; edm,II kRSU
rbsBkeK eGay)antémxstanEdI GaceFITA)an .

K; etbBl evl aénkardkCBa¹⁶inKä tIcCageBl evl aénkardkCBa¹⁶CabKA b?
kskrEdI)aneR)askardkCBa¹⁶inKämgmpl GaccNj eBl evl asRmabEstyrk nigehA
GkRömlü . enAeBl sakI ,gThly BkeKRtUeT BicarNaBmeFia)ayeFCHY fIps;TpSarSuebkcLh
bInpnAeBl BkeK)aneR)as;TpSarSuebkcLh ehlyyI BRoB¹⁶fsya BkeKRkanEtBnitütémoneAel I
TpSar rIcEfkars¹⁶rtUdkCBa¹⁶RsUeTAI kenAef¹⁶Bhs,tönabEdrbeT bEnH . enAkügsänPaEdI
manRsab;kskrFmp¹⁶rtUgcaMamkdI ;énGkRömlü Tij beF¹⁶NrtamkgeTAdI pIrbS,GkRömlü Tij
edm,IsGayekTij RsUenAeBl EdI BkeKdkCBa¹⁶eTAdI ; .

smaCkEdI cU rInenAkügar¹⁶kardkCBa¹⁶edayRkmttMy GaccNj eBl evl a edm,Römlü BtmanGBl
témBGkRömlü Tij RsUeChKä nigedm,rcrcarCamYngBkeK bEnfbEl eBl evl argcalbehAGkRömlü mäk;
BERBaI emRkín)anRömlü BtmanGBltémø nig)ancrcarCamYngGkRömlü Tij RsUChS¹⁶BkeKritehly .
emRkmenAPthiq¹⁶eR)as;TIsB¹⁶drbsKat,sRmab;Iak;TgcrcarKä . smaCkRkínBiayamecj éf¹⁶tsB¹⁶
eGayKat; bInk¹⁶atbdèsFnminRBM¹⁶TV yk edaysarEteföhATIsB¹⁶enahvaticeBk¹⁶ .

-2 ;kars¹⁶rtc)annUeKal edarIn
etbrimaNdkCBa¹⁶RocalläMBitInK¹⁶magmkan;TpSarSuebkcLhngel IsBl 770etanEdrbeT?

enAkügarerobc¹⁶pnkarK¹⁶agsakI ,g mankar¹⁶ngT¹⁶ka 30° énRSUsI BltRmUkarh¹⁶ckngRtU
eKdkyk¹⁶mkan;TpSarSuebkcLh bInp¹⁶ T¹⁶ng)anRtmR¹⁶ehI 13° bEnH . brimaNdkCBa¹⁶srlo
mkan;TpSarSuebkcLhenAküExmkra nigExkm¹⁶ manclh 54etan . brimaNdkCBa¹⁶RocalläRtU)an
ek)anRömaNmanclh 320 etan -540etan¹⁶Ex x 12 Ex; EdI es¹⁶ng 42° énbrimaNeKal edAsrlo .

¹⁶ éf¹⁶tsB¹⁶ts¹⁶nb;T¹⁶nk;T¹⁶ngk¹⁶ardkRsUmyeCg¹⁶RtU)an)ans¹⁶manclh 400erol -0/1du¹⁶el .

eyagtamkarGegatCamU dan EdI)aneFVLgenAküExFü qä005 mFümPaKénbrimaNpI RStU
 RocabM/B/etan ehlybrimaN I kKV2/OetankümyRKsar . brimaNeKal edAsrbénkardkCBaüm
 kan;TpSarRsUebkcMh RtU)ankMntRtm 30° énRStUS I BltRmUkar edayGnutp_tambTBesaFnénkar
 RomU enATpSarRsUebkcMh . brimaNeKal edAEdI)anKNna mancmMh 770etan -2>etan1KVsar x
 1/280 RKVsar x 30°| .

tarag 5-12 ³ brimaNdkCBaümkan;TpSarRsUebkcMh

XM	Pthi	mkra	kmØ	srb	-°|
cgGBl	Baeraq	0/0	1/7	1/7	3/2
	dBt,al	0/0	0/6	0/6	1/2
	cllk	0/7	8/4	9/0	16/8
fRth	ebg	8/0	6/7	14/6	27/2
	qW	17/6	5/2	22/8	42/4
	RBl\ntst;u	2/6	2/3	4/9	9/1
srb		28/9	24/9	53/7	100/0

3; I Tpl énkavaytémtamI kN³vinc;Taj(R)al

k; PaBTak;Tg

eKBicarNafa karBRgngGNNacI kRStU KWaesckPtUCamU dänrbskskr edm,beghR)ak,cMNU
 rbsBkeK ehlykardkCBaümKä KWaFIsaRsplymanI kN³R)akdRbCa BERBaHkskrGaccabepmCa
 mlyngKMiténH)an .

eyagtamkarGegatCamU danenAküPthicMhR)amly 52° énGktbsmÖsnTajGs;TTV sÁI ;
 bBaénkarI kRStU . bBaéFmptt KWaFngminRtmRtUedayGkRbomU Tij ehlybBaäTBr KWaM I kRStU
 Tab . kardkCBaümRStUrhKedayRkmskskr KWameFia)aymlydejabrhÖs edm,edaHRsaybBaäTajénH.
 enAküry³eBI BrEx énKtag smaCkRbEhI 20°)anGnutp_kardkCBaümKätamkal kMtt; .

tarag 5-13 ³ cMmel k én kardk CBáimkkan, Tp SarSlebkcm

XM	Pthi	mkra	kmØ	srb	smaCk	°
cgGBil	Baerag	0	4	4	30	13/3
	æBt,al	0	2	2	34	5/9
	cllk	1	20	21	37	56/8
fBth	ebg	9	12	21	78	26/9
	qB	12	17	29	146	19/9
	RBAnstj	2	9	11	88	12/5
	srb	24	64	88	413	21/3

X | RositPaB (Effectiveness)

RositPaBénKMagRtU)anbBak,tamry³karstMcclMhèneKal bMNgI MitrbsKMag . GmNac I kRSUrbsRkmskr RtU)anBRgnyagehacNaskénAkjkkMénkardkCBáimKátankal kMttEdr . eTahCayagNakéday mankarbBakpgEdrfa RositPaBénAkjkkMénkardkCBáimKédayRkmtt KW manPaBxrsKæRchenAkjPthitaj 6 .

karGnutpkkardkCBáimKédayRkmttMypRtUkarendknaM hñak; nigskmPaBrihKædeTeTot . BK eKRtUeteFVGayGkPthiCOTkcitpeTahCakargardkCBáimKæCakEsjgminsUmankarB)akkéday . em dknahñak;)anniyayBil kxNBrcalacsSmabeFæmdknaM hñyrb KWl emdknahñal RtUeteFæCakM ¥ dI GkPthingT2 RtUetmanPaBesaditgRkbeBl evl a .

K | RositPaI (Efficiency)

skmPaBRtU)anGnutpRokbedaypñ nupl I ¥BèBakRkürbskskrGacshkarKá¹⁷ CamYning bKÁ krbs;TpSarSlebkcm nigebesvarbs;TpSrenah . TudakbBØ RtU)anBicarNafamantictæ BèBakPthitaj 6 eRb)asmash nig]bkrNmantémxsrñKä dtCarfynpñk -2/600díl æ ; kERBaj sñabEvgmYQit -1/400 dil æ; nig mashe)akRSUmYerKQg -1/100 dil æ; .

TpSarSlebkcmhedrtñatlyasManmyenAkjkkardkCBáimKátankal kMtt; bñnpakayCa]bsKÁ mlycBáimNñkarvtpñeTarkkardkCBáimKédayRkmttMypgEdr . kskrGacI kRSUrbsBkæK

¹⁷ enAkjTsSn³kcSkSa smaCkxñénRkmskr)anTsñatpSarSlebkcmBPaSaGmSkmpaBrsKMag sak I ,gCamYbKÁ kTpSar .

tanry³ kardikCBa¹inKäyt²mbj edaytémT¹pSar nigkarfng)anRtmRtU . eh tenH BkeKeBj citCamly
ngRbB¹SnH RbmTajleCosvagsakI ,gmeFia)ayfipodNakbnab; ebeTahbCaT¹pSarS¹uebkc¹h minEtg
EtCaCm¹S I b¹mt¹s¹mabkardikCBa¹rb¹sBkeKkeday .

X | \TBI (impact)

skmPa¹énK¹tag¹sakI ,gman\TBI el karGnut¹pkarEkI K¹NPab)anyagerch . skmPa¹
nigkare¹R)as;T¹pSarS¹uebkc¹hC¹h eGaymankarel kT¹kcit¹pnkarI kedaytém¹s; . kardakecj tém¹
T¹pSar hak¹bd¹Caef¹Gaykskrman¹karyI c,asBPab¹x¹sK¹éntém¹vagk¹h I Roest nigI YénK¹NPab
R¹U .

mR¹b¹r¹b¹ énm¹pk¹skm¹p¹g¹m¹n¹Ba¹N¹C¹km¹xt¹panmk¹T¹Sn¹3¹kc¹AP¹th¹at¹ 6 naExkm¹ q¹a¹2006 .
BkeK)anRt¹üB¹nit¹usk¹Pa¹nigsm¹ä¹EdI RtU)anp¹ eGayenAk¹g¹K¹tag . BkeKk¹anBPak¹S¹pg¹G¹kar
da¹UR¹S¹U¹Cam¹ly¹ng¹kskrp¹g¹edr . Rotk¹m¹bs¹kskrman¹Pa¹I Roest ehlyRb¹Fan¹P¹th¹anes¹Gaym¹p¹
T¹aj¹B¹r¹bm¹k¹T¹Sn¹3¹kc¹ot eTahbCaBkeK¹r¹vl keday .

g | n¹in¹Pa¹B

n¹in¹Pa¹B¹én¹skm¹Pa¹B¹ man¹Pa¹B¹x¹sK¹ä¹P¹th¹lyeTAP¹th¹lyeTot . P¹th¹B¹EdI mankarGnut¹p¹kardik
CBa¹inK¹edayR¹km¹t¹2 Gacr¹ng¹fang¹bn¹skm¹Pa¹rb¹sBkekenAe¹I Gna¹kt . b¹in¹p¹in¹Pa¹rb¹sP¹th¹
EdI r¹in¹mankarE¹frk¹Sae¹R¹Q¹g¹mas¹h nig¹J¹b¹kr¹N_ K¹ng¹Ep¹kel karbn¹pn¹Rot¹bt¹kar¹bs;T¹pSarS¹uebkc¹h
enAs¹ly¹G¹np . Ros¹heb¹T¹pSarS¹uebkc¹hbn¹Rot¹bt¹kar kardikCBa¹inK¹ägm¹äl karTij¹Ch¹hK¹
nigkare¹R)asmas¹he)akR¹sr¹inK¹ä ng¹bn¹pn¹N¹tkarenAk¹g¹P¹th¹at¹ 6 Be¹B¹at¹ral skm¹Pa¹B¹nim¹ly¹2 man
I k¹N¹3¹sm,t¹p¹K¹b¹R¹kan¹s¹mab¹kskr .

5>4 kavaytém¹l bBa¹T¹ak;T¹g¹K¹enAk¹g¹K¹tag¹sakI ,gT¹aj¹B¹r

vaCakar¹s¹Man¹s¹h¹ok¹kar¹R¹b¹R¹g¹T¹pSarS¹uebkc¹h bBa¹ kardikCBa¹inK¹edayR¹km¹kskr eTA
k¹g¹skm¹Pa¹R¹om¹U¹ R¹U Ca¹B¹ess¹h¹ok;T¹pSarS¹uebkc¹h EdI e¹fikar¹R¹om¹U¹ R¹U¹B¹kskrp¹al ; . kardik
CBa¹inK¹ä K¹llan¹R¹os¹it¹Pa¹B¹g¹kar¹beg¹h¹brima¹N¹Rot¹bt¹kar¹bs;T¹pSarS¹uebkc¹h EdI RtU)anB¹hit¹
ep¹g¹p¹ht¹edayK¹tag¹sakI ,gen¹AR¹s¹ikke¹Ba¹e .

5>5 emeronEdI)anermstBKMagsakI ,g

-1; escklsMrcbssBbKCaédKU CageK

KYmankarsMrcGllsBbKCaédKEdI CageK enAeBI mansBbKChRtU)anbeglileLgCaédKlsMab;
KMagNamly énChlyGPiD/Anpikar (ODA) . RksyBt KCasmPaKlsRmabkareFbegatGPiD/AnenH .
dibenH KMagSakI ,gRtU)anGnutpeRkamkarbeglileLgedayRksyTajBt nigRkmGiksSkSarsaRCar .
karbeglitenH)anbNpl eGaymankarGegamlyKapRosisPaB BeRBahvartUcINayeBI evl ayageRch
edm,eFkarEksM mtrbsRksyTajBt . karbeglitenH manlyfa manGiksMccitpgerKayBnak; .
karExyKMitKivagRksyTajBt)anel cecjenAcBalmxkarbnppSarsUebkcMhenAslyGnb .

-2 ; karbeglitenK³¹PaKgarRbttbtkar

enAdMnakkal dldly vamankarCaYacRtUbeglileGaymanRbBngKarcattajmly EdI rihmanmnisS
makTTV bnk sMabKMagmlyEdI manbMngbeglileCaGgkarmly . KMagSakI ,genAslyGnbminGac
beglileGaymanK³¹PaKgarRbttbtkarmlyEdI GacTTV kargarKMag nignaykcatkarTBTaeLy rht
dI cbKMag . dtehehly)anCaGkEdI Caekal edAenkarepbecReTsmnRtU)ankMit; ehlyRkmGik
skSarsaRCarRtURKbRKgTpSarsUebkcM . KMagmlyEdI KapK³¹PaKgarRbttbtkar KMinGac
beglileCaGgkarmly)aneT . vaRkanEtbeglitenannUl Tpl sMab,tajlogaj baNeh ebbTahbCaTmdakcu
manclMheRchYagNakeday .

-3 ; karBRgyRbBngInpaCkarkymU dan

vamankaryI eXij fa bKl krcsmnpskmpigmnpBaNCkmpxtpKydknaRbttbtkarCakEsly
énTpSarsUebkcMhenAslyGnb BeRBahenHKWakarsakI ,gel kThlyenAkjRbeTskmCa GikRbRKg
RtUeteFkargarenATkEngenahCarbcallyagehacNaskmAkjry³eBI rbsKMagEdr ehlyRtUmankar
pSBpSay nigeR)ascMNHdy nigCmaj EdI TTV)anenAkjKMagSakI ,genH . eTahCayagNa
keday vaninmanfvkaerobcMkl keFkareBj emagec j mkBmInpaCkarslul kjRsk eGayRkbRKgTpSar
sUebkcM)aneT ehlyRkmGiksSkSarsaRCarKMinGacrkmnisEdI mankaryI dyBPaBcaYacénTpSar
sUebkcMehlyBüyambnpskmpaBenAerKaybBaKMagSakI ,g BkjcMnamInpaAmU daneday
rhtTajGtlmInpdI TTV bnkRkbRKges,igpgEdr)aneLy .

edaysarmankar I MakenAküjkare(RbR)asFnFanmnisSenAküjEpkisaFarN³ RkmGiksksarsav
 RCav)anBiayame(RbR)asFnFanmnisSenAküjEpkÉkCn nig)ankINtkare(RbR)asyagc,as;l as; . man
 karBicarNafa RbBwFp;TpSarRsUebkcLhminGacBRgkbEnfedayKapunnisSedl RtUeFEGayRbest
 dl RbBwFp;TpSarRsUebkcLhminGacBRgkbEnfedayKapunnisSedl RtUeFEGayRbest
 TkEngEckcayRSU KMinAmU dan . mankar I MakküjkarBigeGayBl rdasambahakCij RbBwFp;Tp
 rbs;TpSarRsUebkcLhminAmU dan . RbBwFp;TpSarRsUebkcLhminAmU danKYEtRtU)anBRgigeGayqabrhtam
 Edl GaceFITA)an BeBaltHaTrbsBkek KMinGacxU)aneTenAküjkarGnutpKMinagenAküjmu dan .

-4 ; karbnKMagRsbCamYngtu iPaEpkihirBaftB

BakBwFp;TpSarRsUebkcLhminAslyGnp vaktU)anekcat;Tikfa KYmankarGnutp_
 vFisaRsdI mankarRbyZBeygerch Edl cabepInBskmPaBSManpMit ehlyBRgkTMinp;mg²
 Rsbtantu iPaBhirBaftB BeBaltKMagSak I ,g)anBiayamdake(RbR)asRbBwFp;TpSarRsUebkcLhminAmU
 GgPaBrdal Edl RtUkankabbnkargardal ekayBkarBbaKMagSak I ,g . vaCal Tpl éngacL
 kmfdu KapnrNadig ebéTahbCamankarercbKbRkankeday .

-5 ; karBRgkGike(RbR)as;TpSarRsUebkcLh

Epkel karekheLgbrimaNcat;cg nigl TPaBGacrR)akcMnj)an vaCakarsManEdl GikeRbI
 R)asRtUmankaryl dngBRbBwFp;TpSarRsUebkcLh . Cal Tpl TpSarRsUebkcLhningbegh)annU
 brimaNcat;cg nigTTV)anpl cMnj RkbRkan; edm,RkbRkg nigbegh\TPl eTAtMneKal edA .
 TpSarRsUebkcLhRtUkarbKA kBI 2 eTA 3 nakeNABel RbBwFp;TpSarRsUebkcLh . pbyeTAvij bKA kfakkmku
 minGacBbaBPaGike(RbR)as;TpSar)aneT CaBessKwkskr dechekminGacsMrcG)aneLy . enAküj
 qamngeTA Gike(RbR)as;TpSarRsUebkcLhEdl mankaryl dng KMinEt 3 eTA 4 nakbaNñH . \Lüman
 karekheLgekheLgdI Cag100 nakehly . mankarreXij fa Gike(RbR)asdeTeToteFItamGkEdl man
 karyl dngGMITpSarRsUebkcLh . GkEdl mankaryl dngBITpSarTajenH)aneFEGayRbestdl karyl ;
 dngRbsBkekCamYngkare(RbR)as;TpSarRsUebkcLhmyCMinanmg² . skasal aCameFia)aymyman
 RositPaB¹⁸ Bldly binjaminl tKüjkarbnprdocBksasal aEdl minslmanRbeyaCn . skasal aGac

¹⁸ skasal aWafmanRositPaBSMbeFkapSBpSayGMITpSarSu BeBaltkA kGacBPakSGDRBwFp;TpSarRsUebkcLh
 Kä . vaCakarsManRtUeFskasal amrdUkakatcu mkl ; nigeFkarEckcay)arSudl kskredl manbtgI kRSUtamry³TpSarSu
 ebkcLh . RtU)abek [excBRSUedh,beghRositPaBRomU RSU .

bnppptefVh/APhEdI manmnisSGacyI)an . vael lSBkarCij déTeTot edm, l[mandMnkarrI h edm, BRGkGkeRbR)as; nigeFkGaymanGkeRbR)asmbgehlymgeTot .

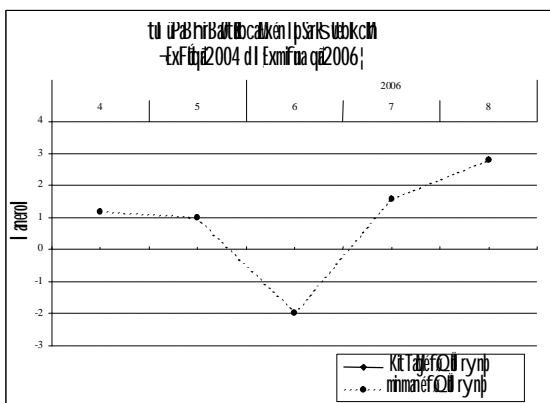
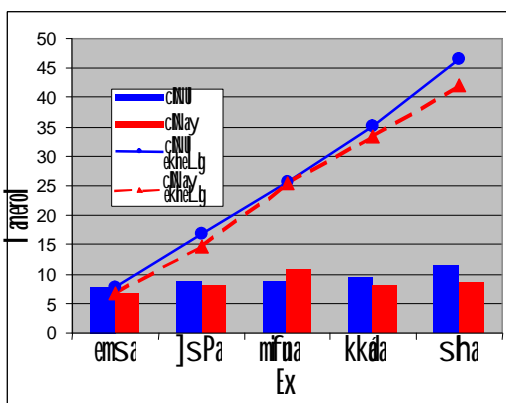
6; CBatgrbs;TpSarSuebkcMh nigbrimaNcatEcg

brimaNcatEcg KVaRSyel TlhMnsRmab;Tij RSU . flbTpSarSuebkcMh enAslyGnb RomU)anR)akcMh 89/000dül er kbEnRbsnebenArdUbnbenAetmanTkr)akcMhdEdI vaR)akdCa mankarI MakngkarcatEcgrSU)ancMh5/000 etanCaminxan . RbsnebmanfvkarRkbRkanedM, Tij RSU vakemAetmankarI MakngcatEcgrSU)aneRchCag 6/000etanEdr edaysarbbatMhKadl nig Tll anhal RSU . TpSarSuebkcMhKVRomU fvkasMab;Tij RSU nigBcarNaGbkareRbR)asRokbeday RbsitPaB beglkareFChy Tl mXKä -I k;Tij Pam² ; beglbrimaNRSUEdI)anhal rCenAEkphrbs; kskr vFIsarspdm, bBaP LU RSUKä nigbBaädeTeTot .

5>6 I Tpl énTpSarSuebkcMstlyGnpeRkayeBI RbKI ;

-I; sEnPaBerKayeBI RbKI ; -I Tpl nigkarvaytémel

rb 5-6 brimaNcatEcg cNUU cNlay tul iPaBhiBaftB
énTpSarSuebkcMstlyGnb
-eqly³ cNUU ¼cNlay/ spm³ tul iPaBhiBaftBocalk ;



karRkbRkghirBaftEnTpSarSuebkcMh KVKSa)anel cMhrcEdmenAerKayeBI RbKI eTA[Rksly BaNCKmenExmina qa2006 ebeTalbCamankrNll CmasubhTk nigmanekalfakcracrrfynp EdI tRmU[mankarcMlayR)akbEnfkpeyagrb 5-6 ;.

sānPaBsaksYrbsGkTij GkTij dRsu enAmanPaBxatjkeenaLeLy ehlyTpSarRsUTatjml
 minmanTisedAmū danFakcūtRsluLy . RbsineblTpSarGgāevotNamRtUkarGgāfmeTotstkb;
 eFkarnabj enaH vanngGacmanlTpBaBeFtRsluLgPammyrbC Edl GacbtBal dI karEk
 l KINPaBēnRsluEdl etbngRbml pl fR

karTij)arRsluGacsbt(antamry³Tmbgl stkb,sk)ar -48>000)avenAcgExsha qā2006
 mant 211 anerol =RbEhI Ca 5>00du aGaemrk ; . vaenAmanbBaFfFfBakBhngkarCV rfynp
 stkbdkRsluEnAkjrdUedl mmaj k .

tarag 5-14 ³ kareRbdeFdobrimaNRsluCatEcgeday
 TpSarRsUebkcMstlyGntm nigelkayeBI RbKI ;

tarag 5-14 bgāj nūbrimaNcatEcgedayTpSarRsUebkcMstlyGntm 2005-06 nigman
 EbgEckm nigelkayeBI RbKI ;TpSar . kar
 eRbR)as;TpSarenH edayQjLkNpl Kllankar
 ekheLg edayrkSa)annuklmanTllkcitpos;
 BkEkkel lTpSarenH . miugvij eTot kskr)an
 BiayameR)as;TpSarRsUebkcMstlyGntm Rbsin
 ebBkEkmmanRsluEdl manKINPaBI ¥ edayman
 nīkareqaleTAmx . brimaNēnLūRsluTatj
 LayEdl catEcgenATpSarRsUstlyGntm Kllng
 Et dlt²KāenAkjgcenaHeBI TājenaH . Edl man
 nīfa CllhOTkcitKllhAdEdl erkayeBI RbKI ;

BEFJI ! EXKBā qeU% dI ETJI #! EXSHA qeU*

Stbrin ³	4,045.00	3,077,800.16
brmaNRsluCatEcgeday		760.89
brmaNl kec j vij	2,946.00	2,040,376.10
chNKI kec j vij edayebR)asQjLkNpl - ³ !		66.29%
brmaNcatEcgsrb -KK;	6,991.00	5,118,176.26

brmaNlUeatEcgedayCamFum -KK%Ll		732.11
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chmPm ³	128
chmXf	37
chmSk ³	11

ekayeBI RbKI lpsRslu -!(mma dI ; summa;

Stbrin ³	300.00	310,330.90
brmaNRsluCatEcgeday		1,034.44
brmaNl kec j vij	262.00	199,489.00
chNKI kec j vij edayebR)asQjLkNpl - ³ !		64.28%
brmaNcatEcgsrb -KK;	562.00	509,819.90

brmaNlUeatEcgedayCamFum -KK%Ll		907.15
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chmPm ³	36
chmXf	15
chmSk ³	3

mokI lpsRslu -! KBā dI ; 18 mma ;

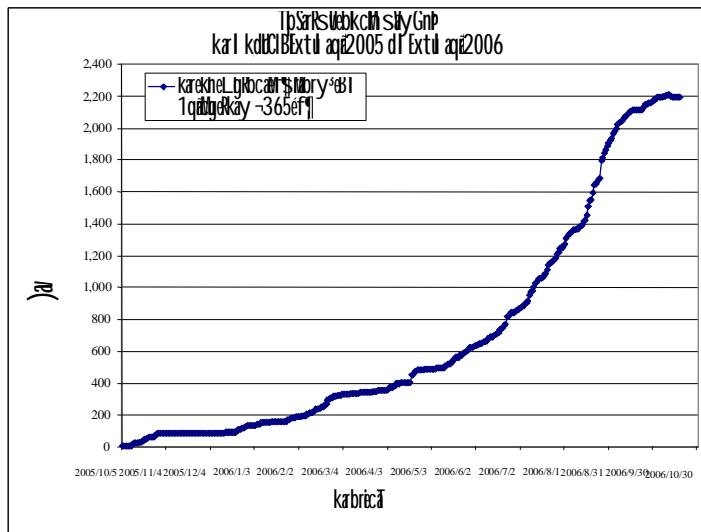
Stbrin ³	3,745.00	2,767,469.26
brmaNRsluCatEcgeday		738.98
brmaNl kec j vij	2,684.00	1,840,887.10
chNKI kec j vij edayebR)asQjLkNpl - ³ !		66.52%
brmaNcatEcgsrb -KK;	6,429.00	4,608,356.36

brmaNlUeatEcgedayCamFum -KK%Ll		716.81
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karl kChmankareheLg Edl naVman
 skmPaBTij dI nigpSBpSayrbs;TpSarRsUebk
 cllhcb;atjBExvicka qā2005 . Rbsinebl kskrbnTij CBllpSarRsUebkcMstlyGntm vanngCYdI sānPaB
 hiBaTtBbskskr nigTpSarRsUebkcMstlyGntm ehlykZakarEkTRmgd³4stkb;TpSarCrbskmCa Edl
 manbBaaxagKINPaB nigbrimaN .

rb 5-6 c l naelgch énkarl kCl -Extul a qm2005 d l ExkBa qm2006 ;

sitenAerkankarSarRCaveBj my
 qm Klankarcatt,fakkarcatt,tajskmPaB
 nig l lab:l mlayGaClkmp flbkarRk;
 RkghirBaotBbs;TpSarSuebkclh bgaj
 [eXlj manpl cNj enAerkayeBl
 RoKI ;TpSar EtcNU PaKech Klpkel l
 RsUed l RomU BcgvExvicka qm2005 d l ;
 edmExkm qm2006 . enAkjrdtpiteBl
 RomU pl erkayExensa brimaNRomU
 manclhRtm 100eTA 200etan1xboNñ.



Clmj RsUed l manTlmMsenH eFl [RositPaBRkRkGfvkakanEtB)ak . TpSarSuebkclhRtUkarTn
 bgll sMberTombllj .

rebdeFkargarsMboqatsareBBnñ;énTpSarSuebkclh slyGnp manBakkenAxagerkam³

1; manEpnkarstMbrRomU RsU

- BExkBa d l Extul a qm2006³ 100 d l ; 150etan énrSuenAs l rbskskr nigRsUflp
 -RsUcMlCaBomancINatfak;Tab³)ayng Ed l B)akrkGkTij ;
- enAkjExvicka³ 300 d l ; 350etanénRoePTBoshal klhRsU CalbePTBomancINat;
 fakxs; . beglbrimaNcatEcgrhñd l rdUed l mmaj kbñt .
- BExensa d l Exsha qm2007³ 1>000 d l ; 1>200etan dltqamngeTAEdr .
 -brimaNRomU CamFim³ 9 d l ;10etan1xfl

2; karl kClnAkj qm2006-07 KlmankarClmj [ekheTVdgel kMtrtañqamngeTA -RbEh l
 Ca230etan ; . KlmitenH Kwlm,Clmj karrkSaTkbkA krbs;TpSarSuebkclh enAkjGllg
 eBl pitrdUcltkat;nigkatbnñynUkarERoRbV brimaNGaClkmp

3; RtUBicarNaGDRoBñ)akExrbsbkA k edm,eFl [EbbTkgarmanRositPaB .

- 4 ; vamanbBaGBlkarcatEcgsareBBnšénGaCl/kmpinly² edayer(R)asRkdasR)akmantll tt edaysarvaRtUkareBl evl aedh,tab; . edm,mankarsnStkckmalyBI km,ngbBašnpsx vFRoKI R)akKYerobcl[manl kN³RbesteLg .
- 5 ; TpSarSlebkclhshyGnbngebkTpSarGgámlyshabGaCl/krmashkinRSU edm,beghkar e(R)as;TpSarenH .
- 6 ; ehlyKYbnPij kare(R)as;[)anl inTpSarenHedayQijevotNam .
- 7 ; RtUmankarBnitiemll [)anRkbRCgeRCayel karbeghiefQij esvakmp(ε)akEbn dtkCBadi slkTk . I . ;

mll ehtcllgénsanPaBhiBaftan»nPaB KWNPi mkBclNayel karCV rfynþrfynþlk nig rfynþl kdakRSUedl manclNþlk 2/5etan ; . TpSarSlebkclhshyGnþ RtUkarPaBbtEbneyday vÿqat edm,ITV)ankllcNj el karKbRKgEpkhiBaftþ nigmankarBcarNaGBUNNaHSayel I PaBbnEbnTajjenahdtteTA³

- fvkaca)Nacs,tabcatEcgkarRbml RSUnymanchllhBI 20>000 dl ; 30>000dul a . sltab; TpSarSlebkclhshyKYmankar)ansapbBañ éfpSBpSayEdl manclhRbEh I Ca 10>000 dl a sltabeFiskasal a erobclNþSBpSay Tllak;Tllg . I . ; .
- TpSarSlebkclhRtUkarfvkarbs,Qij,kNþl sltabkarl kClGaCl/kmpsu nig)arSU .
 - fvkaslabGaCl/kmpsu³ 100>000 dl ; 110>000dul aGaemrk .
 - fvkaslabGaCl/kmpLj 5>000dul aGaemrk -30°GacI keCO[Gike(R)as; ; .
5>000 dl ; 6>000dul a -50°GacI keCO[Gike(R)as; ; .
 - fvkaslab)arSU³ 5>000 dl ; 6>000 dil æmrk .
- TpSarSlebkclhRtUeFkarBRggenATUajRbeTskm&a tamry³EpnkarrbsraCrdap)al km&a . eTahCayagNak&day TpSarSlebkclhshyGnþ RtUonþlNþkarCaTRng; mll dan -kijClhrdtCaeKeFEGaCl/kmp, edayeh tifa TpSarSlebkclhfpinly² RtUGnutþ tam . éfQij EfTaTpSarSlebkclhshyGnþnaeBl GnaKtRtUklitedayELk edm,I [TpSarenHmanninþPaB .
- ral fvkabhyTajGs; RtU)anklltslab; 1;> éfEfTaBRgkGaCl/kmpinTajkarTij sMar³ brker rfynþdl GacsnsyanR)akclNj BI 30 dl ; 50° . 2 ;> sltab)arSU Edl Gac snyanR)akclNj sltabkarl k; karkrtabBašareBPXDimly² . RtURkbRKgfvaTaj

- enah edayminRtUeR)as; s; b; r; k; p; l; k; l; m; n; R; t; m; R; t; U; -f; v; k; a; T; a; j; e; n; a; h; m; i; n; E; m; n; s; t; a; b; e; R;)a; s;
 edm, Es; t; r; k; R;)a; k; c; b; N; j; e; T; ; . KN³R; k; b; R; k; g; R; t; U; B; i; c; a; r; N; a; d; b; N; r; k; a; r; K; N; n; f; l; u
- RtUktRtafvkaEdI éI TkedayELk enAküjKNnIsBa; FnaKarCaRbcaMedm, b; F; t; Gaykargar
 KNenyüanPaBc, as; l; as; niggayRsV s; t; a; b; R; k; b; R; k; g; f; v; k; a; T; a; j; e; n; a; h; .
 - RtUeR)as; m; x; g; a; r; F; a; n; a; K; a; r; ()a; n; x; a; j; k; a; . enAeBI GnaKtEdI mankareR)as; FnaKar)anI ¥
 FnaKarngeFkarTUatral cracsacR)ak; ehlymRnFnaKarngeF; t; b; N; m; k; k; a; r; T; p; S; a; r; S; u; e; b; k; c; l; h; e; d; m; ,c; a; t; E; c; g; k; a; r; g; a; c; a; l; a; c; e; n; A; T; e; n; a; h; . v; a; n; g; G; a; c; k; a; t; b; n; s; y; n; U; T; h; M; a; r; g; a; r; n; i; g; h; a; n; P; y; T; a; j;
 L; a; y; e; n; k; a; r; R; k; b; R; k; g; h; i; B; a; t; b; s; ; T; p; S; a; r; S; u; e; b; k; c; l; h; . v; a; n; g; m; a; n; k; a; r; T; a; j; [m; a; n; b; e; g; i; t; s; a; x; a;
 e; n; A; T; p; S; a; r; S; u; e; b; k; c; l; h; b; e; n; A; t; a; m; T; R; o; C; i; n; x; t; i; . e; n; H; k; a; K; i; t; m; y; e; d; m; ,k; a; r; B; a; r; G; i; B; B; k; r; l; y; E; d; r; .
 - mankar sn; f; i; a; b; r; i; m; a; N; c; a; t; E; c; g; R; s; U; n; i; g; m; a; n; k; a; r; e; k; h; e; L; g; . I; k; a; p; a; l; a; y; a; c; ; K; i; t; U; R; o; m; U; R; s; U;
 c; l; h; 30e; t; a; n; 1; f; f; e; n; A; k; ü; r; d; U; e; d; l; m; a; n; P; a; B; m; a; j; k; . m; i; a; g; v; i; j; e; T; o; t; T; p; S; a; r; S; u; e; b; k; c; l; h; k; a; r; U; k; a; r;
 T; i; j; r; f; y; n; p; h; k; T; i; j; 2; e; k; G; e; T; o; t; n; i; g; b; e; g; i; t; c; l; h; k; m; k; e; d; m; ,b; a; t; G; i; k; e; R;)a; s; ; T; p; S; a; r; e; n; A; e; B; l; r; d; U;
 R; o; m; U; R; s; U; e; L; g; d; l; c; l; h; k; k; i; U; E; d; l; C; a; k; a; r; g; a; m; a; n; k; a; r; e; k; d; o; s; g; a; ; k; a; t; C; a; f; v; k; a; b; o; g; l; s; t; a; b; ; T; i; j; C; l;
 E; d; r; . T; p; S; a; r; S; u; e; b; k; c; l; h; K; Y; B; i; c; a; r; N; E; s; t; r; k; C; h; j; h; i; B; a; t; B; G; i; k; p; l; C; h; y; N; a; m; y; .
 - vaCaRbkar s; M; a; n; R; t; U; C; h; j; G; i; k; l; k; i; k; T; i; j; [e; f; i; k; a; r; d; i; k; C; B; a; t; R; s; U; e; d; a; y; c; a; k; F; a; r; B; e; R; B; a; t; C; i; n; a; y;
 e; l;)a; r; R; s; U; e; f; i; [b; H; a; l; d; l; k; a; r; d; a; k; t; i; l; R; s; U; .

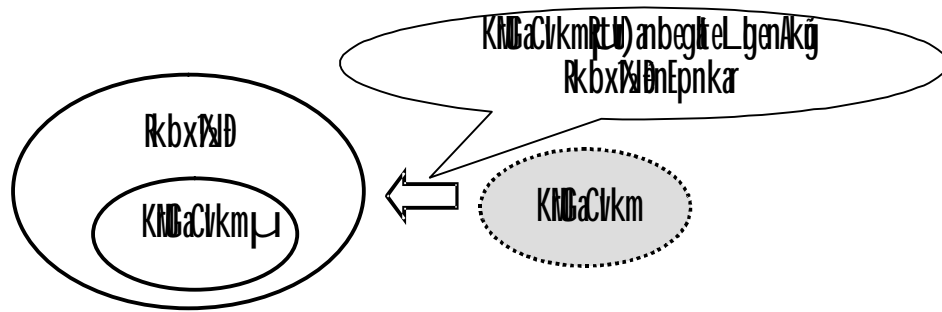
-2; karRbemil emil karRkbRkgnaeBI GnaKt

tamI T; p; l; R; k; b; R; k; g; n; a; e; B; l; b; c; b; ,n; i; k; W; a; c; s; t; i; c;)a; n; k; i; t; r; e; d; m; C; a; n; y; n; i; g; b; r; i; m; a; N; R; o; m; U; R; s; U; m; a; n; c; l; h;
 R; o; E; h; l; 3>500e; t; a; n; r; i; h; T; a; j; k; a; r; T; i; j; e; d; a; y; Q; j; k; N; p; l; -m; a; n; c; l; h; e; r; c; h; C; a; g; 66° e; n; R; s; U; e; d; l; R; o; m; U;)a; n; ;
 b; r; i; m; a; N; c; a; t; E; c; g; s; r; o; m; a; n; c; l; h; R; o; E; h; l; C; a; 5>800e; t; a; n; . v; a; n; i; n; E; m; n; C; a; k; a; r; g; a; y; R; s; V; e; L; g; e; d; m; ,r; k; S; a; n; U; k; a; r;
 R; o; m; U; R; s; U;)a; n; B; l; 9; e; T; A; 10e; t; a; n; 1; f; f; i; s; t; a; b; r; y; ³e; B; l; m; y; q; a; m; . v; a; n; a; n; t; R; m; U; k; a; r; R; o; m; U; R; s; U; k; ü; b; r; i; m; a; N; e; r; c; h;
 E; f; m; e; T; o; t; n; i; g; s; t; i; k; e; T; A; t; a; m; s; t; i; n; r; b; s; G; i; k; T; i; j; e; d; a; y; y; k; e; f; o; s; v; a; k; m; p; u

enAküjkrNenH CamykarR)ase; b; g; \n; h; ³ n; i; g; k; m; k; u; n; i; m; a; n; R; o; s; i; T; p; a; b; e; n; A; k; ü; r; d; U; e; d; l; m; m; a; j; k;
 K; Y; m; a; n; k; a; r;)a; n; s; a; p; c; i; l; N; a; y; 20; l; a; n; e; r; o; l; -R; o; E; h; l; C; a; 4>900d; u; a; ; . e; l; i; s; B; e; n; H; e; T; a; e; T; o; t; K; i; t; a; n; l; k; a; p; i; t; i; n; y;
 e; d; m; ,l; [k; a; r; l; k; C; h; a; n; s; B; P; a; B; s; t; a; b; R; k; b; d; N; p; k; a; r; c; a; t; E; c; g; k; ü; r; d; U; m; i; n; m; a; n; s; k; m; p; a; B; . c; a; l; a; c; R; t; U; m; a; n; k; a; r; l; k; C; l;
 c; l; h; 250e; t; a; n; -5>000; a; ; e; d; m; ,r; k;)a; n; R;)a; k; c; b; N; j; c; l; h; 28; l; a; n; e; r; o; l; . s; m; t; u; l; i; c; l; h; 8; l; a; n; e; r; o; l; n; i; g; T; i; k;

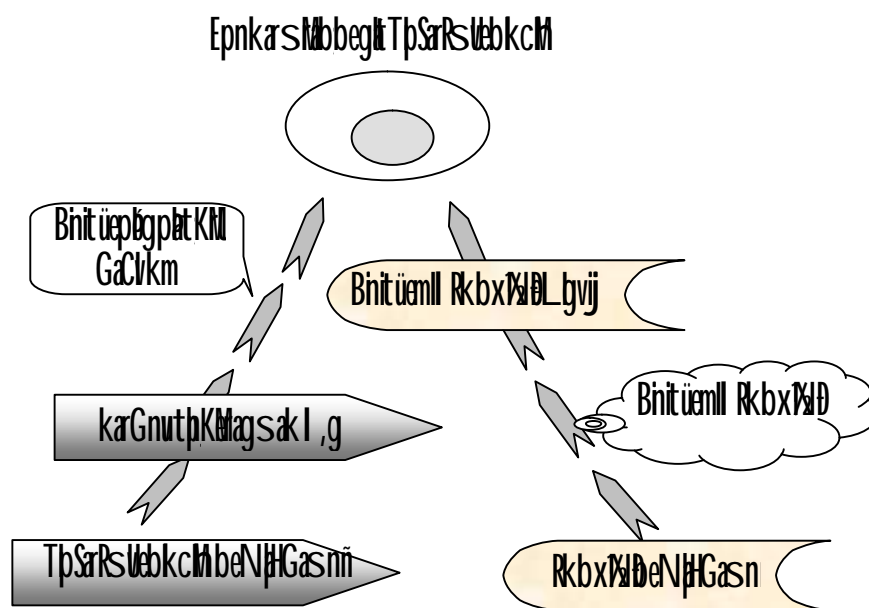
Cafv kabltj . flblv amankar l Mak nge Fkar BRgk GaClv km Tp Sar Rs Uebkc l h Pam² k b n kar RK b RK ge TA
tamkar er dor abxage l l K W ar F R t m R t U en Ak m e a .

chBaHKNPaBRsUrbs;TpSarRsUebkc l hvij RsUc l Nat f a k e l x2 K l l an Et 3eTA 4° beN h h .
TpSarRsUebkc l h mans h g d a c l Nat f a k m y C a e K a l e d A e n k a r E k l K l N P a B n i g e F l C a m U d a n s t a b ;
KNnat l l R s U C j d b) a n R t m R t U . e n H C a C l h a n B h m m y s t a b o r a C r d a P i a l k m e a b e g l i [m a n T m a b e r o l
R) a s s h d a r G g a . c h B a h k r N R s U w i j k a r e F l b m a N y k m p s h d a n y k m p R s U [l x t e x t K l l i n c a y l a c ;
e L y . - e y a g] b s m k s 0 R k a h k b j E d l k a t b n y k l i c k M e p S g ² n i g k l i t s e N h b e n f i ; d l l d j G i k e r o l
R) a s R t U m a n b T B e s a F n t a m r y ³ R k a h k n i g m a n c l l N g k p b ; () a n n U G t B y G B K l N P a B R s U . e k G a c
k l i t k l i t T a b b l i t e n K l N P a B l ¥ e d m , e C o s v a g s a n P a B e k l t m a n k a r C j d b E d l m a n k a r T l a k ; T l i g e K a t
R k a t e d m , e K b n M . e y b G a c r k e X l j c h l c E k l l R o s i n e b l t l R s U e p k e l b l i c T a j L a y e n k a r R t l B n i t u
E d l p l e p m e L j . B t m a n s B K l N P a B C a k ; l a k y a g e h a c N a s k z a y l a c , s t a b e F l k a r e R o b e F o b C a m y
n g K l N P a B d e T e T o t E d r . v a n g m a n k a r p S b S a y T U a j l R o e T s k m e a b n p m j ² . e b e T a h l o r a C a d l N a h
R s a y d K l l i k e n k l i t K l N P a B k l e t T p S a r R s U r t U k a r k l i t K l N P a B C a k ; l a k ; - s h d a ; e F l C a m U d a n .



rd 6-1 rdPaBénEpnkar sMbegit TpSarSuebkcM

dNrkarskSaenH RtD) anGnutPsbCamYng TsSn³cMhBr³ karBnitüemll eLgvij nRbx1 nigkarBnitüemll eLgvij nKlf4 rd 6-2bnabenh dakeBl evl aenAkijGKSbBaR ehlybgäj nrd PaBTsSn³BrkBgEteFtI nacU eTArkTpSarSuebkcMhmly xN³EdI karskSadNrkarBerkam eLgeTaeI I.



rd 6-2 karbegitrdPaB énRbx1 nigKlf4

dtch EpnkarGPiDAnTpSarSuebkcM Klf4anRbx1 nigKlf4lakenAkijekag .

7-1 karkmt:TitajTpsarslebkclh

dit)anbnul enACBkmarcmkehly GBVfisaRps... EpnkarGpivDAnTpsarslebkclh... KvakarKitKBicarNaTkCannRtU)aneFhAkjRkboxVInEpnkar ehlybnabmk KIBaNCkmply ngRtU)anBhitiemll edayEpkel II TplEdl TTV)anBKtag sakl ,g . enAkjCBkenH ktpTajLay Edl manRkboxVInEpnkarGpivDAnTpsarslebkclh ngel kRtuykmbhitiemll .

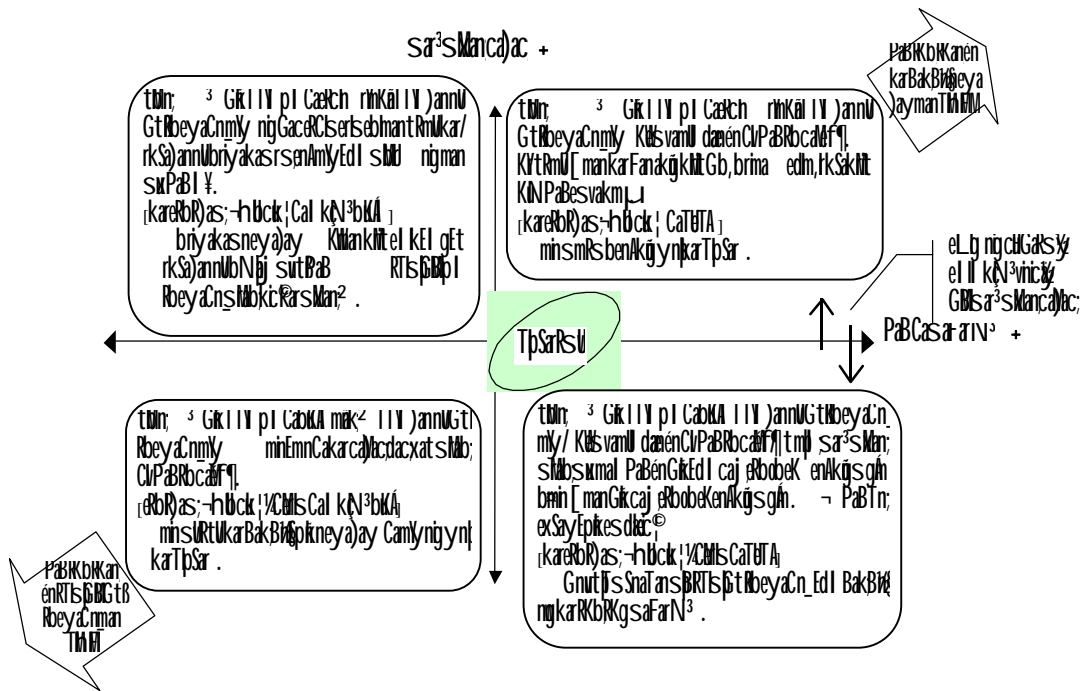
7>1 karkmt:TitajTpsarslebkclh edayephecj Bfssn³psa³smanca)ac; nigPaBCasFarN³ rRovtp)

GkEdl eRb)as;TpsarslebkclhPaKechKwakskredl pl it 1/4 kRSU nigGkRbomU RSU GaClkr mashkinRSU nigQjRSU . edayeh tifa TpsarslebkclhngRtU)aneRb)asedayGkRskCaech Edl enAtammU dan ekGacniyayfa vaCaKtagmlyEdl mankmtCasaFarN³ . eKrdyfa TpsarslebkclhngRtU)aneRb)asedaysaFarN³CnTtAdlTpsarl kray saFarN³deTetot Edl manCag 200 kEngenATUajRoEtsGBaEdr .

ebEtahbCaTpsarslebkclhngpl esvaepSg²Edl mansa³sManxetjshbClPaB nigskmPaB esdlec@sGkeRb)as; EtvaminEmnCamxgarEdl calacs shKmmU danTajmU enaHeT . Rosin ebKapTpsarslebkclh RslungRtU)aneKefkarEckcaytambNhj deTetotEdl manRsab; . eTahCa yagNakelay enAbl Edl niyayGkarpj ;TkEngshbeFCMj Edl mansmFm nigRtmRtU Etmin EmnRkanEtCaTpsar samBalmJanal ekGacniyay)anfa thahb;Tpsarslebkclh KBitCamansar³ sMan;NasEdr shb;skmPaBesdlec@s,nanAkm@a .

r karvPaK nigbBaepSg²)

mndmly crkCal kN³saFarN³ nigsa³sManca)acnTpsarslebkclh ngRtU)ancatecj CacNccabepmndmNrkarendoclegitEpnkarGpivDAn_ . ebhiyay [manI kN³gayyl ; TpsarslebkclhGacdNrkarcaktag saFarNmlyst enAerkamkarRkbrkgrbsrdpa; CashRKasBaNCkmpu Edl dNrkaredayEpikEkCn beaKtagsgmlyEdl karBakBkbsrdkankmt nigdNrkareday EpikEkCn . karkmt:TitajTpsarslebkclh edaymankareRbobeFobCamlyKtagdeT²eTot Kltan Bnül enAkjrb 7-1 xagekkan .



rb 7-1³ Tnk;TngetAij eTAnknvgsa³sManca)ac; nigPaBCasaFarN³ (Publicness)

[karGegat]

PaKryénGik(ebR)as; TI nigcHhRbCaCnsrboenAmU dan Edl Ca)araEmRténPaBCasaFarN³ sblid;TpSarSuUebkclhGacngkittRbEhI Ca 10° énkari kRSU edayEpkeTAtambTBesaFnBKMag sakl,g . tamry³bTBesaFnBKMagdEdl enH)anrkeXij fayagCakEsqifa karCY dRokbeday PaBRtmRtU nigsmFm Edl RtU)aneKemil eXij faCa)araEmRténsa³sMan; Kllan\TBI yagercheTA el kicRarCMJ RsUEdI manRsab; . eTahCayagenHkp ekminGacniyayfa kicRarCMJ RsURokbeday PaBRtmRtU nigsmFm)ancabepncakb sehlyeT dteHITpSarSuUebkclhKYkSa()annU CMJ RsUEdI manPaBRtmRtU nigmansmFm .

dt)aneXij enAxagel kcmkehlyfa TpSarSuUebkclh KllatKEngpñ nUesvasMan²Edl epñ ecj BITsSn³énPaBCasaFarN³ nigsa³sManca)ac; . dteHl vaTmgCaminRtUKaCamlyngokal karN_ maXFgeT . bEnHBel enH ebeTahbCavaminEmnCatllnskmPaB Edl minca)ac; [mankaBakBibRda edm,tkSa)annUkareFCMj RokbedayPaBRtmRtU nigmansmmkp kllan\karBakBibhankittBrdanAkügnkar GPiDAnç,ab; nigkarBnitütandanGacngCakarKbRkan; edayeh tufavaminEmnCaesvaEdl ca)ac; .

7>2 kardak;TpSarSlenAkjRbBfckcayRsuWGa

rRovtp

tthaI nigmgarenTpSarSlebkclh KYRTUcatecj CaroePteTAtankardak;TpSarenHCaEpkimY
 enRbBfckcayRsuWGa edayepmecj BRslupl itedaykskr eTACaGgaEdI Tij edayGkeRbR)as; .
 eTACayagNakeday kngmkRoeTskmCa minFabmanTpSarSlebkclhE t el kEl gEtTpSarSle
 ebkclhstlyGnEdI eTbngebflelnykarkmt;TitajkminTan)aneFlhAelgEdr .

enAkjKmgasakI ,g karkmt;TitajRslenAkjRbBfckcay RtU)aneFkarBinitiemll edaysntfria
 vaCaTpSarSlebkclhEdI eRbR)asedaykskrdaRsu . eTACayagNakeday karCj dRslUPaKerch
 edayGkrRomi RsluykeTAl k;[QjLevot Nam nigedayGkrRomi RslEdI enAcenaHQjLkma nigQjL
 evot Nam KWFkjRTgRTayFmankBgEpTenenAenAERBmln . enHmannYfa GacmanI TPaBRbemll emll
 GBkarbegitTpSarSlebkclhmYsthb;[GkrTajjenaherR)as; . karkmt;TitajsthbkrNepSg²Ka en
 TpSarSlebkclhEnH manBnül bBaakenAkjtarag 7-1xagerkam³

tarag 7-1³ kardak;TpSarSlebkclhEAtaml Nlab; Nday

Titaj	Gkl kclhg	GkTij clhg	karkmt;TitajRbBfckcay
TkEngp lit	kskr	GaClvkmashkinRsu > QjL	RbBfckcayenAepkxagel I-Tmk;Tmg pbl CamlykskrEdI manRsuCalL ¹ st ² ;
kBgEp/ABmln	GkrRomi Rsluzm¼ bnhb;> kskr	QjL> GaClvkmash kinRsu	karEckcayenAepkxagerkam-CaKal karN_ QjLkmaGkeckcay;

rPak nigbBaepSg²;

tamFmfar edlm,Gacrksa)annUClhGBiaRkitmYsthb;TajGkl k; nigGkTij TpSarSlebkclhEgmin
 eFkarCj dRslE t . enHmannYfa TpSarSlebkclhminEmnCaPaKenkargarChj enAkjRbBfck
 cayeT . eTACayagNakeday enAkjry³eBl eTbngecabepmKmgasakI ,g GkeRbR)as;TpSarenH
 mankaryI eXlj mlyfa TpSarSlebkclhBitCakBgEfkarcj dRsu . CasMan; edaysarGvtmanen
 QjLkNpl enAxagkjpSar nigkglxatfvkashtb;Tij Rsl TpSarSlebkclhminTTV)ankaryI dng)an
 Rt mRtUBGkeRbR)as;GBkardak;TpSarenHenAkjRbBfckcayeLly . BakBfckcayTpSarSlenAkmea enH
 KlabBaasManphtEdI RtUel I kedahrsay .

CaBesseTaeTot minmankskreRchmanmeFia)aydikCBaRSeLy ehlykskrmychtt KW
rgcaUkkmBKtragsakI ,gedm,RomU Rsrubsek edaysntfifaGkTajenakCaGkRomU RseDr. eTah
CayagNakeDay CakEsjRsrUrtU)annatU eTAgTbrevNKtragsakI ,gedaykskr edayerR)as;
esvadkCBaEdI pl edayKtragsakI ,g . kZnp GarmNyI eXlj rbskskr KWaktragsakI ,g
mkTTI ykRsrubsek . el sBenHeTaeTot fRbRseUdI RomU mkRtU)anTij edayQjLkNjal enAkj
TpSar EtkskrKitfa KtragsakI ,gKWaGkTij eTAvij . edayehtraKtragsakI ,g)andNtkarSar
RCaBnitieptgptmyedayEpkel II kXN)CakEsjgenAkmeCa eKGacniyay)anfa kardakTpSarRseUa
kijRbBhckcayrbskmCa minTanRtU)anbegit eLgenAeLy .

[karGegat]

minman]TahrN)CakEsjs)B)T)Sare)HdhhAkmeCaLy . vaGacRtUkareBI evI axtrhUdI Gk
eR)asmankaryI dg)anRtmRtUGBkardakTpSarRseUaAkijRbBhckcay .

xN)EdI KtragsakI ,g KWaTpSarRseUebkclh sIt enAtInpI itRsu vabegit)annUTkEngmy
EdI QjLef)avot Nam GacmkTij RseUBIQjLkmCa . eKGacemI eXlj TkEngenHCaTrngGs)k)itmy
enTpSarRseUebkclh ehlyvaGacngeFkarGpiD)h] eTACaTpSarRseUebkclh xatFMyenAeBI GnaKt .

bEnfel enH RseUPa)erchEdI RtU)aneKTij s)h)kareR)askijRsk K)hankarEckcayenAkij
ext)edI pl itRseUaH . d)ch) eKGacR)g)TkedaymansutPaBfa GaCl)krmash)kinRsu ngkayCaGk
eR)as;TpSarRseUkijRsk .

7>3 t)W)T)bs;TpSarRseUebkclh)enAkij)karGpiD)h] s)S)h)km)Rsu)Gga

[Rovtp]

Rks)g)BaNC)km)niyayfa t)h) enkar)ab)j)pl)it)pl)ks)km)R)km)Ca)ane)khe)L)g)cl)h) 5 I an
dul a)GaemrkenAkij)q)al)2005 f)h)kal) b)na)q)al)h)ek)ans)an)anch)h)Rtm) 800>000dul a)Gaemrk .

kardakRsu KWa] s)S)h)km)Rsu)Man)my)sh)h)es)de)ic)R)me)Ca edaysarvak)mansar)3)S)Man)Ca)Gahard)3/4
ca)h)ab)h)tr)bs)R)be)T)S)Cati edayep)me)j) B)I)S)Sn)3)S)B)kar)pt)g)Gahar)EdI) mansar)3)S)Man)h)h)it . R)Ca
Cn)Pa)Ker)ch)h)tr)sen)ACnbT ehlyB)ke)K)Pa)Ker)ch)R)k)br)bd)ak)Rsu . d)ch) eKGac)da)k) s)S)h)km)Rsu

tamry³karGnutp_KMagsakI ,g)anbBaakbEnBfa TpSarRsUebkcMhman\TB I yagercheTA
el CHj dRsuCaRbeBNi nigfaTpSarenH)anrhcnMNdI karEkI KINPaBRsUedI GkTij R)afacg)an.
CaBesseTAeTotenah KWarganval fngRokbedayPaBRtmRtUCak;l akénKMagsakI ,g)anCYyTbSát;
karfngedayeKbnM nigkarbgitel x -katecal knlyR)akbnpcbnf. ehlykardak:tabogäj tM RsU
edayEpkel karvaytM KINPaB eTAtamI kN³viTiasaRspdl eqlytbeTAngGaClkrmaslnknRsU nig
QjL EdI RtUkarRsUmanKINPaBI RoesT\TERoVl)ancU rhcnMNdI karEkI KINPaBRsU .

pl itkmRsbkskma)anbBj rchehlyntRmUkarküRsk . chMhRbCaCnsrb nigkarebl
R)asGgäsMbmäk²nigmankarFakclenAqablagmX . RokarenH manlyfakarBRgkTpSarküRskKlMh
GacrMg)aneLy . dteH karGPiD/h»kasEstyrkTpSarenAerKARbetSnigCaGEdI RtUkarca)lacCann
edM,GPiD/h]sSahkmRsuGgärenAkmca .

bcD,nikarnatcj GgäBRbetseVot Nam eTakanRbetseT²eTot kMgmanrkckMhxatj ehly
karnatcj RsUBkmcaTaeVot NamkMgmanrekheLbyagqabrHs . ekrMgfa RsUedI natcj eTA
eVot Namngbnl tI asnaeBl bcD,nñ . eTahCayagNakeday karnatcj RsUbskma kMgeFV
eLgküsänPaBminGMNaypl EdI minmanRbVsbatcj plkar nigmansBPAB . QjLeVot NamkMg
Tij RsUeTAtamI kN³EdI GnaKah ehlyRbetSkmaCamanCMhTpSartictt . karpesbhsänPaBEbb
enH KWakarRbQmmlyEdI RtUel I kedahRsay .

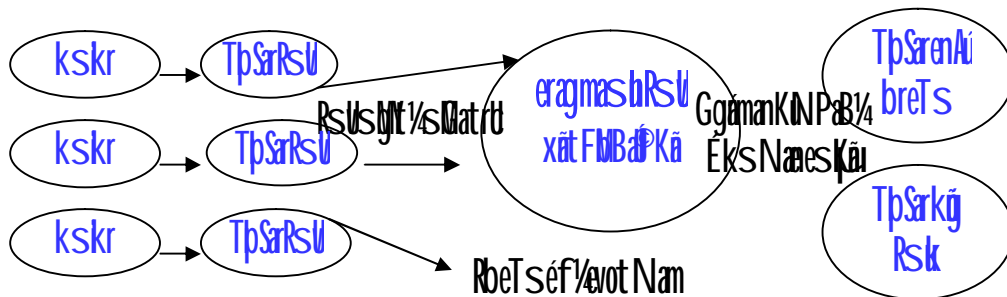
RbsnebRsUnatcj eTARbetevot NamRtU)anbBaabCabnInenah tM RsUenAel TpSarküRsk nig
Fakcl ehlypl itkmRsu nigFakclerchKY [ktsMal ; . eBl enah KWskrkmcaEdI RtUTTV
hanPly . dteH edM,CHj]sSahkmRsuGgärbkskma karFana)annUsBPABnatcj RsUeTakanEt
RbetsefVot Nam KlMhRkbKaneT kbnpa)lacRtUESyrk»kasnatcj eTakan;TpSarRbetSTI3 stab;
GgäpgEdr .

r karGegat)

fMoltanTsSn³sBkarGPiD/h]sSahkmRsuGgä TpSarRsUebkcMhKWkanEtCakargarEckcay
mlykij cM NamkargarEckcaynanakp EtvaGacCa]bkrNmlymanRbeyaCnyagxatjstabsMhc)annU
RbVsbänRsUbmU plly nigKINPaBmanEksNanesKäl YenGgä .

rd 7-3 xagekambgaj nul mdrshaeBI GnaKt Edl ngRtUromU nigpa'pajedayTpSarRsu ebkcLh ehlybnabomkknnyagykcitfukdak; . cgeRkay GganngRtUykeTApApajTpSarkjRsk nig TpSarbretS . naeBI bcD,niRoetskmCa naltj GgaeTakanRoetsSngbd . I . edaydakenAkj kgetnEdl Cacmhtictén»kaseFDmJ . eTahCayagenHkpenARoetskkmCa naeBI bcD,niinTan; manGgkarnaltj -Gknaltj ; smobrmaNnaltj Fmfar-erchCag5>000etanmYnava ; énCMJ Gga Edl manl TPabckicSnia edayepmecj BbecCafvkaKarRkRkg nigmankareCCakBGknadU eLly . vatRmU[mankarel isyI TPabenAeBI GnaKtedm,haaltj Gga tamry³karnaltj RsetTakan; Roetséf ngevotNam .

enAeBI CamYKäenHpgEdr kuzan³CaGksm dI karnaltj RsetTakanRoetsévotNam dtch RtUmanthaTbman\TBI BakBhngsmPaBsktik karEkl MKINPaB karbeghel ,ncatEcgel bak; bBaTmij nigkarRtYBhitIKINPaB . Gldl ekltmanenH ngnatArkkareFI[RoeseLgnUsanPaBcaj ; eRdorbskmCaenAkjkarnaltjlecj eTARoetséfVotNam . naeBI bcD,niinmanvFankarBessGv edm,ItbsatéLly . tamry³karhamXatkarnadU RsetApkaredayrdap)al RoetséfVotNam nigkarbnabefQü naltj naeBI bcD,ni belakecj nRbBxitefoQü naltj mankhtesKai eday rdap)al kmCa vangGacmankarekheLgnUkarnaltj RsetambNhj pikar .



rd 7-3bNhj énI mdrshaeBI GnaKt

eKrbigfa ngmankarbegitTpSare)ahdmGäenAPBj Edl CaTRkgFMY naeBI GnaKt smbeFkar EckcayGgakjRskdCaenATRkgHsakata)agkkkggh GBAEdr . karskSasBGPiDAnTpSare)ahdm nigTpSarnaltj rbskmCa)anel ksMNrenH eFCaTpSare)ahdmAtienAkjra)aykarN_.

7>4 t h a T b s ; T p S a r S u e b k c h m e n A k g k i C P i D / h e s d i e c e M h ;

{ R o v t b }

e k a l n e y a) a y B a k B i s i n g T i h s k m P a B e n T p S a r S u e b k c h m e n A k g t m n p l i t R s U E d I B a k B i s i n g G k I k ; K i t U R k b d N p e l e p e d I m a n R s U E h I C a 10 > 000 e t a n G a c n g R o m U) a n e d a y m i n s U c M N a y R) a k e R c h n i g R t U R o m U R s U e n A e p k x a g e d m (u p s t r e a m s i d e) e n b N p j E c k c a y - k a r R o m U R s U e n A e p k x a g e k a m (d o w n s t r e a m s i d e) b N p j E c k c a y K l i n m a n I k N ³ s n S e L y ; . B a k B i s i n g G k T i j K l i n m a n e k a l n e y a) a y d a k e c j e d m , k i t ; T i h s k m P a B e t e d a y e h t i f a G k T i j C a e r c h m k B i t b a y -] T a h r N _ m k B e x t p l e T e T o t / B R b e T s e v o t N a m ;

k a r b e g l i T p S a r S u e b k c h m y n i g k i t ; T k E n g E d I R t U b e g l i m C a m N U E c k c a y s M a b e F k a r p S B V p S a y G i l l k N ³ g a y R s I e n k a r e F C M j n i g d k C B a h . e n A T k E n g T a j e n a h s k m P a B C M j R t U) a n e K e F V y a g e k o r k a r e T a e h y ² k a r b e g l i e L g n U T p S a r S u e b k c h m n g n a l m a n s n i k a n e t x o j k a e L g f m e T o t d l ; I h t B a N C k m p i g s M a r ³ t a n r y ³ k a d a k e c j n i k a r E c k c a y R s U .] T a h r N C a k E s j K W a r b e g l i k a r g a r e d a y s a r t m U k a r k m a j B I k m s M a b o b k a r e n A T p S a r S u e b k c h m n i g k a r b e g l i e L g n U k a r i y a l 1/2 F n a K a r G k I k C I G k I k P K a b B C n i g e P a C n d a n . b e n m e l e n h G a K a r s a k e n A s M a b Q j u n k B i t b a y k i n g C a k a r c a M a c m y B a k B i s i n g a n y n g G a K a r s M k a r g a r b s ; T p S a r S u p g E d r .

P a k e R c h e n G k E d I m a n k a r B a k B i s i n g k a r R o m U R s U C a R o e B N e n A t m n C n b T K W a G k E d I m a n \ T B I e n A m U d a n d t C a R o F a n P t h i n i g e m X M C a e d m . k a r b e g l i T p S a r S u e b k c h m G a c e F U [x t p I R o e y a C n G k R o m U R s U E d I m a n R s a b ; T a j e n a h . e d a y e h t i f a k a r K a r T n i g k a r y I d i g r b s G a C a F r m U d a n n i g s h K m n _ K W a k a r c a M a c ; e d m , I [d m N i k a r r b s ; T p S a r S u e b k c h m s t c) a n e C a K C 1/2 d e c h K Y C M j p S B V p S a y [B k e k m a n k a r y I d i g B i t s S n ³ r y ³ e B I E v g .

{ k a r v P a K b B a e p S g ² }

s t y G n p E d I T k E n g d m N i k a r K M a g s a k I , g T p S a r S u e b k c h m K W a T R o C M n C n b T m y E t v a C a m C a m N E c k c a y p l i t p l k s k m p e n H e b l t a n k a r e m i l e X i j X a j F R E d I e n A m a n e s s s I B C M a n e s , i g R t U) a n R k b R k g e d a y r d a e . T e n H e n A e t C a T p S a r p l i t p l k s k m p d t C a e c k C a e d m . T R o C M n e n H k e a m C a m N U] s a h k m C n b T p g E d r e d a y m a n G k p l i t m a s h e) a k R s U C a e r c h k B i g R o k b m x r b r r b s e k .

enH . brimaNCy dteTAtamKMan; nigcenaHeBI EdI KapuskmPaBCMN GaceFI [mixrbrCY] ddenH rntEt
 mankarRofyRofanEfmeTot . TpSarRsUebkclh mant hatbegitnubriyakasmYsMab; [CkN] manPaB
 RtmRtU nigytFm kZinpinngmanRbutkarNenHekiteLg TpSarRsUebkclh caylacRtUmankarRoOm
 ngkarKWKGBliskmPaBGaClvkmfbsxh edayxhEg .

7>5 kareCiserisTKEngsMab;TpSarRsUebkclh

[Rovtp]

TKEngsMabKtragsakI ,gRtU)aneCiserisedayBicarNafaetI RsUsI BitRmlkar GacpI it)an
 enAtMnenalEdrbeI? etGacrK)anXedEdI manRsabEdr beI nigclhGaClvkrmaslnkinRsUenAkjRsk
 EdI GacCaGkTij RsU . CaFmPaRsUsI BitRmlkartMnag [brimaN Eckcay nigXedEdI GacrK)an KW
 CaGEdI RtUkarCannsmabGnutKtragsakI ,g ehlyGaClvkrmaslnkinRsUedI GacCaGkTij sifenA
 xagerkAtIdn; KWal kN³vinciymyeTotshabeFkareCiseris . Epkel II kN³vinciyTajenHtlnclh
 3-man 4 extpnig11Rsk ; RtU)aneCiseris tamry³karskSaBnitul TPAB [eFIcaebkPaBSMabeCIs
 eriseFIcaTiltajenKtragsakI ,g .

cab;taMBedmdMgmK KtragsakI ,g)ansntpykGaClvkrmaslnkin RsUeFIcaGkTij EdI man
 skpnBI enRsUedI RbmU)an . eBI enal eKrlhKitfa smtPaBkanEtFMU a nigclhGaClvkrmasln
 kinRsUkanEterch karRokEroECgtM kngmankanEterchpgedr . eTahCayagNakeday va)an
 bgaj [eXij fa karCabBakBhQjLidI CaGkTij KManSar³sMan; BeRbaHBkeKTij RsUkngclh
 erch² .

karGegatbzm bgaj fa manRskclh 31 enAkjextpclh13 EdI)aneFkarGegat pI it)anRsU
 sI BitRmlkarclh 10>000etan bel IsenH kngmyqam kngclhNamRskTajGsenal manRskxh KBl
 enACitIGabKaenAkjextptmy benAextppSgKa . edayeh tifa RsUGaceFItracrqqkatBRskmy eTA
 RskmyedayesrlvaCaRokarsmRsbsMab; tlnenahkpb;)annucegannmyenRsk .

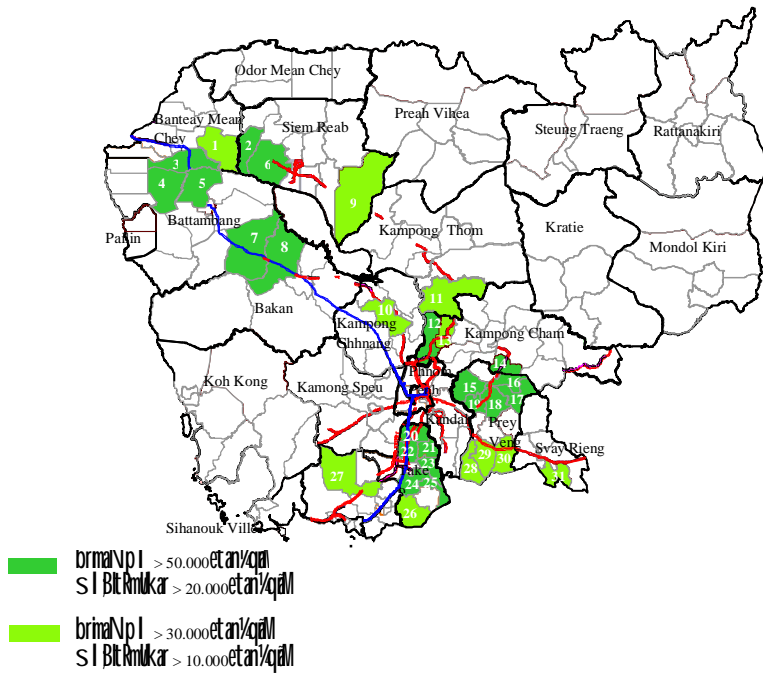
tarag 7-2³ RskEdI pl it)anbrimaNpl RstlelchRkasERkI nigsI el l sBltrnkarenAkgtltnskSarSaCa

el x td tdn;	extp	brimaNpl RocaM ³ eChCag 50>000etan brimaNel lstrnkara ³ eChCag 20>000etan	brimaNpl RocaM ³ 30>000 dl ; 50>000etan brimaNel lstrnkara ³ eChCag 10>000etan	cmh Rsk
01	bnlymanC%	mgll btl	RBentRBH	2
02	)atdlbg	emagbSsfKal beI		3
03	kBlgcam	)afay GtM	eChgRB	3
04	kBlgqatj		rl ab	1
05	kBlgsW			0
06	kBlgFM		)aray	1
07	kBlt		Qk	1
08	kNpl			0
14	eBEvg	slyGnp-eBEvg; kblaymar keBac Baraj kBlg: l ar	kBlgRtEbK/ BamCr/ RBhesp	8
15	eBaFisat;	)akan		1
17	esomrab	RkLaj /BK	CCatj	3
20	slyerog		kBlgerat x	1
21	taEkv	GgAbd)atIbtCl sar eBkb,as sblag RT atj	KHvgS	7
srb		20	11	31

[karvPaKbBaepSg²]

rtb 7-4bnlb; :RskEdI manbrimaNpl RstlelchRkasERkI nigsI el l sBltrnkarenAkgtltnskSarSaCa
cmh 4 EdI mansI Rstlel lstrnkara kblaymanC%)atdlbg/esomrab/)atdlbg/eBaFisat/ taEkv/
nigeBEvg/kBlgcam RtU)anbeglileLgBakBkSgtarag 7-2 . Rkmtltn;TajenH KQakarRomU plnRsk
EdI manbrimaNpl Rstlel lstrnkaraERkI . vanann%fa manbrimaNel lstrnkaraKb;
Rkans;labefkarC% dltackcay RbsinebltpSarSURTU)anbeglileLgenATkEngEFCMj entltn;TajenH.

RskEdI manbrmaNpI RskUch nig SI BItRnkka



- !- RskWBHenktNBH
- @- RskRkLaj ;
- #- RskmgA bul
- \$- RskbeI
- %- RskfKal
- ^- RskBK
- &- RskemagbS
- *- Rsk)akan
- (- RskCBkg
- !0- RskrI aablr
- !!- Rsk)arayN_
- !@- Rsk)afay
- !#- Rsk)CtreB
- !\$- Rsk)Gtrajk
- !%- Rsk)Baraj
- !^- Rsk)kEbac
- !&- Rsk)klaymar
- !*- Rsk)Btvg
- !(- Rsk)kBlgt ar
- @J- Rsk)ajl
- @- Rsk)EBkb,as
- @@- Rsk)Sblag
- @#- Rsk)GgAbd
- @\$- Rsk)Taj
- @%- Rsk)btE sa
- @^- Rsk)KtrgS
- @&- Rsk)Qlt
- @(- Rsk)BamCr
- @(- Rsk)Bhesp
- #0- Rsk)kBlgtEbk
- #!- Rsk)kBlgtax

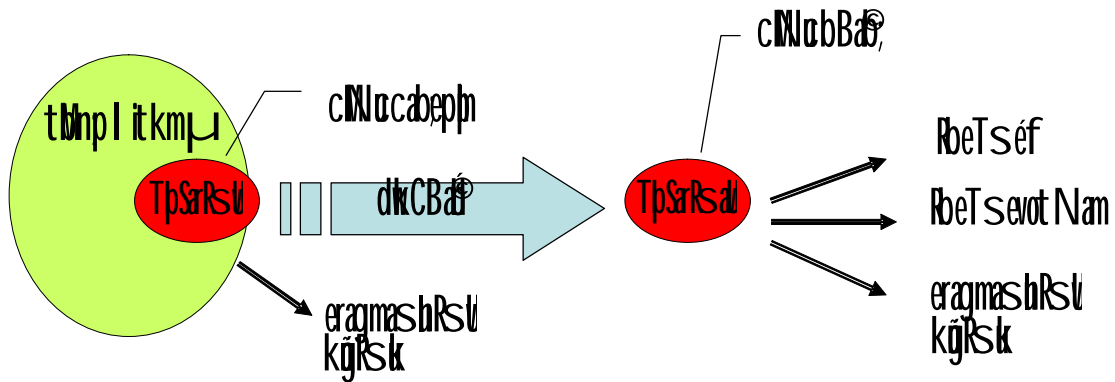
rb 7-4 ³ RskEdI manbrmaNpI RskU nig brmaNsi BItRnkkaRch

[karGegat]

bTBesaFnIajLayEdI TTV)anBKMag sakI ,g)anbBaak,yagc,asfa TpSarRsebkclhEdI sItEnAtIlnpI itRsu GacRbmU RsuBbegamRskmYcIhdtdmanBnul enAxageI I.

TpSarRsebkclhEnAtIlnpI itRsu KWacIlnUccabepnsIbbeFkarCj) dt ehlymU danmaXFbj kayeTAcachicgjbBa, . ehdaenasmikshkCBad -pufil Tenot;tpabchicabepn nigchicgjbBa, eFCapumaXFbj . eKKitfa TpSarRsebkclhKVRtUbeigteLgenAel ptenah . eTahCayagNakedlay karbenfkgarptkaptMij KWaGEdI RtUetmanenAkigrNEdI begiteLgenAel ptenah . enHmannY fa TpSarRsebkclh KVetsItenAeChicabepn nigbbechicgjbBa, RosinebbrimaNRsUcayacGac rk)an dtmanbBaikenAkigrb 7-5.

cNlorBlyTk énTkEngsMbTpSarsUebkclM



rb 7-5 cNlorBlyTkénTkEngsMbTpSarsUebkclM

mU danmaXFg bgäj nURckTarsMbnabj RsUeTARbeTséfAvot Nam . enAerKamsänPaB bc®,nrikarnaRslucj RbeTséf KMonaymanCY)atdMg nigecj eTAvot Nam KBitakv/ABEv .

kúkrNImancjJayCitBcMocabepñenAkúgtMnpI itkmµeTAcMocBa®, EdI CaRckTárnabj eyagslyGnþ nigBamrk/ mgÁ btenAbnaymanCY) nige)ayEbt ; GactRmU[manTpSarsUenAcMoc TaJBr bkenARTg[etcmocBa®,CitRckTárnabj EdI GacRkbdNþ,tMnpI itkmµ

eRkayBkarvPaKdt)anerdrabxagel I TpSarsUebkclM GacRtU)ansMal dttenAkúgtaragxag eRkamedayBicarNaGBITatJrb sva nigkarkMtt;TitatJpmaXFg .

I kN³vnicy)smo, Mal ;TpSarsUebkclM KútGik NaCaGikI k; -kskr/GikRomU RsU; etGik NaCaGikTij -GaClkrmasbkinRslkúRsk/QjLnabj eTARbeTséfAvot Nam rñTatJQjUkmea EdI tM Nag [QjLevot Nam ; . bEnñBel enH vamansar³sManEdI TpSarenHGacecj cu)anRsl slab; GikeRbR)as;manny)faGaRsy)el ITtatJkEngEdI cabepñ . enaH KvitatJéndM Nakkal maXFg .

taraj 7-3 karsMal RbePTTpSarRsUebkcM

RbePT	TltatEckcay	GkI kcbtg	GkTij cbtg	TkEngTpSarRsU -]TahrN;
RbePTsitenAtMn; pI it km	Epikxagel 1/2cMucab;epn sMbdkCBd -Tnk;Tmg pbl CamYkskr EdI man LRSUt ²	kskr	GaCvkrmasbkn RSU > Qj	mgA bdl-bnlymanC/2;)akan -eBaFisat; slyGnb -eBEvg;
RbePTbnln;-tMn;TU M TU ayBakBd I it km mlyEpik;	Pakech Klpkxagerkan BakBdEpikxagel mly Epik	kskr > GkRomU RSU	Qj GaCvkr masbknRSU	GgAbd-takv;
RbePTsitenAtMnEck cayTMM ay	Epikxagerkan 1/2cMucab ecj sMbdkCBd -CaEpik eR)asrbsQj	GkRomU RSUzbm/4 bnb;> kskr	Qj GaCvkr masbknRSU	e)ayEbt -bnlyman C/2; Bamrk -eBEvg;

Katagsakl ,grtU)ancat;Tkfa CaTpSarRsUebkcMhenAtMnpl it km miageTot TpSarRsUebk
cMhenAkjcbNamQjKlEtniyayfa CaRbePTsitenAtMnEckcayFMU ay . Gacniyay)anfa TpSar
TajBrtU)andakenAEpikxagel mly nigEpikxagerkanenI hthmaXFgmly .

TpSarRsURbePTsitenAtMnpl it kmKlEtniAETkEngEdI RSUGacRomU pI it kmEfkarnab;j eTA
kanRbeTsefawot Nam nigEkckin sMbdkCBd)askjRsk]TahrNdtCa enAEBEvg nigbnlyman
C/2 . eTahCayagNakelay vamanI TPaBbegit TpSarRsURbePTT2 nigTB enAkjcegAmRskEdI man
brimaNRsUsI BltRmlkardEdI [EtmankskreR)asesvananarbs;TpSarRsUebkcM eRchCag
I TPaBedI TpSarRsUebkcMmanRsabGacpI)an .

TkEngsMbd;TltatTpSarRsUebkcMfmjar enAkjEpnkarbegit TpSarRsU KlmanbBaakenAkjrtb
7-3 xagerkan³

kuonNameKal neya)aypl itkms,og ekal neya)aybeghpl itkmsUtamry³karGPiD/An_ RbBisSacRSB nigCij becvCadabH RtU)ankhtCaekal neya)ayEdl sManbpt . enAeBI Ca mYKenHpgEdr sBifH karsgaF(RtU)andakeTael karEkI KINPaBtamry³karEckcayRkabBC Edl manKINPaBxs; .

ekal neya)ayEckcayrbskmCaenAekamesdlecTpSar KMSMankarEckcayEdl minmandak; khit minRtmEtcBaRSUGgabNHeT EteRog\nh³pgEdr . pl itkmpigkarEckcayRSUGga KMin mandakkhitesaHeLy ehlykardakkhitkinmanpgEdrcBaHGkEdl BakBhngkicRarCy db nigvisy PVBsaRsp.

RoeTskmCaEdl CaRoeTskskm pKigCij karnatj pl itpl kskmpadm,tkcINU Carbyvtb breTs . pl itpl natj rihman ekAsUSENkesog RkabslycneBat nigGga . fihhinmanenAkog sikkEtCakEsjkarnatj RsU KManTihMNg .

karcrcaBhCatisBkareFhiytkmCMY eLgvij karl bb)atr)atjKysMabGgkarBaNCkmGop CatvMnBaNCkmsr/AEC/EPA)an nigkBgdbNrkar . kmCaenaeBI bcb,ninatj RsUeTakar; RoeTsefVotNam nignabU GgakNatef nigGgasMory³eBI nigtm Cak; ak; Edl CaCMY man I kN³eRkApakar el kEl gEtkarnatj CapakarNUGgamanbrimaNtictt . CMY ekApakarCaFmjamin manbgBnEdl mannyfasngEtminekRbc,abTmob; .

[vPaK]

ekRBigKitfa enAqamjartRmUkar nigpApRSUGangmansBPAB . edayehitfa kskrEstyrk kardabHRSUedl nigpl pl cMnj ekhdI Bkek rdaP)al cayMacRtUerobcMegtivFankarsmRsbeTA tamenaeDr .

ekRBigKitfa karEckcaynaeBI bcb,nidI minmandakkhitenaekamkarptephrbsEpkEkCn ngbnpTaeTot . esNarbyaEdl GacmanI TPABmyeTot Kifa rdaP)al dakecj nleKal neya)ayKal RTtM RSU Edl sBifHARoeTsefmanrEmkehly . eTahCayagNakedlay vatRmU[manmU dan hirBatKbRkanenAxagPaKrdap)al kmCa .

RbeTskmEaEdI sifenACabngRbeTséf nigevoT Nam bRbeTsnabCj GgáD7WagBf manskþ
nBI xsclBalkarnabCj RsU/Ggá . RbeTséf) ankeyeTACasmaCkénRbeTskBjGPI/D/AnEdI manPaB
eCnel OnyagqfyrCeTAehly² karnabCj GgárbSxhKkBgFakcd . bEnfnel enH RbeTsevoT Nam
RtU)aneKrbjKitfangcU rlnkqRkmenHnaeBI qab²xagmX . dEcheKrbjKitfa enAeBI GnaKtxagmX
RbeTskmEa nigel cmxel cmatenAkqCmJ RsU/GgáCal kN³GnpCatCamixan . vaCakCkarbnan;
sHbordaP)al edm,GPI/D/AnRbBfyEdI GacedaHrsaynukCkarGPI/D/AnenH .

[karGegat]

enAkqkmyEGPI/D/AnCatribskmEa karCmJ karnabCj EptkkskmKwæKal neya)ayKnHmYEdI
manCaybrcmkehly . kqnyenH karnabCj RsUkqchHhech²eTakanRbeTsCitxag EdI ekkBgemil
eXlj naeBI enH KwsbCamYngEpnkarGPI/D/AnCati . karnabCj RsUkqchHhech Kwal TþI enkar
ekheLgnUpl itPl RsU enAerKamkarEckcayminmankardakkHhit . eTahCayagNakðday CakEsþj
manbBaCærch dEcaGtil iPaBénGInacCativagkmEa nigRbeTsCitxag karykefQm minkHtenA
eBI dKCBaH nigvFankarRbBInCati nigkareFCmJ EdI xUPaBrtmRtU nigPaBytFmEdI minmanGtb;
RtU)aneK emil eXlj manenAkqRbeTs . GmBbkrI YkKqGtb; eFq karGPI/D/AnRbBfy,abc)acEdI
CabgSbBk minGacsBrc)an .

kal BeBI EdI kmEamankgUxatkarþpþes,og minmankarBicarNaGta)acBakBfyGsganPaB
tRmUkarenAkqkarCmJ pl itkmRsUkqRskelLy . eTahCayagNakðday karbnþkheLgyagqab;
rhþénbrimaNRsUsI BitRmUkarcab,tajBþM 1996)anbgU) mankarpl itRsUedm,SRmbSRmU Ca
mYngtRmUkarTpSar . f)okarEckcayRsUenAkmeEa KwgEpkyagxæjel karnabCj eTakanRbeTséf
nigevoT Nam EtCakEsþjminmanvFankarmanRostifPaBGvLy . karpl itRsURtU)anGnutþajRbfy
Rofan ehlyral karRbfy/RofanTajenahKWakel kskr .

eTahCayagNakðday edm,rkSanUkarFana)ankarEckcaymansPaB nigeCosvagPaBrcbrU
kqsgan rbPaBEbbenH minGacpsbþ)aneTenAkqry³eBI xb . edm,brdbCkKbxP)InTpSarRsUebk
clmY vaCakarCa)acRtUerdbCmeglitEpnkarmYedayTTV yknUhtkarNcAkEsþjEdI ektmaneday
minRcanecal nUsInPaBBit . eygmanCmHOfa \ryabfEbbenH nignaMArkkarerdbCmeglitELgnU
EpnkarmYEdI GaceF)an .

kareFhiytkmqLugvij nuBaNCkmpigkarl bbMatr)adBnky GaceFI[mankarERbRbV dI ;TpSar
RsUGaenAel BPBel aknaeBI GnaKt . kEInpenAkmeCa vaGacmankarI MakngelKarposbipkarCy dt
RsUPem²Etmg .]sSahkmqRSUGarbskmCa manPaBrngmbenAkogvisypI itkmqkEInmanPaBTn;
exSayxagkarEkéqñ nigmaXFg . vaminmanPaBgayRsV EdI fa kmCaangRtU)anpl ;[nuklanadu xE
edayRbeTsnana dtCaenAkogEpk.]sSahkmqkatedr .

enAekamsInPaBbcE,nánsgánCnbt nigvFankarRBIInrbsCati EdI minmankarGPiD/An_ kar
eFBaNCkmpCarOy²EtgrmI aPel e,abbBali . sIkogsinPaEbbenH TpSarRsuebkcIh tamry³
bTBesaFnénKItagsakI ,g)anbgøj [eXlj mankarekheLgnUCMY dtRsUEpkel eKal karTpSar
shb»kassMan² dtCakarfg)anRtmRtU nigkarbeglitE tamry³karvaytE el KINPaBeTAtam
I kN³viúasaRsp . ehlykarEkI KINPaBRsUedayTpSarRsuebkcIh Clj [mankarRokE/RoECg
nabCj shbRSUGarbskmCa ehlysgQmfangGacTbsát)annukarnadu RsU bkarFakclitE xE
edaySar\TB I énRbeTscitxag . RokarenH GackatbnRy)annUhanPyrbsskrdtEdI)anel k
eLgxagel I .

7>7 kaGPiD/AnBnE,abshb;TpSarRsuebkcIh

rRovtpj

RbBnE,abEdI RtUkarshbGPiD/AnTpSarRsuebkcIh dtCac,ab;TpSare)adHMI itpl kskmpj
shdaRSUGa nigc,abmrtasaRspKItstman³sMan; .

c,ab;TpSare)adHMI itpl kskmpjKImankarCabBakBnE)ngkarbeglitTpSarRsuebkcIh . shdaRSU/4
Gga nigc,abmrtasaRsp KImankarBakBnE)ngkareFCMY RsUenAÉTpSarRsuebkcIh . KN³kmaEkar
klickigRsk (Codex Domestic Committee) KwaGkTTV xisRtUclBalkareFbmaNlykmqshda
nly kmqRSUGa . GaCaFrredEdI TTV xisRtUBRngc,abmrtasaRspKItstg]sSahkmqur: nig
fanBI .

cbBalsjdaGga -RSU; KImanesckpRBoepmxEEdI)anerdobMLg nigefikarsakI ,geRbR)as;
enAkogKItagsakI ,g .

[vPak]

xmsarsMan²enAkjg,ab,TpSarrbsevtNam nigéf Kllandtxagerkam³

RbeTsef³ bTbBaénnaykdanBaNCkmpkjRsk sllb,Chj karbegltTpSarkNpl énTmij
kskmpBs2541-1998 !:

- c,abenHrtU)anGnmKenAqm1991 ehlyeFvesaFnbnapel krémkehlycab,tajBBI enal
mk .
- Giktakftgc,ab;-saCl/km/,BaBCaedKlmanKltKpklit/ smaKm/ Rkmkskr ;dakBaküsMar
GnBaétbegltTpSarmly EdI mansBbEckcaykjRsk .
- TpSare)aldMl itpl kskmp,TpSarkNpl (RtU)anEbgEckecj CaTpSarSUWAKabFBaCat/
TpSarbEnKpQITpSarbSstVhigTpSarRtl .
- TpSarSUkYmanéplTMB/2 hita bFQagenH nigsRtenAcmy 30Km bel IsBenHTpSarSU
deTeTot . cMnHpkénXajKYman 1000etan bel IsBenH ehlyenAeBI CamlyKienHedr RtU
manpl nUTll aneFGBebtgshbhal sljt bmanpl arad -bmsllb,slkTkRkabFBaéti ;
nig]bkrNeFhtskNPAB .
- esvakmfidll pl edayTpSarrhman val fig dlcBaé slkTk hriBaé,Tan kareplpklTmij nig
-sljt! . éfQll esvakmpinel IsBbHhEdl klit,edaySbEckcaykjRsk .
- TpSarmankatBkic@karpSBpSaytM eFDMJ dtl .
- TpSarSUmankatBkic@SgrkGkTij kEnpinGnBaati[cll rnkjgkicRarCY dteLly vaEl gft
kjkrNmankarel kel g .

RbeTsevtNam³ :Rkitic,abrdap)al el x 0212003%ND-CP cléfTll 14 Exmkra qm003 sBl
karGPiDAn_nigRkbRkgTpSar :

- c,abRkbRkgkarGPiDAn_catEcj GgkarRbtbtpvniyaksagsg; karCYsCu EkI M nigkar
eFDMJ énTpSarI krayCaRbeBNI . c,abenHminRkbNpel (Sare)aldMl nigpSarI k;Tmij
TmbeLly .
- TpSarRtU)andakCaGakarsaFarN³enAerkamEpnkarGPiDAn_sdléc@gh .
- GaCaFrBakBvshman KN³kmaEkarRoCaCnmU dan bEnHbEl RksyBaNCkmpBksyEpnkar
nigvniyK nigRksyghriBaé. cBalkardMnkarTpSarvij KN³RkbRkgTpSar KWaGkTTV
xSRtU .

- TpsarI krayRtU)ancatecj CarbePT eTAtamTihMeMhEbgEck;
- fvkasagsgRtU)anpI edayshRKasChij vneyaKnCal kN³bKA kmPirBa0t0 nig rdaP)al ehlyKN³R0tbtIkar RtU)aneRCiseritamry³karedj ef0.

sItenAekameKal neya)ayesdec0c0,nIdI tRngeTArkTpSar karEckcayGga KMinmankar dakkMitTajRsg . eTahCayagNak0day CakEshj karEckcayminmanvFanc,ab; karRokvRbECg eRchhYs nigI kN³TtAenPaBsmehTpI EdI factMhGkticK0achMhGkx0j KMinGacTbspt)an . edm,I[TpSarStb0kchTTV)annUPaBEkraCiEpkiesdec0xN³rkSa)annUcrkCal kN³saFarN³enah karKATBrdaP)al enAk0jTRngGPiDAnRbBhs,ab;K0aRokarcaYac; .

r karGegat }

bTBesaFnBKMagSakI ,g)anbg0j [eXij fa karR0j abR0j al eFkarGPiDAnRbBhs,ab; KMin caYaceLly . vaminEmnCas0nPaBEdI tRmU[mankarGnm0zTpSar ()anqabr h0senahET . c,abEdI ep0teTaeI karChij pSB0Say GacmanR0eyaCn0agc,abEdI ep0tel kardakkMit EdI mincaYac; . Cag enHeTaeTot vaCabBa0F0F0EdI c,abS0maRtasakSfdI manrcmkehly minRtU)anekeFkarGegat ()an t0ng d0c,abd0eT0t .

SjdaGgakRmngman»kasRtU)aneKGnutpdaykarbgitbg0Nas; enAk0jmaXFgesrhaeBI bc0,n0 EdI RokarenH K0sK0ngry³eBI EdI sItenAekamankarRkbRkgedayrdæ . eKacBBNnaG0I sjdaenHfaCa yfaRbePTGgaenAeBI EdI kgT0z nigI0=0I IsRtUkarer0c0kSaredj ef0A0p0; . enH mannyfa sjdaGgaGacRtU)aneKGnutpF0caKal edAenkarEkI K0KNPaBCarbePT 0ns0yRkbRkG K0NPaBmlyEbb .

esckpR0gkareF0maNlykmI0eF0mansjdar ; Gga RtU)andakChKN³km0Ekarkdick0Rsk (Codex Domestic Committee) eyag]bsmk0; r0ehly . EteTahCayagenHkpkariyal 0 kakk0 RtU ; minTaneXij ep0nd0N0rkarGnutp0argarenHenAeLlyeT . K0MagSakI ,g)anBhitiemll esckp eR0gSjdaR0UedayCakEshj .

esckpR0gSjdaR0U EdI RtU)aneF0tspnAk0jK0MagSakI ,g p0 p0 n0RbBhsatc0Natfak; K0NPaBR0mly . k00np karEckcayR0UCakEshjmkTI n0geBI enH minRtUkarSjdaeLly . k0t

sMnénRSU nigkMickMepSg² EdI sñkögM NamvtRtURtY Binitü enAkügesckpRBogenH EdI man
dtCa kMt sMnM/KabGgäRk hm/KabGgäeBHSaM nig)ak/KabGgäxt¹kMickMepSg²1/Kabx/Kab;
GgäeBj Caedm BitCa)anqñBäñenAkü karkMt,tM I kdttamry³karKNna . cñBävtEdI RtURtY
BinitüdeTeTot KñkI k; nigGkTij eFkarccarKäedm,kMt,tM eTAtantM vPakKNPaB . CakEsj
GkTij mankarykcitFkdakkanFetercheLgeTAel RKabGgäBNRk hm nigRKabGgäxt .

dt)anerdorabxagedmrtmkehlyfa esckpRBogsgdaRSU pñ nütM ekal edAsñbytñmY²
EdI RtUeFkarRtY Binitü EtvaminEmnCasjdasñabCañBñs atcM NatfäkeLy . ekrñgfa vanigkayeTA
Caekal edAKñNPabtamry³kareFñ[sñdaenHkoyeeTACaTmabmYEdI RtUGnutpñeBI GnaKt . kññp
vañEhI CangminRtUeK)anGnutpñARbetSkmCaET edayehrtifa minmanQññefñot NamGnutpñTA
tamsñdarbseKenAkü kareFñññ CakEsjgeLy .