

RBHraCaNacRkkmCa

Cati sasna RBHmhaksRT

I kxNDTAénsjgdabecReTsGKÁsnl
kõRBHraCaNacRkkmCa

Ex emsa qãM2004

erobcMnigRbkas [eRbedayRksy] sSahkmpu Er:

nigfamBI GnøI am

tamkarkM trbsc,absBGKÁsnènRBHraCaNacRkkmCa

matka

CBUKTI 1 3 bBaftTETA

EpikTI 1 3 niymn%

maRta 1 3 niymn%

EpikTI 2 3 eKal bING visal PaB nigI kxND kqkarGnwtp_

maRta 2 3 eKal bING

maRta 3 3 visal PaB

maRta 4 3 I kxND kqkarGnwtp_

maRta 5 3 GnbbBaftp

EpikTI 3 3 KINPaBGKIsnl

maRta 6 3 tgsuq

maRta 7 3 rHkg;

maRta 8 3 ninnPaBenkarptpGKIsnl

EpikTI 4 3 karbgareRKahmhnpayGKIsnl

maRta 9 3 karbgareRKahmhnpayGKIsnl

maRta 10 3 karbgareRKahfakbNpI mkBmeFua)ay GKIsnl

maRta 11 3 sutPaBcbBaHGkTB

maRta 12 3 karbgarkarxtmeFua)ayGKIsneday rKahFmQati

EpikTI 5 3 karbgärmin [daccrnGKIsnl

maRta 13 3 karbgärmin [daccrnGKIsnl

EpikTI 6 3 karEfrkSabisan

maRta 14 3 I kxND KarBsjdabrisan

CBUKTI 2 3 I kxND TETA smbmeFua)ayGKIsnl

EpikTI 1 3 I kxND TETA rih

maRta 15 3 SjdadaEdI RtUeKarBtam

maRta 16 ³ GaykaI émeFúa)ayGKÁsni
maRta 17 ³ karPabExSdl
maRta 18 ³ kartPabExScM g
maRta 19 ³ RbBkKmnakmn_
maRta 20 ³ PaBRtmRtUénnalKasgGKÁsni

EpikTI 2 ³ I kxNÉUTAcNBalmeFúa)aypl itkmp]NGKÁsni
maRta 21 ³ Lclhay nigeRKQgnábbnSibSya
maRta 22 ³ Tbhclhay nigeRKQgnábbnSibSya
maRta 23 ³ Tbh]sh nigeRKQgnábbnSibSya
maRta 24 ³ mashehHkú -masheRbBisgrj Rcan eTAmk; nig
eRKQgnábbnSibSya
maRta 25 ³ Tbh]sherbKMAsl mgeTot nigeRKQgnábbnSibSya

EpikTI 3 ³ I kxNÉUTAcNBalmeFúa)aypl itkmp varGKÁsni
maRta 26 ³ Tmb; púTik eragmasbGKÁsni nig eRKQgnábbnSibSgeTot
maRta 27 ³ karbgárkarxteragcRkvarGKÁsni
maRta 28 ³ TbhGRdú ic nighSenraT½

EpikTI 4 ³ I kxNÉUTAcNBalmeFúa)aypl itkmp epSgeTot
maRta 29 ³ famBI kektelebvij ehSenraT½cl ½ nig varGKÁsnFuttt
maRta 30 ³ meFúa)aypl itkmGKÁsnedayTkbbsk nigmeFúa)aypl itkmp
GKÁsnhyEkGr

EpikTI 5 ³ I kxNÉUTAcNBalmeFúa)aypl itkmp EeckcayGKÁsni
maRta 31 ³ I kN³énExScM g
maRta 32 ³ karTbsátkareLgel begál GKÁsni
maRta 33 ³ emKINsutPaBrbsExSRsat nig ExSdlénExSbNbj Gakas
maRta 34 ³ kareRbExSbNbj GKÁsni b³ ExS KmnaKmnEk,rKá nigrhKá
maRta 35 ³ ExSbNbj kbdl

- maRta 36 ³ karkarBarTI crnpl Is
- maRta 37 ³ karkarBarTI nigkarqgbHdl
- maRta 38 ³ RbBWS SCADA S MAbmCÄmN# EbgEckGKÄsni
- maRta 39 ³ cM NatfäkkarPabExSdlS MAbExSbNþj GKÄsni
- EpikTI 6 ³ I kxNNTAcM BahmeFüa) aybBað tgsügxS;
- maRta 40 ³ karkMtbegÁI RExSGakastgsügxS;
- maRta 41 ³ emKINsuttPaBénRbdabRTFanastab; ExScM g nig% ExSdl énExSGakas
tgsügxS;
- maRta 42 ³ karkarBarTI nigrn#s MAbExSbNþj GakastgsügxS;
- maRta 43 ³ ExSRsaténExSbNþj GakastgsügxS;
- maRta 44 ³ KmætrvagExSRsat nigbegÁI TRmenExS bNþj GakastgsügxS;
- maRta 45 ³ k#sExSbNþj GakastgsügxS;
- maRta 46 ³ KmætrvagExSGakastgsügxS; nig meFüa) aydeTeTot bedmeQI
- maRta 47 ³ karbgárrc# BaherKaHfäk; nigkarrMan eRCótERCkBGabDc süg
eGLicRt#þTk nigGabDc sügeGLicRt#aej Tic
- maRta 48 ³ JbkrNcabcn#caI
- EpikTI 7 ³ I kxNNTAcM BahmeFüa) ayEckcay tgsügmFüm nigTab
- maRta 49 ³ begÁI TRm
- maRta 50 ³ ExSbNþj Gakas
- maRta 51 ³ kM abemkanicénGlsLLaT½
- maRta 52 ³ Rtgs#haT½ tgsügmFümTab
- maRta 53 ³ JbkrNkarBar
- maRta 54 ³ k#sExSbNþj Gakas
- maRta 55 ³ KmætrvagExSbNþj Gakas nigvt#eT eTot
- maRta 56 ³ I kxNNTAcM CitKä nigkatEx#KäenExS bNþj Gakas
- EpikTI 8 ³ I kxNNTAcM Bahkartem# ExSGKÄsni k#geKhdan
- maRta 57 ³ kM GlsLg;

- maRta 58 3 karPabExSdl
- maRta 59 3 karkarBarTI ngcrnpl Is
- maRta 60 3 karkarBarTI ngkarggbHdl
- maRta 61 3 karerobcMkSkjGKar
- maRta 62 3 eRKqRbdabénbNaj GKIsnkjGKar
- maRta 63 3 kartembRbdabeRbR)asGKIsnkjGKar
- maRta 64 3 karerobcMkSGKIsnCabKä ngkatExjKä enAkjGKar
- maRta 65 3 kartembRkAGKarkjTitajGkeRbR)as;

CBKTI 1

bBafpETA

EpkTI 1

niymn%

maRta 1 ³niymn%

enAküI kxNITTAénshgdabecReTS GKIsnl RbshebBMankarbBaákxmsarepSgeT BaküTabü
LayCabnbnabenH RtÜmanniymn% dtkarBnül xageRkam³

1> Tmb;

:Tmb; : KWaeXOnTb;TikEdI sagsgelgedm,ITb;Tikhü bedm,bEgIvaeTAKankEngTTV
sMabpl itGKIsnl edayrabbBaü TabüRKH nigerKÜgrmpSWabüLayrbs; vaditCapü
begür .

2> karTaj ExSkübbü;

karTaj ExSkübbü; : KWavFitembümysMabExSbNüj kbdl EdI ExSkabRtÜtemgenA
kübbü; .

3> G>G*

: G>G* : KWaGkSrkaténGaCaFrGKIsnkm&a .

4> ExSbNüj GKIsnl

ExSbNüj GKIsnl : KWaEpkmyénmeFüa)ayGKIsnlMabbBaü bptpüGKIsnlEdI tPab;
sänly Gnsänly sänlyEbgEck nigkEngelbR)asGKIsnl EdI rhmanExSbNüj
RbdabkarBar nigRbdabppc;Pab; .

5> meFüa)ayGKIsnl

meFüa)ayGKIsnl : mannyfameFüa)aypl itkmp GKIsnl Gnsänly sänlyEbgEck
ExSbNüj GKIsnl mCÄmNü EbgEck edayKitTabübrkäGkar Tmb; püTik
kEngskRbg\ng³ nigkEngcak; kaksNüI; . I .

6> brkäGKIsnl

brkäGKIsnl : KWameFüa)ayGKIsnlEdI manpk crnGKIsnl .

7> meFüay)aypl itkmGKİsnl

meFüaypl itkmGKİsnl : KWameFüay)ayGKİsnl smabpl itGKİsnl .

8> ExSbNbj tgsüüxs;

ExSbNbj tgsüüxs; : KWaExSbNbj GKİsnEdl mantgsüüxsCag 35KLÜÜ .

9> karerobcİKSGKİsnkğeKhdbn

karerobcİKSGKİsnkğeKhdbn : KWakarerobcM brkaGKİsnrbsGkerR)as; dtCakar erobcİKSGKİsnl brbdabGKİsnEdl temkğeKhdbn bkğGkarCaedmsMabeKal bİNg erR)asGKİsnl . karerobcMhInrabbBaP karerobcİKSGKİsnl Edl minEmnCa meFüa)aysMabkareR)asGKİsnl dtCa meFüa)aypl itkmGKİsnl bEnsnİly Edl)an temgenATenAHELly .

10> IEC

IEC KWaGkSrkaténBakü International Electrotechnical Commission mannyfaKNkmkar becRETS GKİsnGnpCati .

11> RbdabeR)asGKİsnkğGkar

RbdabeR)asGKİsnkğGkar : manGBU rgKİsnltgsüüTab GBU]spnKİsnl tgsüüTab nigRbdabeR)asGKİsnl smabpHnigsMabGaClvkmptgsüü TabEdl temkğGkar .

12> ExSerSam

ExSerSam : mannyfa ExSerSamEdl ersab edaybll İGTELn (XLPE) smabExSbNbj tgsüümFüm nigExSerSamEdl ersabeday XLPE bersabeday bll İnİll kV (PVC) smabExSbNbj tgsüüTab Edl RsbtamsarFatu énGİsİLgersab BRkAenah .

13> ISO

ISO CaGkSrkaténBakü International Organization for Standardization mannyfaGgkar GnpCatisMabkargarsıgda .

14> ~~kareRbR)asrInKä~~

~~kareRbR)asrInKä : KWaI kxNnyEdI ExSbNbj GKİsnhigIExSbNbj KmnaKmn_ maS:2 bechnak)antemjenAel begAI EtmY .~~

15> ~~GkkanGacabNİ~~

~~GkkanGacabNİ : mannyfa GkptpgeSvaGKİsEdI G>G*k)anptI GacabNİ .~~

16> ~~ExSbNbj tgsügTab~~

~~ExSbNbj tgsügTab : mannyfaExSbNbj GKİsEdI mantgsügmInel İSBl 600vİ .~~

17> ~~ExSbNbj tgsügmFüm~~

~~ExSbNbj tgsügmFüm : mannyfaExSbNbj GKİsEdI mantgsügxSçag 600vİ bİnİmIn el İSBl 35KLÜİ .~~

18> ~~RbBİS Nbj CatbBaİ GKİsİ~~

~~RbBİS Nbj CatbBaİ GKİsİ : mannyfaRbBİS Nbj tgsügxS; EdI CaçI xİgenExS bNbj bBaİ tPaçGİsİny_ nİgmeFİa)ayBakBİS atLayEdI maneKaI bİNgbBaİ GKİsİndM .~~

19> ~~GagTİk~~

~~GagTİk : KWaGagEdI rkSaTİkTİkedayTİbmİy beçh bedaybrİvNBİSİMİj . vamannypgEdrfa CaTİkEngEdI TİkRtÜ)anrkSaTİkkİbrİmaNFM .~~

20> ~~RTU~~

~~RTU KWaGkSrkaténBakü Remote Terminal Unit -] bkrN_bBaİBçmİy; énRbBİS SCADA EdI temjenAnİgmeFİa)ayGKİsİnİNamİySİmbeFİkarRtİ BİnİtİsİnPaB karxİxat dMİkar nİgSİmİb; bBaİBçmİykardMİkarmeFİa)ay GKİsİnİnah .~~

21> ~~SCADA~~

~~SCADA KWaGkSrkaténBakü Supervisory Control and Data Acquisition mannyfa] bkrN_Sİmİb; RtİBİnİtİtamdan nİgTİV Tİmİy .~~

22>karPabesva

karPabesva : K\WartPab;TitajGikeRbR)asGKIsniNamly CamlybNpaj Eckcay
GKIsnitgsüjTab edayExSerSamcmgGKIsni küekal bINgpApGKIsni[GikeRbR)as;
enah .

23>kareRbR)asEk,rkä

kareRbR)asEk,rkä : K\Wal kxTAnlyEdI ExSbNpaj GKIsni nig%ExSbNpaj KmnaKmn_
rbsmasEt1RtUtengAel begAI TRmmly .

24>GnisAnly

GnisAnly : K\WameFua)ayGKIsniSabbpTgsüj EdI küenahmanRtgsühaT½
]bkrNkarBarrn# DsSgT½ Rbdabp;c;]bkrNbltgsül Rtgsüha T½ernp
r)atgsüj RbBWSLkarBarsMabExSbNpaj GKIsnRBmTajorka nigRbdab; RTU
S\lab; RbBWS SCADA meFua)ayTdkmnaKmn_ . I .

25>begAI TRm

begAI TRm : K\WarcnasmsMabRTEExSbNpaj GKIsni dtCabegAI eQI begAI Edk
begAI ebtg nigbegAI bBgEdkxs² .

26>sAnlyEbgEck

sAnlyEbgEck : K\WameFua)ayGKIsniSabbpIkar pApGKIsni[ExSbNpaj EdI rihman
Rbdabp;c; DsSgT½ r)atgsüj RbBWSLkarBar/ RTU S\labRbBWS SCADA . I .

27>sgdabecReTs

sgdabecReTs : manlyfaCa sgdabecReTs GKIsnkjRBhraCaNacRkkm&a.

28>TitajGikeRbR)as;

:TitajGikeRbR)as; : manlyfa TkEngEdI ektemgmash brFan nigeRKGjRbdabepSg
eTotS\labRbR)asGKIsni .

29> pBTik

pBTik : manlyCaTtAfa RbLaynigeRKGjbnab; bnSWabLaydtCaTvtik nigsnP

bitok EdI naM crnTkbBaEATATbhnigbeBaJ vakjeTATenø nigbnp eTotedm,pl itGKIsnl.
púTk : CaTATArnpSdayRckbgúTkkU GagTlxagmxRckbgú RbBhSaMk mTYbh
eBagel kkS;Tk beBagCmj Tk bBgnalMk RbBhSaMkRkayTYbh ckecj nigmeFua)ay
epSg²eTot .

4>2 karRbgrbyk d l RtÚykcitTkdak; cBaHKMagGKÁsnkúkarerdocÚonkarénKMagGKÁsnl
karskSa smitT PaB RtÚEFAKúTsn³énckúis y yúGeggel hinpPaBbecReTs
esdte[©]ng hibaúte ehlyngGacTTV yk)aneday sgh .

1> kúkarerdocMmag karpl it karpM nigkarp(pmeFúa)ayGKÁsnl meFúa)ayTabj
enHrtÚEteGacdMnrkar ()antamI TPaBKINtsMabry³eBI Evg.
ehtolcHrtÚEtrbgrbykúskúkarerdocserisMar³ emKINsvtPaB PaBRsú
dMnrkarRsú edaH bpaAkúeBI EftaM nigCvCú .

2> kúkartemgmeFúa)ayGKÁsnl nigbrkGKÁsnl nigkúkarsagsmeFúa)ayGKÁsnRtÚ
EtrbgrbykúskúkarerdocserisMar³ karRkbrKkgkargarsagsgkúry³eBI
sagsg; .

3> kúdmnrkar nigkarEftaMeFúa)ayGKÁsnRtÚ Etrbgrbykúskú; kúkarrkSa ()
annUtnpI EdI)antRmÚ émeFúa)ayGKÁsnMabry³eBI Evg nigRtÚkarBar
brisánenAtúncúij ()anRbest .

4> enAkúkarbBaAbdMnrkarmeFúa)ayGKÁsnl RtÚykcitTkdakRbgrbykúskúBaH
bBaábrisán nigsgámenAerKayeBI bBaAbdMnrkar .

4>3 GkkanGacabNúny²RtÚerbr)asvskr békbecReTsGKÁsnEdI mansmtPaBsm
Rsbedh,ml xúRtÚkarRkbrKg kardMnrkarkarEftaM karCvCú meFúa)ayGKÁsnl
RsbtamI kúNúnsúgdabecReTs nigTb, Baúpsg²eTot .

4>4 kargarGKÁsnl dtCakarerdocúksbnúj GKÁsnkúekhdán kartExSkab kartemg
brkGKÁsnRtÚEteFVLgedayGkbecReTsGKÁsnEdI mansmtPaB . kicKarTámenH
RtÚEteFV()anRsbtamkarkúNúnsúgdabecReTs .

maRta 5 ³ GnúpbBaúp

1> meFúa)ayGKÁsnmanRsabEdI minbHbaI ; dI karsenArbsmúns stV rkúçati
GacGnBaúf (dMnrkarbnútrhútdI eBI EdI vaRtÚerdocMafú brtÚpásbú .

2> meFúa)ayGKÁsnmanRsabEdI bhbaI dI ; karsenArbsmúns stV rkúçati
RtÚEteFV()anRsbtamI kúNúnsúgdabecReTs kúry³eBI 2qám .

EpikTI 3 KINPaBGKIsnl

maRta 6³ tgsüü

6-1 sÿdatgsüü

tgsüüéncrnþasRtÚGnvtþamtaragxageRkam³

cINat;fák; tgsüü	Ednéntgsüü NthiNal ;	tgsüü NthiNal ;	tgsüü Gtbrma
tgsüüTab	600vü bþtCag	230/400vü	
tgsüümFüm	FMag 600vü 35KLÜü bþtCag	22KLÜü	24KLÜü
tgsüüxs;	FMag 35KLÜü	115KLÜü	123KLÜü
		230KLÜü	245KLÜü

kÿkrNEdI karGPiVDAvisÿGKIsnl enAkÿRBhraCaNacRkkmCa mantRmÚkarcaNackÿ
kareRbR)astgsüüNthi Nal ;NamÿEdI BMankINtkÿtaragxageI Rksÿ] sSahkmp Er:
nigfamBI Gacec] Rbkas [eRbR)astgsüüNthiNal enaHedayELk .

6>2 karERbRbÜ éntgsüü tgsüücrnþasenAcINcþáþÿtgsüüTab RtÚEtrkSa [)anRsb
eTAtamtémEdI kINtkÿtaragxageRkamtamkmttgsüüNthiNal énRbBÞs³

tgsüüNthiNal RbBÞs	témEdI RtÚrkSa [)an
230vü	kÿcenahBI 207vü dI ; 244vü
400vü	kÿcenahBI 360vü dI ; 424vü

maRta 7³ eRhkg;

CaRbcaRhkgKW 50EGKS . karERbRbÜ eRhkgRtÚStenAkjcenHBI 49>5 EGKS eTA
50>5 EGKS .

maRta 8³ ninpPaBénkarpÁpáGKÍsnl

1> karpÁpáGKÍsnl RtÚmanninPABRSbtam bTb,BaRtSpBll kxNtTAénkarpÁpá;
GKÍsnkjRBHraCaNacRkkmCaEdI ecj edayGaCaFrGKÍsnkmea .

2> kjkrNImankarpÁpácrnp karxERbRbGKÍsnl bkardaccrnpGKÍsnl GikkanGaCaabNÍ
TajGSRtÚEtRbgERbg [Gs;I TjPaB edm,Fana I kxNtmtasMabninPABénkar
pÁpáGKÍsnl .

EpikTI 4
karbgäreRKaHmhnpayGKÁsni

maRta 9 ³ karbgäreRKaHmhnpayGKÁsni
brkaGKÁsniRtÚttemgtamrebbEdl minbNþl [mankarqkGKÁsni GKÍPly nigeRKaHfák;
deTeTot .

maRta 10 ³ karbgäreRKaHfákþNþl mkBl meFúa)ayGKÁsni
meFúa)ayGKÁsniRtÚtemgedaymanvFankarNkarBar RtmRtÚmin [GkdNrkarbHBal dl ;
Epikmancrnþ EpikEdl ekþ nigEpikEdl maneRKaHfák,deTeTotrbsvaehly ngmin [GkdNrkar
GacFákBel meFúa)ayTajenahedayécdnü .

maRta 11 ³ swtPaBcMBAHCnTÍB

- 1> RtÚmanvFankarNsmRsb edm,ItbsátCnTÍB min [cU eTAKgbrév/NeragcRk
GKÁsni Gnsánly ngsánlyEbgEckGKÁsni .
- 2> RtÚmanvFankarNsmRsb edm,bgárCnTÍB min [eLgeTael begÁl RTexSbNþj
GakasGKÁsni .

maRta 12 ³ karbgárkarxtmeFúa)ayGKÁsni edayerKaHfMcati
RtÚmanvFankarsmRsb edm,bgármeFúa)ayGKÁsni [xtedayeRKaHfMcatEdl)an
BüakrNíkCammdtCa TíkCm; rntá rBäydl nigxül bkxatj .

EplikTI 5 karbgármin [daccrnGKÍsnl

maRta 13 ³ karbgármin [daccrnGKÍsnl

- 1> enAeBI meFúa)aypl itGKÍsnl NamYxtFFFI meFúa)aypl itkmpnaHrtÚEtpæcej
BRbBWSKÍsnedh, I [\ TBI énkarxt rbsva eTaeI RbBWSacmankMttictcbmtehy
EdI RbBWSnahGacmanI TPaB enAbnplNrkarcFmpta .
- 2> enAeBI manklmtrbBWSKÍsnkitelgkj RbBWSPaCamYmeFúa)aypl itkmpGKÍsnl
NamYkGpI it [RbBWSnah meFúa)ay pl itkmpGKÍsnl enahRtÚEtpæcej BI
RbBWSamedh, I [ehSenraT rbsvadNrkarcnptotedayKarbntk edh,rgcaMarEk
smklmtrbsRbBWSLgvij .
- 3> enAeBI EdI manklmtekteLgehlybHal ; dI ExSbNþj GKÍsnl tInEdI RtÚppc;
crnþtÚbnþy [enAcMttictcbmte edaykatpæcEtEplikNaEdI manbBað beRbVFI
smRsbdeTeTotEdI GacGnutþan.

EplikTI 6 karrkSabisþn

maRta 14 ³ I karrkSabisþn

edh,lgárkM[mankarbÞu brisþn meFúa)ayGKÍsnRtÚEtsmRsbetAtamc,ab; nigbTb,Baþþ
brisþnanaenAkjRBhraCaNacRkkmea .

CBKTI 2

I KONTAKTASMEFÜA)AYGKİSİ

maRta 18³ kartPabExScM g

ExScM gRtÚtPabKátamvFdtxagerkam³

- 1> ExScM gRtÚtPabKä ()anCabENnI ¥ ehlyerslsgrbsExScM gEdI trCminRtÚekh
eLgel lSBerslsgr; kgrNBMankartPabeLy .
- 2> RtÚeFyagNamin [smtPaBGlsllgrbsExSkab nigExSerSamfyctTabCag
smtPaB GlsllgkgrNBMankartPabeLy .
- 3> kgrkartPabExScM gEdI pl itBvtFatxskäRtÚeFyagNamin [ektmanekHeGLicRtÚ
KheLy .

maRta 19³ RbBkKmnakmn_

edm,FanakarpApGKlsnl()anRbest RtÚetmanRbBkKmnakmn_cab,Tab,TMak,TMgkgr
garpApgr; .

maRta 20³ PaBRtmRtÚénnaLkasgrGKlsnl

naLkasgrGKlsnRtÚmanPaBRtmRtÚ ytfm' nigsmFm' . PaBRtmRtÚénnaLkasgr;
CaTtARTÚmanI kN³dtxagerkam³

- 1> caBannaLkasgrGLicRtÚmkanic

RbePTGtifCn	fäk*
GtifCntgsügrxs;	0>5
GtifCntgsügmFüm	1>0
GtifCntgsügrTab	2>0

* kMtel Ygenfäknly²RtÚGnrttamsgda IEC

- 2> naLkasgrGLicRtÚic

RbePTGtifCn	fäk*
GtifCntgsügrxs;	0>5
GtifCntgsügmFüm	1>0
GtifCntgsügrTab	2>0

* kMtel Ygenfäknly²RtÚGnrttamsgda IEC

EpikTI 2

I kxPNTAcMBAhmeFua)ay pl itkmj NGKIsnl

maRta 21³ Lclmay nigeRKQgnabbnsMbs,va

21>1 vtFatsMabLclmaynigeRKQgnabbnsMbs,va

qabngbMgrbsLclmay qabngbMgkMkAxatj nigqabngbLclmay RBmTatleRKQgnabbnsM
rbs,vaEpikTajLayEdI BakBngkarrgsBaFxaqkqxsCag $0\text{kg}/\text{cm}^2$ -cabBenHeTA
ehAfaEpikrgsBaF; RtUeFvteFateIdI mankmajenka nicRKbRkan; nigmanI MgKml
KbRkanenAekamsitINPaB nigsBaFeFkarGtbrma .

21>2 rcnasmkfbsLclmaynigeRKQgnabbnsMbs,va

EpikrgsBaFrbsqabngbMgrbsLclmay RtUmankMtsvtPaBRKbRkan; TbTI;
ngPaBtantGtbrmaekamI kxPNTAcMBAhmeFua)ay bsbBaFeFkarGtbrma . kqkrNenH
PaBtantgminRtU [el sBkMtgNbaFtrbsvteFateLly .

21>3 snHbtebksMab,svtPaB

qabngbMgrbsLclmay EdI GacrgngsBaFhyskmt RtUetbBaknUsnHbtebok
svtPaBedm,bnfjsBaF .

21>4 RbBngp;Tk

1> RbBngp;TkRtUmanI TPabGacecosvagkar xbedaysarkMABLclmaykgsanPaB
mankarbeBa[©]clmayGtbrma .

2> edm,ecosvagI kxPNTAcMBAhmeFua)ay RbBngp;Tk; TkenLclmay LclmayRtUetbBaknU
RbBngp;Tkbtg .

21>5 karbitclmaynigTkeIdI pl;

1> Rckecj clmayenLclmay RtUetGacbitclmay)an .

2> Rckpl;TkenLclmay RtUetGacbit)anedaysyRbvtp ngyagCit .

21>6 Rbdabbgdecal smabLclmay

kqkrNenLclmayTkvil RtUebBakRbdabbgdecal EdI karBarkINkMTC ngedm,fkSa
kMtkB;Tk .

21>7 RbBwRttemll nigp|| sBað

LclmaynigerKQgnabbnSM RtÚbBaknURbBwRttemll edm,Rttemll I kxNBNkar
nigRtÚbBaknURbBwRttemll sBaðedm,karBarkarxt Lclmay nigerKQgnabbnSMsya

maRta 22 ³ Tbhclmay nigerKQgnabbnSMrbsya

22>1 vtFatsMab;TbhclmaynigerKQgnabbnSMsya

sLadqatj ngbBgrbs;Tbhclmay nigerKQgnabbnSMsya RBmTadEpikEdI
rgsBaF RtÚEteFBvtFafidl mankmalemkanic nigmanI MgKlRkBRkanenAerKam
stINPaBnigsBaFeFkarGtbrma .

22>2 rcnasms;Tbhclmay nigerKQgnabbnSMsya

1> rcnasms;TbhclmayRtÚmankmalemkanicRkBRkan; eTahCakjgeBI EdI Tbh
dBNrkarkjel ,ónmYEdI TbhclmayrtDI ; kjgeBI RbdabbBaæl ,óngeBI man
GasnæFiskmpaBkøday .

2> rcnasms;Tbhclmay RtÚmankmalemkanicRkBRkan;Tb;Tl ngTlMtbmaæn
rjI EdI ekteLgenAel)adagen nigs|| vil .

3>)adagenTbhclmayRtÚmanTgsmNggyagNa GacRTbnkedayesBPakjgeBI
dBNrkark nigminRtÚqabskricnI nigxRTgRTayxsRbRktRBmTadepkAhiskmNt;
enahET .

4> el ,ónxsbmttrbs;Tbhclmay nigbPabCamYehSenraT½ bTÚEdI enAel s||
vil CamYKáminRtÚCael ,ónenAcenæHel ,ón Gb,brmaænRbdabbBaæl ,ón nigel ,ón
GtbrmaEdI manrbsRbdabbBaæl ,ónkjgeBI manGasnæLly . eTahCayagenH
kødaykrNenHGacel kEl g)an Rbsneb)an erdo cmUvFankarRkBRkan;Tbsát;Tl ;
nigrjI kænæl ,ónxsbmttkjgeBI dBNrkarrbs;Tbh .

5> EpikrgsBaFnigerKQgnabbnSMsya RtÚmankmetsvtPaBRkBRkan;Tl ; ngPaB
tantngGtbrmaerkamsstINPaBnigsBaFeFkarGtbrma . enAkjkrNenHPaBtan
tngminRtÚ [el sBPaBtantngEdI GacGnBaðt)anrbsyvtFatenahET .

22>3 RbdabbBaæl ,ón

TbhclmayRtÚbBaknURbdabmYsMabektRmUclmaycu eTAKjTbhedaysYRbvtp
edm,Itbsátel ,ón nigfamBI beBaP rbsyakM ERbRbU \tQb,QR eTahbKjkrNI

mankarpsbpl kxTdnkkeday . RbdabEktRmÚChaycU eTAKgTbheday
slyRbvtpnHRTúmanI TPaBrkSael , (hTbh [TabCagGRtaEdI el , (hrebsRbdabbBa
el , (henARKamanGasnGac dMnrkar)aneRkayeBI mankaratpabcnk EdI)an
kMnt; .

22>4 RbdabbBaAbenARKaGasnmgRbdabpl sBað

1> Tbhclmay RtÚetbBaknURbdabpl sBað EdI manmxgarppl sBaðenAeBI TmM
énrjy (Rtú)anrkeXlj fahsBITMOnBaðti kgeBI dMnrkarrbs;Tbh .

2> edm,ecosvagerKahfákekiteLg edaysarel , (hhsKMNt; b* kxTdnRbRktepSg
eTot kgeBI dMnrkarrbs;Tbhclmay TbhclmayRtÚetbBaknURbdabmly
EdI katpbc;I hbcU éncMayedaysslyRbvtp nigRbdabbBaAbenARKaGasnmy
EdI bBaedayéd . enAeBI RbdabbBaAbenARKa Gasnixagel dMnrkar
eBI enaHsBaðbBaAbRkaGasnRtÚeteFkarpgedr .

22>5 RbdabkarBarsBaFel Is

TbhclmaynigerKQgnabbnSMbsyaEdI GacrgsBaFel Is RtÚetbBaknURbdabkarBar
sBaFel Isedm,bnjsBaF .

22>6 RbBnRtúemil nigRbBnpl sBað

TbhclmaynigerKQgnabbnSMbsyaRtÚetbBaknURbBnRtúemil ca)ac; edm,Rtúemil
I kxTdnMnrkar nigRbBnpl sBaðca)ac,edm,ITbsát; karxctaxaténTbhclmay
nigerKQgnabbnSMbsyakgeBI dMnrkar .

marTa 23 ³ Tbh]snigerKQgnabbnSMbsya

23>1 vtFatsMab;Tbh]snigerKQgnabbnSMbsya

cBaHsLadqatj nigbgrbs;Tbh]snigerKQgnabbnSMbsya EpikrgsBaF
RtÚetpl itedayvtFatu EdI mankwatjenkancrgmaRKbRkan; nigmanI MjKmrKbRkan;
ekamsitnPaB nigsBaFeFkarGtbrma .

23>2 rcnasmkbs;Tbh]snigerKQgnabbnSM rbsya

1> rcnasmkbs;Tbh]snRtúmankwatjenkancrgmaRKbRkanetahkgeBI dMnrkarkg
el , (gmyEdI Tbh]sn)anrtdI enAeBI RbdabbBaael , (hRKamanGasn)aneFkskmp
PaBkeday .

- 2> rcnasmkbs;Tbh] s~~h~~RtÚmankM abjenka nicngmaRKbRKan;Tb;TI ngT~~h~~atbrma
 énrj~~l~~EdI ekteLgenAel)adagem nigstú vil .
- 3>)adagrbs;Tbh] s~~h~~RtÚmans~~l~~NgEdI Gac RTbnk)anedayesBPakgjeBI d~~N~~Nr
 kar nigminRtÚqabs~~h~~ricnigx~~l~~RTgRTayx~~s~~RbRktIRBmTablek~~h~~h~~s~~kl~~N~~tenaHeT .
- 4> el ,ónxsb~~l~~trbs;Tbh] s~~h~~ nigbenSenraT~~h~~EdI PábenAel stú vil CamyKä
 minRtÚCael ,ónmy kúgcen~~h~~el ,ónGb,brma rbsRbdabbBa~~h~~el ,ón nigel ,ón
 GtbrmaEdI GacekltmanénRbdabbBa~~h~~el ,ónenARKaGasn~~h~~enaHeT . eTahCayagenH
 k~~h~~daykrN~~h~~enHGacel kEl g)anRbsneb)anerbcM~~h~~UvFan karNRKbRKan;Tb;Sát;
 TI ; ng~~h~~l~~h~~énel ,ónxsb~~l~~tk~~h~~jeBI d~~N~~Nrkarrbs;Tbh] .
- 5> Ep~~h~~kr~~s~~MaF nigeRK(ónbnabbn~~s~~Mo~~s~~yaEdI Carbs;Tbh] s~~h~~ RtÚmankMtsutPaB
 RKbRKan;TI ngPaBtant~~h~~Gtbrma erkamslt~~h~~NPaB nigsMaFeFkarGtbrma .
 enAkúkrN~~h~~enHPaBtant~~h~~gminRtÚel sBPaBtan t~~h~~EdI GnBa~~h~~trbsvt~~h~~atenaHeT .

23>3 RbdabbBa~~h~~el ,ónTbh] s~~h~~ RtÚEtb~~h~~akRbdabEktRmúeday~~s~~ Rbvt~~h~~úfamBI EdI
 RtÚcú eTAKúTbh] s~~h~~ed~~h~~m,karBarel ,ón nigfamBI beBa~~h~~rbsvak~~h~~l~~h~~mankarERbRbú
 \tQb,QreTahCakúkrN~~h~~mankar pas~~h~~bl~~h~~ k~~h~~z~~h~~N~~h~~bnk~~h~~day . RbdabEktRmú
 edays~~h~~Rbvt~~h~~úfamBI cú eTAKúTbh] s~~h~~ enHRtÚmanI TPaBrkSael ,ónTbh [Tab
 CagGRtaEdI el ,ónrbsRbdabbBa~~h~~el ,ónARKaman Gasn~~h~~and~~h~~NrkarekayeBI man
 karkatp~~h~~acGRtabn~~h~~ .

23>4 RbdabbBa~~h~~ARKamanGasn~~h~~igRbdabp~~h~~ sBa~~h~~
 1>Tbh] s~~h~~RtÚEtb~~h~~aknURbdabp~~h~~ sBa~~h~~ EdI manmxgarp~~h~~ sBa~~h~~enAeBI k~~h~~tr~~h~~l~~h~~ ½
 RtÚBnitieXlj fah~~s~~Bk~~h~~ltGnBa~~h~~tk~~h~~jeBI d~~N~~Nrkarrbs;Tbh] s~~h~~ .

2>ed~~h~~m,ecosvageRKahfákekiteLg edayel ,ónh~~s~~kl~~h~~Nt; b~~h~~ k~~h~~z~~h~~N~~h~~inRbRktb~~h~~éTéTot
 k~~h~~jeBI d~~N~~Nrkarrbs;Tbh] s~~h~~Tbh] s~~h~~ RtÚEtb~~h~~aknURbdabEdI Gackatp~~h~~ac;
 edays~~h~~Rbvt~~h~~ú~~h~~h~~h~~cú én] s~~h~~ nigRbdabbBa~~h~~ARKamanGasn~~h~~myEdI bBa~~h~~
 edayéd. enAeBI RbdabbBa~~h~~ARKamanGasn~~h~~myxagel d~~N~~Nrkar eBI ena~~h~~sBa~~h~~
 bBa~~h~~ARKamanGasn~~h~~RtÚEteF~~h~~skmpaBedr .

23>5 RbdabkarBarsMaFel s
 Tbh] s~~h~~nigeRK(ónbnabbn~~s~~Mo~~s~~yaEdI Gaceklt mansMaFel s RtÚEtb~~h~~aknURbdab;
 karBarsMaFel s~~h~~ed~~h~~m,bn~~h~~sMaF .

23>6 RbBwstt'emil nigRbBwstt'edil sBað
Tbh]sþ nigerKKögnabbnSmosvaRtÚetbðakedayRbBwstt'emil caMac; edm,RtÚ'emil
I kxNðNrkar nigRbBwstt'edil sBaðcaMacedm,I bgkarxtbs;Tbh]sþnigerKKögnab;
bnSmosvakjeBI dðNrkar .

maRta 24 ³masincðHkú -masincRbBstgrij RcaneTAmk; nigerKKögnabbnSM
rbsva

24>1 vtFatsMabmasincðHkú nigerKKögnab; bnSmosva
sLadjqáþ nigðgrbsmasincðHkú nigerKKögnabbnSmosva RBmTadjEpKEdI rg
sðaFRtÚeFvteFateðI mankM ablenkanicmaRKbRKannigmanI MjgKhrKbRKanenAeKkam
stNðPaB nigsðaFeFkarGtbrma .

24>2 rcnasmiðmasincðHkú nigerKKögnabbnSmosva
1>masincðHkú RtÚmankM ablenkanicmaRKbRKan; eTahkújeBI vadðNrkarkúel ,ð
EdI masincðHkúrtðI eBI RbdabbBaðel ,ðRKamanGasniðaneFvskmpaBkðday .
2>adagrbsmasincðHkúRtÚmanrcnasmiðI GacRTbnk)anedayesðPaBkújeBI dðNrkar
ehlyminRtÚqabskricnigxtRTgRTayxisRbRktI RBmTadjEpKEdI hyskMtenaHeT .
3>EpkrgrsðaFnigerKKögnabbnSmosvaEdI Ca rbsmasincðHkúRtÚmankMtsutðPaBRKb;
RKan;Tb;TI nigPaBtantgGtbrmaeKkamsitNðPaB nigsðaFeFkarGtbrma . kú
krNðNHPaBtantgminRtÚel sðPaBtantgGnBaðt)anrbsvteFatenaeT .

24>3 RbdabbBaðel ,ð
masincðHkúRtÚetbðakRbdabektRmUedaysvyRbvtp nUfamBI cU eTAKúmasincðHkú,rkSa
el ,ð nigfamBI beBaþrbsvakM mankarERbRbU \t Qb,QreTahCakúkrNman
karpasþþI kxNðNrkðday .

24>4 RbdabbBaðeBI manGasnið
edm,ecosvageKahfákekteLgedayel ,ðhyskMnt; bþ kxNðNinRbRkteþSgeTotkú
eBI dðNrkarmasincðHkúRtÚbðaknURbdabkatpác;I hñcU én eRbg\nt³edaysvyRbvtp
nigRbdabbBaðBRKamanGasniðyEdI bBaðedayed . enAeBI RbdabbBaðBRKaman
Gasniðagel RtÚ)anbBað [eFvskmpaBsBaðbBaðBRKamanGasnið RtÚeteFvskmpaB
elgEdr .

24>5 RbdabkarBars BaFel Is
masInigeRKQgnabbnSmsvaEdI Gacrgs BaF el IsRtUetbBaknURbdabkarBar
s BaFel Isedm, bnjs BaF .

24>6 RbBnsRttemil nigRbBnsRttemil sBa
masInRtUetbBaknURbBnsRttemil ca)acedm, Rttemil I kxP dNrkar nigBaknU
RbBnsRttemil sBa)acedm, karBarkarxcmasIn nigeRKQgnabbnSmsvakjeBI dNrk
kar .

maRta 25 ³Tbh]sRbRkMAsI mgeTot nigeRKQgnabbnSmsva
Tbh]sRbRkMAsI mgeTot nigeRKQgnabbnSmsva RtUerdcpl it sagsg;
nigdNrkarsbtammaRta 21 22 nig23xagel I .

2> pÚTikRtÚEtman smtPaB GacbgÚTikeday svrtPaB nigKaneRkaHfákehlyGac
 RkBRKgbriMaNTkbgÉcj EdI)aneRkagrbSeragcRk nigRtÚmanI MgFarasaRsp
 26>6 karbgárkarxtBeragmasbGKÁsnl nigmeFúa)aydeTeTotrcnasmkS EdI Tak;TgeTA
 nigmeFúa)ayviskmpSINgsvil énarGKÁsnl dtCaeragmasbGKÁsnl pÚsMabeFkarCYs
 Cú nigmeFúa)aybeNpáHGasnSmbkargarsINg; RtÚetmanI M nigstabbnkEdI)an
 eRkagTikehlyminRtÚrgnÚkarxtedayrGil pÚtdl nigTikCMneLy .

maRta 27 ³ karbgárkarxtBeragcRkvarGKÁsnl

27>1 karbgárkarxtGagskTiknigdenACMij GagskTik

1>cbBaHGagskTikminRtÚbeNpá [man karRCabTikEdI maneRkaHfákdI dCMij kar
 RCabTikminRbRktkúdl nigkarrGil pÚtdkúTikMnEgenahET .

2>RtÚmanvFankarNRtmRtÚ RbsnebmankarI icI gdI RTBüsm,tpldCapHsMbg nig
 GKarenAtMnxagel énGagskTikEdI bNpáI mkBkareLgkMkTik bgadaykMnhkkr
 denGagskTik .

27>2 karbgárkarxttMneRkamTMb; nigtmRckecj

1>karxtbNpáI mkBkarbgÚTkecj BITMbeAtMnxagerkam kúI kxTikCMnminRtÚ
 ekhel sBkarxtkúkrNEdI kpmBenahET .

2>RtÚmanvFankarNRtmRtÚ RbsnebgacekltmankarxtxatdI mnSS bRTBüsm,tþ
 nigbHal dI brisAnCMij nigGpSg²eTotenAtMnxagerkam EdI bNpáI mkBkar
 bgÚTkecj BITMb; .

3>RtÚmanvFankarNRtmRtÚ RbsnebkarpasbþkMkKs;TikdþabrHsEnAtMnxag
 eRkaménRckbeBa⁹TikedaysarkarbgÚTik ecj BeragcRkvarGKÁsnGacbNpáI [
 mankarxtxatdI tMnxagerkam .

maRta 28 ³ TbhGRdÚ ic nighSenraT½

28>1 karbgárkarxtTbhGRdÚ ic

1>RtÚkarBarmin [mankMnateQGENjt kMcsMamGENjt bKkckkrhdcú eTAKú
 Tbh GRdÚ icbNpáI [xtTbhGRdÚ icelLy

2>RtÚkarBarmin [manrj VedI GacbNpáI [xtTbhGRdÚ icelLy

3>RtÚkarBarmin [mansMnrRbehagEdI GaceFúGayxtdI ;TbhGRdÚ icelLy .

- 28>2 brkəS MəbkatpəcbnənnUcrnTkcU
 TbhGRdU ic bpuTkcCaekal karNRtUbbaknu meFua)ayEdI GackatpəcbnənnUcrnp
 TkcEdI cU eTAKgTbh .
- 28>3 kM abemkanicnTbhGRdU icnighSenraT½
 1> TbhGRdU icRtUetFneTAngSəaFTkcGtorma kğkrNEdI bnkRtU)ankatpəc;
 2> TbhGRdU ic nighSenraT½RtUetFneTAng el ,(hGtormakğkrNbnkRtU)ankatpəc;
 3> ehSenraT½RtUetFneTAngkM abGkkBakemkanicEdI bNpI mkBcrnpq
- 28>4 PaBrigmaMI ngkMəAenTbhGRdU icnighSenraT½
 TbhGRdU icnighSenraT½ RtUetFneTAngkMəA EdI begteLgedayTbhGRdU ic
 nighSenraT½kğeBI dMNIkarFmpta .
- 28>5 RbdabkarBarS Məb;TbhGRdU icnighSenraT½
 TbhGRdU ic nighSenraT½RtUbbaknuRbdabpəcəhSenraT½əcj BəsKkKİsnI nigbBaAb;
 Tbh GRdU icedaySəyRbvtkğkrNkltmanPaBminRbRktI EdI bNpI eGaymankar
 xbtFM nigbeFM manbBaəFfFdI karpApğGKİsnI .

EpikTI 4

I k&NITAcBAlmeFua)ay

pl itkmpSgeTot

maRta 29 ³ famBI kekiteLgvij ehSenraT½I ½ nigvarGKIsnFintt
 CaTtAmeFua)aypl itkmpfamBI kekiteLgvij Edl rihman pl itkmpdayBnMBHGaTitü eday
 famBI xül ; edayCvmas; be dayCv] simeFua)aypl itkmpnehSenra:T½I ½ nigmeFua)ay
 pl itkmpvarGKIsnFinttpgk¾ RtÜeKarBtamsjdabecReTsenHedr . binpdayI k&NID
 xhenmaRtaEdl EcgküsjdabecReTsenH GacB)akGnvtpl meFua)aypl itGKIsnRbePTTajenH
 edaysarl kN³Bessrbsva nigb^α edaykal ³eTs³NamYeBI enaHl k&NIDajenH Gac
 RtÜ)anGneRkARbsinebmankaresisBmasmeFua)ayedaymanmU ehtRtmRtÜ.

maRta 30 ³ meFua)aypl itkmGKIsnedayTikbthsik nigmeFua)aypl itkmp
 GKIsnhayEkiGr

sjdabecReTsenHkRtÜmanvisal PaBGnvtpl cBAlmeFua)aypl itkmpajenHedr . edayxm
 sarsjdabecReTs bcd,nininTanmanRKbRKansMabmeFua)aypl itTajenH xmsarbEnH
 rbs, sjdabecReTssMabmeFua)aypl itkmpajenHingRtÜerdobM nigRbkas [eRbR)asenAeBI
 mantRmUkarcaM; .

Epk TI 5

I kxN tTArhcM BaHmeFua) aybBañ nig Eckcay GKIsnl

maRta 31 ³ I kN³énExScM g

- 1> ExScM gémeFua) aybBañ nig Eckcay GKIsnl KwÚCaExSkab ExSersambExSrsat .
minGnBañt [(RbR) asExSrsatsMabExSbNþj tgsüjTabelLy .
- 2> ExSkab nigExSersamRtÚmansmtPaBGsLlg; RKbRkanEdl smRsbtamI kxNñ
tgsüj(RbR)as; .

maRta 32 ³ karTbsátkareLgel begÁl GKIsnl

edlm, bgáreKkaHfák, cM BaHCnTB BakBñsñbegÁl RTEXS bNþj GKIsnl RtÚGnvtþFankarN_
dt;xagerkam ³

- 1> minRtÚtemþCeNþel ahHenbegÁl TRmenAKM Bs;TabCag 1>8 EmRt BdeLy
- 2> RtÚdaksBaðRþjRbyKædm, I [CnTBdñþl eKkaHfák; Pab;tambegÁl TRmñmY²
- 3> cM BaHExSbNþj tgsüjxsRtÚtemþr)atþsm RsbenARKbeCþbegÁl TRmedm, I
karBarCn TBmin [eLgeTael begÁl TRm)an . bñþjkrNEdl begÁl TRmman
TtalyRtenAkEngEdl CnTB(B)akngcU eTACit)andþCaenAel PM bñþanrbg
bþBañEdl mankþssmI phñþþbegÁl TRmeBl enaHgacmin)ac;temþr)atþkarBar
enaCþbegÁl)an .

maRt 33 ³ emKINswtPaBrbsExSrsat nig ExSdlénExSbNþj Gakas

cM BaHkM atþT;TMaj énExScM g nigExSdlMabExSbNþj Gakas el KEI gEtExSkabecj
emKINswtPaBminRtÚTabCag 2>5 eT.

maRta 34 ³ kareRbR)asExSbNþj GKIsnl bExS bNþj KmnaKmnEk,rKä nigrñKä

34>1 ExSbNþj tgsüjxs; ExSbNþj tgsüjmFüm nigExSbNþj tgsüjTab kareRb
R)asExSbNþj GKIsnEk,rKä nigrñKäRtÚGnvtþamvFdt;xagerkam³

- 1> enAeBl Edl ExSbNþj tgsüjxs; nigExSbNþj tgsüjmFümRtÚtemþgenAel begÁl
TRmCamYKæBl enaHExSbNþj tgsüj mFümRtÚtemþgenAerkamExSbNþj tgsüj
xs; nigenAel ledRteþSgBKä .

2> enAeBI EdI ExSbNþj tgsügmFüm nigExSbNþj tgsügTab RtÚtemþgenAel I begÁI TRmCamYKæeBI enaHExSbNþj tgsügTab RtÚtemþgenAerKamExSbNþj tgsügmFüm nigenAel édRteþSgBKä .

3> minRtÚtemþExSbNþj tgsügTabNamly enAel begÁI TRmEtmYCamYExSbNþj tgsügxseLy .

34>2 ExSbNþj GKÁsnI nigExSbNþj KmnaKmn_

karRbExSbNþj GKÁsnhigExSbNþj KmnaKmn_ Ek,rKänigrhKäRtÚGnurtþtamvFdt;xag erKam . kjkrNExSbNþj KmnaKmn_CasrésExSgTic ehlydakcU CamYExS bNþj GKÁsnI bExSdlvFkagerKamenHmin)acGnurtþLy ³

1> enAeBI ExSbNþj tgsügmFüm b tgsüg Tab nigExSbNþj KmnaKmnRtÚtemþ enAel begÁI TRmCamYKæeBI enaHExSbNþj tgsügmFüm bExSbNþj tgsüg TabRtÚtemþgenAel ExSbNþj KmnaKmn_ nigRtÚtemþgel édRteþSgBKä .

2> minRtÚtemþExSbNþj KmnaKmn_ enAel begÁI TRmCamYnigExSbNþj tgsügxse; eLy .

maRta 35 ³ ExSbNþj erKamdI

35>1 minGnBaðt [erbExSGKÁsnþpSgeRkABExSkab sMabExSbNþj GKÁsnErKamdleLy .

35>2 kjkrNEdI ExSbNþj erKamdRtÚtemþkjgþg; bþg;TbsMabdakExSkabRtÚteþFn; nigSðafkinBel þnyanCMH nigvtþ²déTeTot .

35>3 kjkrNEdI ExSbNþj erKamdRtÚtemþedaykþkjgþal ; eBI enaHExSbNþj TabþenaH RtÚtemþtamvFdt;xagerKam ³

1> RtÚdakþnþkarBarSmRsbBel ExSbNþj erKamdI bþnurtþFankarN_smrSbdéT eTotedm, karBarExSbNþj erKamdI ; nigkarbHTgáemkancTabLay .

2> enAkEngEdI GacmanerKahfäkdI ExSkab edaysðafkinBel þnyanCMH nigvtþ²déTeTot ExSbNþj erKamdRtÚtemþgenACMAMyEdI minrakCag 1>2EmRt edayELk enAkEngdéTeTotExSbNþj erKamdRtÚtemþgenACMAMyEdI minrakCag 0>6EmRt .

maRta 36 ³ karkarBarTI nigcrnþI s

edh, karBarþrkerGKÁsnkMleLgkMAHsedaycrnþI sxaþ nigedh, karBarþkMektmanGKÁPy RtÚtemþ] bkrN_karBarcrnþI senAkEngsmRsbéneskGKÁsnI .

maRta 37 ³ karkarBarTI ngkarqgbHdl
 edm,fb,sátkarxtdbrkeGKÁsnkarqkGKÁsnl níGKÁPyRtÚtemb] bkrN_karBarTI ngkarqg
 bHdl bmanvFankarN_smrSbdéTeTot .

maRta 38 ³ RbBWS SCADA sMbmCÁmN# EbgEckGKÁsnl

1> RTU énRbBWS SCADA RtÚtembenAkjmeFúa)ayGKÁsnlyagNaedm,GacRtÚBnitü
 emll sPaBénRbBWS Npj Cati níGacBaaemeFúa)ayGKÁsnlFajLay BmCÁmN#
 EbgEckGKÁsnl .

2> RtÚtembRbBWSUKmnaKmncaMccenAmCÁmN# EbgEcknigmeFúa)ayGKÁsnl . Cakar
 calacyagehacNasRtÚmanRbBWSUKmnaKmnBrepSgKásMabRbBWS Npj Cati .

maRta 39 ³ cMnat,fákkarPabExSdlsMabExS bNpj GKÁsnl

RbePTEExSdlkEngEdl RtÚGnvtpl kxTNnkartembj témerslsPabeTAdlsMabExSbNpj Eck
 cayRtÚGnvtpl taragxagerkam ³

RbePTEExSdl

RbePTEExSdl	kEngGnvtpl	l kxTNnkartembj	erslsPabeTAdl (?)
ExSdPab; RbBWS	RtgsMhTtgsügmFümTab	sMabExSNW tgsügmTabén RbePTEExSdl TN níg TT	témerslsPabeTAdl kargarPabExSdlfák; B
ExSdlsutPaB	EpikGacqgrnplak; enAKNpl val -*1	sMab;tgsügxS; -*2	témerslsPabeTAdl kargarPabExSdlfák; A
		sMab;tg; sügmFüm	
		sMab;tgsügmTab el lSBl 300vl	témerslsPabeTAdl kargarPabExSdlfák; c

		S _{tab} ; t _g ; s _{üg} ; Tab minel I SBI 300vnl	témers I s _g ; Rt ÚK _{IN} t; tam kargar Páb; Ex Sdl fäk; D
Ex Sdl Rcal crnp] bkr N _R cal crnp	S _{tab} ; t _g ; s _{üg} mFüm	témers I s _g ; Rt ÚK _{IN} t; tam kargar Páb; Ex Sdl fäk; A

S_{Mal};

(*1) } Epk Gacq crnp laken Ak N_p l val } s_{tab} A Epk Tab Lay dlt Cae Cg TR mEdk Rb Gb;
el ah³ b_{Rb} Gbel ah³ & sab] bkr N_E dl ek tem_{gen} Ak_{ges} d_K K_{Is} n_l .

(*2) } kar Páb; Ex Sdl S_{tab} G_{ns} b_{ny} t_g; s_{üg}; x_s; n_{gs} b_{ny} Ebg Eck G_K Is n_{Rt} Uer dcb_{lay}
EL ker g_x d_{Ga} R_s k_y tam T_h h_{crnp} h_l .

témers I s_g; Páb; eT Adl fäk; A dl fäk; D Rt Úes_{mg} b_{tt} Cagtém_K IN t_k g_{tarag} xage_{ll} kam³

c _{IN} Nat; fäk; kargar Páb; Ex Sdl	témers I s _g ; Páb; eT Adl	I k _g ; N _R S _{tab} s _{IN} témers I s _g ;
fäk; A	100 b _{tt} Cag	
fäk; B	100 b _{tt} Cag en AeBI Edl $\frac{230}{I^{*1}}$ t _{tt} Cag 10, ers I s _g ; Páb; eT Adl Rt Ú mantém _s mg $\frac{230}{I^{*1}}$ b _{tt} CagenH	k _g k _R N _E dl t _g ; s _{üg} ; Páb; eT A dl nes d _K K _{Is} n _l t _g ; s _{üg} ; Tab mantémel I SBI 230vnl edaymk Bkar bHrvages d _{KV} t _g ; s _{üg} ; mFüm n _{ges} d _K t _g ; s _{üg} ; Tabén Rt _g ; s _{üg} ; h _a T _h / ehlyeb mantém _g D _l s _g ; T _h / Rcal crn _l tam Ex Sdl Edl kat p _{ces} d _K K _{Is} n _k g _{ry} ³ eBI minel I SBI 1vnaTl eBI ena _h ers I s _g ; Rt Úes _{mg} $\frac{600}{I^{*1}}$ Ω b _{tt} Cag . en AeBI Edl $\frac{230}{I^{*1}}$ man tém _{tt} Cag 50 eBI ena _h

		<p>er s is g Ex Sol hinc a) Ac man tém d t Cag 50 e Ly .</p>
fāk; c	100 b t t Cag	<p>kū kr N R t Ū e r d b c k S d k g e s k K K A s n l t g s ū g T a b / e h l y k ū e s k K h a H m a n t e m b j D l s g T r c a l c r n p T A d E d I G a c k a t p a c e s d K K K s n k ū r y ³ e B l 0.5 v h a T l e B l e n a H t é m e r s i s g R t Ū e s p n g 5000 b ^α t t C a g .</p>
fāk; D	1000 b t t Cag	<p>kū kr N R t Ū e r d b c k S d k g e s k K K A s n l t g s ū g T a b / e h l y k ū e s k K h a H m a n t e m b j D l s g T r c a l c r n p T A d E d I G a c k a t p a c e s d K K K s n k ū r y ³ e B l 0.5 v h a T l e B l e n a H t é m e r s i s g R t Ū e s p n g 5000 b ^α t t C a g .</p>

*1 I - K W a c r n p n k a r q g E x S m Y b H e T A d l

EpkTI 7

I kxNtTAcN BahmeFüa)ayEckcay tgsügmFüm nigTab

maRta 49³ begÁI TRm

49>1emKINsvtPaBénRKhrbsbegÁI TRm

1> emKINsvtPaBénRKhrbsbegÁI RTEXS bNþj tgsügmFüm manténasþing 2 b^α FMagbnkxül bk; .

2> emKINsvtPaBénRKhrbsbegÁI RTEXS bNþj tgsügmFüm manténasþing 2 b^α FMag cBahlbnkEdl)anerdrabkúmarTa 40 .

3> taragxagerKamenHsþabGnvtþaBalkartemþ begÁI eQI begÁI Edk nigbegÁI ebtgenAel dlTnFmþta . kartemþgenAKEngepSgBénH nigkartemþbegÁI RbePTepSg BénéHminGnvtþamtaragenHeLly .

RbePT begÁI	bnk kINtén begÁI	RbEvg begÁI	CARtÚdalM	cenáHBbegÁI mYeTA begÁI mYeTot
begÁI eQI		15EmRt b ^α ticCag	yagtic 1% énRbEvgsrþ	ExSbNþj tgsügmFüm kúgtlþn;TRKú ³ cenáHBbegÁI mYeTA begÁI mYeTotminRtÚ el lSBl 75m eLly.
		el lSBl 15EmRt dl; 16EmRt	yagtic 2>5EmRt	
begÁI Edk		15EmRt b ^α ticCag	yagtic 1% énRbEvgsrþ	ExSbNþj tgsügmFüm kúgtlþn;TRKú ³ minRtÚel lSBl 40m eLly.
		el lSBl 15EmRt dl; 16EmRt	yagtic 2>5EmRt	
begÁI ebtg	6>5 KLlj tþm	15EmRt b ^α ticCag	yagtic 1% énRbEvgsrþ	ExSbNþj epSg

ebtg mansr ésEdk	b#t CagenH	el lSBl 15EmRt dI ; 16EmRt el lSBl 16EmRt dI ; 20EmRt	2>5EmRt yagticb#t 2>8EmRt yagticb#t	eTot ³ minRtÚel lSBl 150m eLy .
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49>2 kM abTbénbegÁI ebtgmansrésEdk

- 1> begÁI ebtgmansrésEdksMabExSbN#j tgsügTab
RtÚEtbankM abGacTbn#bnk xül bk; .
- 2> begÁI ebtgmansrésEdksMabExSbN#j tgsügmFüm
RtÚmankM abGacTbn#bnk EdI)anerdbrabk#marTa 40 .
- 3> begÁI ebtgmansrésEdkRtÚmankM abGacTbn#bnk2dgénkM abbnkEdI)an
skSaeXlj .

marTa 50³ ExSbN#j Gakas

50>1 ExSkabsMabExSbN#j Gakas

- 1> enAeBl ExSkab RtÚ)aneRbR)assMabExS bN#j GakasExSkabRtÚtem#yag
NakM bhBaI dI kM abT#Maj rbsExSedayeRbR)asExSeyag b#FankarN#sm
RsbdeTeTot . ExSeyagRtÚEttem#RsbtamkarkM#tenmarTa 41 .
- 2> enAeBl ExSkabRtÚ)antem#tamben#pyGkar b#t#TeTotExSkabRtÚEt)anRTyag
NakM#mankarx#xatedaysarkarbHeTAngGkar b#t#ab#enah .

50>2 vFitP#bExScM#gGakas

kM abT#Maj énExScM#gminRtÚfyctH 20° beI lSBenHeTenAeBl mankartP#bExScM#g.
RbshebK#abTaj EdI eFikarenAel ExScM#g mantém#tCagyagercheF#betAngk#abT
T#Maj énExScM#gI k#N#Hmin)acGnut#pLy .

50>2 kartb~~bb~~kecj BExSbN~~h~~j Gakas
kartb~~bb~~kecj BExSbN~~h~~j GakasRt~~U~~eF~~L~~genA Rtgc~~M~~N~~c~~Rt~~E~~nExSbN~~h~~j enah .
Rbsnebkartb~~bb~~keF~~L~~gedayminbeg~~h~~k~~M~~ ab~~T~~Jaj d~~I~~ ExS c~~M~~ genAc~~M~~N~~c~~b~~bb~~keTenah
I k~~h~~~~T~~~~N~~~~H~~Gacm~~n~~)acGn~~u~~t~~p~~an .

maRta 51 ³ k~~M~~ ab~~T~~Jemkanic~~n~~enG~~S~~L~~L~~aT~~h~~
G~~S~~L~~L~~aT~~h~~R~~T~~ExSbN~~h~~j tgs~~ü~~gmF~~ü~~mRt~~Ü~~Ettem~~h~~ tamrebb~~y~~agNa [G~~S~~L~~L~~aT~~h~~enahmank~~M~~ ab~~T~~RKb;
RKaned~~m~~,IT~~V~~)anenK~~I~~N~~s~~vt~~P~~aBes~~h~~ng 2>5 b~~F~~UagedayEp~~k~~el karsn~~t~~f~~a~~bn~~k~~dd~~x~~ag
e~~R~~kamen~~H~~Rt~~Ü~~anp~~k~~eT~~A~~el G~~S~~L~~L~~aT~~h~~enah .

- 1> s~~M~~abG~~S~~L~~L~~aT~~h~~k~~E~~XS bn~~k~~Rt~~Ü~~Cak~~M~~ ab~~T~~Jaj G~~t~~ormaEd~~I~~)ansn~~t~~y~~k~~enExS .
- 2> s~~M~~abG~~S~~L~~L~~aT~~h~~R~~T~~ExSbn~~k~~Rt~~Ü~~Cabn~~k~~ep~~k~~c~~M~~ngbn~~k~~b~~A~~Ä~~E~~d~~I~~ Taj Ekgn~~g~~G~~K~~S
enG~~S~~L~~L~~aT~~h~~ .

maRta 52 ³ Rtgs~~V~~naT~~h~~tgs~~ü~~gmF~~ü~~m~~1~~/~~4~~Tab
Rtgs~~V~~naT~~h~~tgs~~ü~~gmF~~ü~~m~~1~~/~~4~~abr~~n~~Tab~~L~~ExSc~~M~~ gtgs~~ü~~gmF~~ü~~m e~~R~~kABExSkab Rt~~Ü~~Ettem~~h~~yagNa
min [mane~~R~~Kah~~F~~ak~~q~~k~~G~~K~~S~~sn~~t~~amrebb~~N~~am~~Y~~en~~V~~Ed~~x~~age~~R~~kam³

- 1> Rtgs~~V~~naT~~h~~tgs~~ü~~gmF~~ü~~m Tab Rt~~Ü~~tem~~h~~g~~ü~~bn~~b~~dacedayELkm~~Y~~Ed~~I~~ Rt~~Ü~~)ancak;
esar
- 2> Rtgs~~V~~naT~~h~~tgs~~ü~~gmF~~ü~~m~~1~~/~~4~~abRt~~Ü~~tem~~h~~genAk~~S~~; 5>0EmRt yag~~t~~c~~B~~ep~~h~~ed~~m~~,k~~M~~
mn~~S~~S Gacbh~~va~~)anedaygayRs~~Ü~~ .
- 3> Rt~~Ü~~B~~T~~~~f~~bg [)ansmRs~~b~~C~~M~~ij Rtgs~~V~~naT~~h~~ tgs~~ü~~gmF~~ü~~m~~1~~/~~4~~ab ed~~m~~,k~~M~~ mn~~S~~SGac
bh~~va~~)anedaygayRs~~Ü~~ nigRt~~Ü~~dakp~~k~~sBa~~R~~BmanG~~B~~ERKah~~F~~ak; . müage~~T~~otEp~~k~~
mancr~~n~~pnRtgs~~V~~naT~~h~~tgs~~ü~~gmF~~ü~~m Tab Ed~~I~~ Rt~~Ü~~zitenAc~~h~~r Rt~~Ü~~Ettem~~h~~yayag
Nak~~M~~ mn~~S~~SGacbh~~va~~)anedaygayRs~~Ü~~ .

maRta 53 ³]bkrN_{karBar}

53>1 kartem_gD_lS_gT_{karBar}crn_{pl} l_{stg}s_{üg}m_{Füm}

1> enAel ExSbN_{aj} t_gs_{üg}m_{Füm}lyRt_ÜmanD_lS_gT_{karBar}crn_{pl} l_{sm}ly

Edl Rt_Ütem_g enAc_lN_{cc}rn_{pcj} énG_ns_öny b_{én}T_lat_gR_{sedog}K_ä nigenAxag
Ep_{kt}t_gs_{üg} m_{Füm}énRt_gs_Üna:1/2 .

2> D_lS_gT_{karBar}crn_{pl} l_{ss}lab_{karBar}crn_{pg}bH Rt_Ümanl T_{Pa}B_{Gackat}p_{acc}rn_{pg}
bHedl q_gkat;amD_lS_gT_{kar}enH .

53>2 kartem_gD_lS_gT_{karBar}karq_gbHdlt_gs_{üg}m_{Füm}

D_lS_gT_{karBar}karq_gbHdl Edl Rt_Ükatp_{pc}; esd_{kl}days_{ly}R_{bv}tp_nAeBl mankarq_g
bHd_{kl}itel_genAel bN_{aj} Rt_Ütem_genAc_lN_{cc}rn_{pcj} énG_ns_öny b_{én}T_lat_gR_{sedog}K_ä.

53>3 kartem_g]bkrN_{cab}crn_{pa}l

edm, karBarbrkaG_Kl_{sn}Bkarx_{tedays}sarrn_RT_Ü tem_g]bkrN_{cab}crn_{pa}l enAtam
kEng_{én}bN_{aj} d_{lt}bBa_äxageR_{kam} benAt_ln_CM_{ij} va . R_{bs}neb_{me}F_{ia})ayG_Kl_{sn}h_n
Gacmankarx_{tedays}sarrn_{He}T_{ena}H l_kl_{sn}h_n)ac_Gn_{ut}p_T,ly .

1> T_lcrn_{pcj} énExSbN_{aj} Gakasec_j BeragcR_kG_Kl_{sn}l b_{ne}P_{ly} nigkEng_{dl}K_ä .

2> c_lN_{cc}t_{Pa}b_{én}ExSbN_{aj} Gakast_gs_{üg} m_{Füm}Cam_{ly}Rt_gs_Üna:1/2 .

maRta 54 ³ k_BsExSbN_{aj} Gakas

k_BsExSbN_{aj} GakasminRt_Üt_lCagt_{én}Edl k_lN_{ten}Ak_gtaragxageR_{kame}T_{ly}³

-xät³ EmRt!

	t _g s _{üg} Tab	t _g s _{üg} m _{Füm}		
		t _l n;TRk _g		t _l n _{de} TeTot
		ExSkab	ExSepSg ² eTot	
kat;TT _g fil ;	6>5	8>0	8>0	6>5
epSg ² eTot	5>5	5>5	6>5	5>5

maRta 55 ³ KmætrvagExSbNþj Gakas nig vtóléTeTot
 KmætGb,brmarvagExSbNþj mlyCamlyvtópsgeTotRtúmantémólkarkMntkútaragxagerkam³

-xát³ EmRt!

			tgSúg Tab	tgSúg mFüm	
Camly GKar	ExSbNþj Gakas enAxagel I	Edl mnisS manl TþaB elþjan	ExSRsat	-	3>0
			ExSRsam	2>0	2>5
			ExSkab	1>0	1>2
		epSgeTot	ExSRsat	-	3>0
			ExSRsam	1>2	1>5
			ExSkab	0>4	0>5
	ExSbNþj Gakas enAcbhng nig enABBRkam	ExSRsat	-	3>0	
		ExSRsam	1>2	1>5	
		ExSkab	0>4	0>5	
CamlyedheQl			ExSRsat	-	2>0
			ExSRsam	minRtú [mankar bhþal eT	
			ExSkab	minRtú [mankar bhþal eT	

ExSRsamRbePT ABC (Aerial Bundle Conductor) tgSúgTab Gactemþþal CabngCBaalyGKar
)anedayerBkrcab; nigvFcabPabBessrbsExSRsamRbePTenH bEnþItalyCBaalyEdl Gaccab;
 Pab)an KwTÚCaTItabmlyEdl mnisSB)akelgdI ; .

maRta 56 ³ | kænAnACitKänigkatExvKæn ExSbNþj Gakas

56>1 ExSbNþj tgSúgmFümeRch

enAeBl ExSbNþj tgSúgmFümmly Rtú)antemþ CitKä bExvKäCamlyExSbNþj
 tgSúgmFümmlyepSgeTot KmætrvagExSbNþj tgSúgmFümTabBrenah RtúmanRbEvg
 yagticbþlt 2>0EmRt. RbsinebExSmly CaExSkabehlyExSmlyeTotkða ExSkabEdr
 bæaExSRsam eBl enaHKmætrRtúmanRbEvgyagtic 0>5EmRt .

- 56>2 ExSbNþj tgsügmFüm nigExSbNþj tgsüüTab
 enAeBl ExSbNþj tgsügmFüm nigExSbNþj tgsüüTabRtÚdak;temþCitKä bExþKä
 eBl enaH ExSbNþj TabenaH RtÚEtemþtamrebbddcxagerKam ³
 1> ExSbNþj tgsügmFüm minRtÚtemþenaA erkamExSbNþj tgsüüTabeT,ly .
 Rbsnebl ExSbNþj tgsügmFümGacrKsArbEvgKmæt tamExSedkminTicCag
 3>0EmRt CamlyExSbNþj tgsüüTab ehlyExSbNþj tgsüüTabminGacgak
 eTABH nigExSbNþj tgsügmFüm enAeBl EdI begÁI ExSbNþj tgsüüTabrI M
 eBl enaHI kxþNðagel min)acGnurtþLy .
 2> KmætrvagExSbNþj tgsügmFüm nigExSbNþj tgsüüTabminRtÚticCag 0>5EmRt
 eLlyenaEBl EdI ExSbNþj tgsügmFümCaExSkabminRtÚticCag 1>0EmRt eLlyena
 eBl vaCaExSmanerSam nigminRtÚticCag 2>0EmRt eLlyenaEBl vaCaExSRsat .
 3> ExSbNþj tgsügmFümminRtÚkatExþBerkamExSbNþj tgsüüTabeLly . Rbsnebl
 ExSbNþj tgsügmFümCaExSkab ehlyKmætrvagExSbNþj tgsügmFüm nigExS
 bNþj tgsüüTabmanRbEvgminticCag 0>5EmRt enaHI kxþNðagel enHmin)ac;
 GnurtþT,ly .

- 56>3 ExSbNþj tgsüüTabeRch
 enAeBl EdI ExSbNþj tgsüüTabRtÚtemþCitKä bExþKäeTAngþNþj ExStgsüüTab
 epSgeTot eBl enaHKmætrvagExSbNþj tgsüüTabTabþRtÚmanRbEvgyagticbþtt
 0>6EmRt . enAeBl ExSmlyCaExSkab nigExSmlyeTotCaExSkabEdr beaExSerSam
 eBl enaHKmætrRtÚmanRbEvgyagticbþtt 0>3EmRt .

- 56>4 ExSbNþj tgsügmFüm nignExSbNþj KmnaKmn_
 enAeBl EdI ExSbNþj tgsügmFümRtÚtemþCitKä bExþKäCamlyExSbNþj KmnaKmnEBl
 enaHExSbNþj tgsügmFümRtÚtemþtamvFddcxagerKam ³
 ExSbNþj tgsügmFümminRtÚtemþerkamExSbNþj KmnaKmnEly . RbsneblExS
 bNþj tgsügmFümrkSaKmættamExSedkminTabCag 0>3EmRt CamlyExSbNþj
 KmnaKmn_ ehlyExSbNþj KmnaKmn_{3/4} minGacbeTAngExSbNþj tgsügmFümena
 eBl begÁI énExSbNþj rI MeBl enaHI kxþNðagel GacminGnurtþan .

1> $Km_{tr}v_{ag}ExSbN_{\beta j} tgs_{\ddot{u}g}m_{\ddot{u}m} n_{ig}ExSbN_{\beta j} KmnaKm_{n}Rt_{\ddot{u}}yagticb_{\ddot{u}t} 0>5EmRt$
 $enAeBI EdI ExSbN_{\beta j} tgs_{\ddot{u}g}m_{\ddot{u}m}CaExSkabRt_{\ddot{u}}yagticb_{\ddot{u}t} 1>0EmRt enAeBI$
 $EdI ExSCaExSRsam n_{ig}Rt_{\ddot{u}}yagticb_{\ddot{u}t} 2>0EmRt enAeBI EdI ExSCaExSRsat .$

2> $ExSbN_{\beta j} tgs_{\ddot{u}g}m_{\ddot{u}m}n_{Rt_{\ddot{u}}k}atEx_{\beta}k_{am}ExSbN_{\beta j} KmnaKm_{ne}L_{y} . RbsinebExS$
 $bN_{\beta j} tgs_{\ddot{u}g}m_{\ddot{u}m}CaExSkabeh_{y}Km_{tr}v_{ag}ExSbN_{\beta j} tgs_{\ddot{u}g}m_{\ddot{u}m} n_{ig}ExSbN_{\beta j}$
 $KmnaKm_{ny}yagticb_{\ddot{u}t} 0>5EmRt eBI enaH I K_{\beta}N_{\beta}k_{agel}GacminGnvt_{\beta}an .$

56>5 $ExSbN_{\beta j} tgs_{\ddot{u}g}Tabn_{ig}ExSbN_{\beta j} KmnaKm_{n}$

$enAeBI ExSbN_{\beta j} tgs_{\ddot{u}g}TabRt_{\ddot{u}}tem_{\beta}CitK_{\beta} b_{k}atEx_{\beta}K_{\beta}Cam_{y}ExSbN_{\beta j} KmnaKm_{nen}aH$
 $ExSbN_{\beta j} tgs_{\ddot{u}g}TabRt_{\ddot{u}}tem_{\beta}tamv_{\beta}l_{\beta}xagerkam ^3$

1> $ExSbN_{\beta j} tgs_{\ddot{u}g}Tabn_{Rt_{\ddot{u}}k}atEx_{\beta}k_{am}ExSbN_{\beta j} KmnaKm_{ne}T_{y} . RbsinebI$
 $v_{\beta}l_{\beta}eTeTot minmanI k_{\beta}N^3bec_{\beta}eTsCak; Es_{\beta}pedm,Gnvt_{\beta}anenah I K_{\beta}N_{\beta}k_{agel}Gac$
 $minGnvt_{\beta}an .$

2> $Km_{tr}v_{ag}ExSbN_{\beta j} tgs_{\ddot{u}g}Tab n_{ig}ExSbN_{\beta j} KmnaKm_{n}n_{Rt_{\ddot{u}}t}icCag 0>3EmRtenA$
 $eBI EdI ExSbN_{\beta j} tgs_{\ddot{u}g}TabCaExSkab n_{ig}m_{int}icCag 0>6EmRt enAeBI EdI ExS$
 $CaExSRsam .$

EpikTI 8

I kxNITAcNBalkartembExSGKÁsnkúgekhsón

maRta 57 ³ kMtGlsLLg;

erslsjGlsLLgrvagExScmgTgsüüTab nigrvagesdKÁÁsnl nigditamEdnkMNt;TgsüüNhl
 NaI énesdKl EdI EckdacBKäedayRbdabpác; bðlsjTkarBarcrnpl IsminRtÚtðCagténa
 kMNtkútaragxagerkamelLy .

RbsnebrkarvaserslsjGlsLLgmankarI Mak crnðCabeTAdGacrKsa [enARTm 1ml GaBr
 bðtðCagk)an .

tgsüüNhl NaI énesdKl [vl]	tgsüüsak I ,g d.c [vl]	erslsj; GlsLLg; [MO]
500vl bðtðCag	500	FMag 0>5
el IsBl 500vl	1000	FMag 1>0

maRta 58 ³ karPabExSdl

karPabExSdRtÚGnvtð [RsbtamkarkMNtkúmaRta39 .

maRta 59 ³ karkarBarTI nigcrnpl Is

RtÚtemgRbdabSðakkarBarcrnpl Is [RsbtammaRta 36 .

maRta 60 ³ karkarBarTI nigkarqgbHdl

enAel esdKÁÁsnl sðopá páGÁÁsnlI brkæ nigekKgRbdab;TgsüüTabEdI RKbedayRbGb;

el ah³ nigEdI temgenAKEnggaybHBal ; EdI GacmanerKahfakdl mnss RtÚtemgRbdab;

karBarmly edln,katpácesdKádaySyRbvtpAeBl mankarqgbHdl ekteLgkúesdKÁÁsnl .

eTahCayagenHkúdaykatBkicðemgRbdabenHGacRtÚel KEI g RbsnebsónPaBsñenAerKam

krNNamlydt;xagerkamenH ³

1> Rbsnebrbrkæ nigRbdabepSg²)an temgenAKEngEdI sñ

2> Rbsnebrbrkæ nigRbdabepSg²)anRKbCitedayekASð/sñlyak bvtðfatGlsLLg;
 epSgeTot

ExSGK \bar{A} snltg \bar{s} üjTabk \bar{g} Gkar Rt \bar{U} tem \bar{g} tamre \bar{b} o \bar{y} agNa k \bar{U} bHeTAm \bar{g} ExSbN \bar{h} j T \bar{U} KmnaKmn_ b \bar{g} p \bar{A} p \bar{g} T \bar{k} b \bar{g} ;]s \bar{h} b \bar{v} t \bar{B} sed \bar{g} K \bar{e} pS \bar{g} ²eTot .

maRta 65³ kartem \bar{g} eRkAGkar k \bar{g} Tita \bar{U} G \bar{k} eR \bar{B} R)as;

65>1 ExSbN \bar{h} j Gakastg \bar{s} üjTabP \bar{a} bmkTita \bar{U} G \bar{k} eR \bar{B} R)as;

1> k \bar{U} sBdl

k \bar{U} sB \bar{e} p \bar{b} lminRt \bar{U} TabCag 4EmRteT ngminRt \bar{U} TabCag 6>5EmRteT s \bar{h} abExSq \bar{g} katp \bar{b} .

2> Km \bar{a} tCam \bar{y} vt \bar{b} eTeTot

ExSGakastg \bar{s} üjTab P \bar{a} bmkTita \bar{U} G \bar{k} eR \bar{B} R)asRt \bar{U} tem \bar{g} [RsbtammaRta 55 . s \bar{h} abGkarEdI k \bar{g} enaHExSGakastg \bar{s} üj TabP \bar{a} bmkTita \bar{U} G \bar{k} eR \bar{B} R)as; Rt \bar{U})antem \bar{g} edayp \bar{a} l ; b \bar{R} sne \bar{b} man \bar{k} arB)akbec \bar{e} Tsk \bar{g} kartem \bar{g} e \bar{f} üa)ay [RsbtammaRta 55enaHExSGakastg \bar{s} üjTabenHRt \bar{U} tem \bar{g} yagNa min [mn \bar{s} SGac \bar{b} hva)aneT \bar{a} h \bar{b} CaG \bar{k} enaHsn \bar{g} edecj B \bar{b} g \bar{e} reb \bar{g} b \bar{k} Eng \bar{g} katEdI mn \bar{s} ST \bar{e} TAGacc \bar{U} eTAdI k \bar{e} lay .

65>2 kartem \bar{g} eRkAGakar \bar{d} eTeTotk \bar{g} Tita \bar{U} G \bar{k} eR \bar{B} R)asExSGK \bar{A} snl bExSkabRt \bar{U} s \bar{h} enAk \bar{g} b \bar{g} ; R \bar{b} sne \bar{b} l mn \bar{s} SGac \bar{m} anI T \bar{p} aB \bar{b} hva . rn \bar{s} sk \bar{b} n \bar{p} rn \bar{g} K \bar{A} snRt \bar{U} EtCa \bar{r} beP \bar{t} min \bar{U} T \bar{k} R \bar{b} sne \bar{b} lTita \bar{U} enaH \bar{g} acrgT \bar{k} eP \bar{g} . R \bar{b} sne \bar{b} X \bar{l} j faGac \bar{m} aneR \bar{k} ah \bar{f} akRt \bar{U} tem \bar{g} R \bar{b} dab; karBar .