



OLPVFZPUMIC,  
V[5], [8 VMOL; Z VG]  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPPAF, F; FCJA NJUZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\_#/qZ\_! \*  
TP\_\*v\$\_vZ\_! \*

VZHNZ ov zL DGMH IJHI IDzF  
; FDFJF/F ov HFCZ DFICTL VIWSZL VG[0%] BL . HGZv V|GP5IPXFC sXCZ IJSF; fsJ:8 hMGf  
OZLI FNGL CSLST ov

IJOFI ov 8LSF GR ! \_q! Z\*4 ! \_q! Z(4 ! \_q! Z)4 JMO"GR ! 4 D, § . GFI T :8L8 GFSFJF/L ID<ST TYF 8LSF  
GR! \_q\*& ; l4 DqXL :8L8 TYF #q! &#4 #q! &\$4 ! q! &54 5FK, L VM, L :8L8 JF/L ID<ST GL IJSF;  
5ZJFGUL AFATP SJ:8 hMG VF. POLP GR ! \_\$4 TP Zq\_ZqZ\_! \* sDWI:Y VF. POLP GR \$) &4 TP  
Z\_q\_ZqZ\_! \*f  
; NE" ov VZHNZGL TP\_\*q\$\_qZ\_! \* YL V5L, GPSMC/WZ/FAP/\_#/Z\_! \*GL  
5YD V5L, AFATP

p5ZNST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S| VZHNZ[ TP Z\_q\_ZqZ\_! \* GF ZMH 8LSF GR ! \_q! Z\*4  
! \_q! Z(4 ! \_q! Z)4 JMO"GR ! 4 D, § . GFI T :8L8 GFSFJF/L ID<ST G[V5FI], IJSF; 5ZJFGULGL IJUT4 TYF 8LSF GR! \_q\*&  
; l4 DqXL :8L8 TYF #q! &#4 #q! &\$4 ! q! &54 5FK, L VM, L :8L8 JF/L ID<ST GL IJSF; 5ZJFGUL VUGL DFICTL DFUTL  
VZHL DWI:Y SRZL BFT[SZJFDAVFJ, 4 H[DWI:Y SRZL TZOYL 5+ GR; lqVFZP8LPVF. q\$) &4 TP Z! q\_ZqZ\_! \* GF ZMH J:8  
hMG G[TANL, SZJFDAVFJ, 4 HFCZ DFICTL VIWSZL TZOYL 5+ GR J:8 hMG qVFZP8LPVF. P; [ ! 5)4 TP \_5q\_5qZ\_! \* YL  
CSLST , 1FL DFICTL 5ZL 5F0JFDAVFJ, P

VZHNZ[ TP Z(q\_#qZ\_! \* GF ZMH Olq! ! \*\*( YL DP SIDxGZZL G; AIWTL 5YD V5L, ; FpY . :8 hMG BFT[  
SZJFDAVFJ, 4 H[; FpY . :8 hMGqVFZP8LPVF. P; [ q VFZP8J0"GR \_# TP \_&q\$\_qZ\_! \* GF ZMH ZFNZ hMG G[TANL, SZJFDA  
VFJ, 4 V+GF hMGG[ TP \_\*q\$\_qZ\_! \* GF ZMH D/, P VZHNZG[# INJ; DFUTL 5TEFJ D/, GYL TD H6FJL 5YD  
V5L, VZHL SZ[ Kp 5ZT] HFCZ DFICTL VIWSZL TZOYL DWI F DHAGL DFICTL +FICT ji ISTGL ID<ST ; AIWT Kp HYL  
VFZP8LPVF. P V\$8vZ\_\_5 GF IG1 DFG; FZ S, Dv! ! GL SFI "JFCL SZJFDAVFJ, Kp 56YIYL IG1 DFG; FZGL DFICTL VF5L  
XSFX[ VJMHJFA 5F9JJFDAVFJ, VZHNZG[5]I]Z G D?I FGL ZHMT VU[VZHNZG[TGL 5G0GS, 5ZL 5F0JFGL ZCP

CSD

VZHNZGL ! \*q\_ZqZ\_! \* GL VZHL YL DFUJFDAVFJ, DFICTL AFAT[ HFCZ DFICTL VIWSZL TZOYL CSLST  
, 1FL DFICTL 5ZL 5F0JFDAVFJ, CMI 4 HYL VZHNZG[TGL 5G0GS, 5ZL 5F0JF 0%] BL . HGZ VGI HFCZ DFICTL VIWSZLG[  
H6FJJFDAVFJ[Kp

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V5[ B VFO; Z VG]  
SFI 5F, S . HGZs5IZD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSZL VG[0%] BL . HGZv V|GP5IPXFC s5I` RDhMGfsXCZ IJSF; IJEFUFPPPH6 TYF  
VD, DF8P  
sZf DNNPHFCZ DFICTL VIWSZL VF; IP. HGZL VG[H]. HGZs5I` RD hMGvZFNZf sXCZ IJSF; IJEFUFPPPH6  
TYF VD, DF8P  
s#f zL DGMH IJHI IDzF4



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNIZf  
OPFAF, F; FC[A NJUZ; ZM04 TF0JFOL4  
gI ]ZFNIZ ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMGo\_Z&! vZ\* (&! (! v(Zv( #

V5L, VZHLGP**SMC/WZ/FAP/GP**\_\$qZ\_! \*  
TFP! ! v \$vZ ! \*

VZHNFZ 0VZL HI 8FS

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG|VM, 0%I ]8L . HGZ sXCZ IJSF; fsJ:8 hMGf  
OZL I FNGL CSLST ov

IJQFI ov VZHNZGL J[8 hMG VF. POLP GR ! \_ \* \$4 TFP \_ \* q#qZ\_! \* GL VZHIYL IAGVIWST  
AFWSFDG[K], F VS JQF"sZ\_! &vHFgI MFZLf DF\5F9J!, GM8L; S[DGF. C\\$DGL GS, AFATP  
; NE"ov VZHNZGL TFP! ! q\$\_qZ\_! \* YL V5L, GRSMC/WZ/FAPq\$\_/Z\_! \* GL  
5YD V5L, AFATP

p5Z!ST IJQFI VG[; NE"AFAT[H6FJJFG]S|VZHNZGL TFPZ\*q\_ZqZ\_! \* GL VZHLYL s! f ; ZT XCZDFRF, TF  
IAGVIWST AFWSFDIG[ K], F V\$ JQFDFsZ\_! &vHfg| MfZL DF 5F9J| GM8L; S| DGF. C\$DGL GS, ; FY[IJUTJFZ DFICTL4  
sZF IAGVIWST AFWSFD S| F SDRFZL 4 V|WSFZLGf SF1 1F+DFV|FJ| K| TDGF GFD4 CM|F4 SDRFZL GAZ ; FY|GL IJUTJFZ  
DFICTL4s#f SRZL FFZL GM8L; 5F9J| F AFN ID<STNFZ[ZH]SZ| AFCWZL 5+ GL GS, H|JL DFICTL DFUTL VZHL ; q8= hMG BFT[  
SZJFDA VFJ| 4 H| ; LP; LP; LP; qVfp8J0" GR qZ55\*4 TFP \_! q\_#qZ\_! \* YL ZFNZ hMGG|TANL, SZJFDV  
VFJ| 4 H| VU| HFCZ DFICTL V|WSFZL TZOYL 5+ GR J|8hMGqVfp8LPVF. P; | q! (&) 4 TFP Z! q\_#qZ\_! \* YL VZHNZGL  
IGIT ; DI VJIWDF GF6FEZL DFICTL D|JJF 5|TFJ SZ| K| HGF VG| WFG| VZHNZ TZOYL TFP \_\*q\_\$qZ\_! \* YL  
; LP; LP; LP hP BFT[~P \$#&qV EZ5F. SZ| K|

VZHNFZ[TP ! ! q\$\_qZ\_! \* GF ZMH V5L, VIWSFZL ZENZ hIGG[IGI T ; DI DI FNFD\DFICTL 5ZL 5FOJFDA G  
VJTF IJGFDTK [DFICTL GL DFU6L SZ] Kp VFZP8LPVF. SFN NGFL S, DV\*SF# VG[IGI D v5 DHA VZHNFG[ING #\_ DF  
VZHNFZ GF6R EZ5F. SZL T\T DFICTL GL GS, M 5ZL 5FOJL HM. V\ ; NZ IS:; FDR VZHNFZ[TP \_ \*q\$\_qZ\_! \*GF ZMH GF6F  
EZ5F. SZ] CMF KTAHFCZ DFICTL VIWSFZL TZOYL SM. DFICTL VZHNFG[GIC D/L CMFGL V5L, TASS[ZH]VFT SZ] Kp  
H[VITUELZ AFAT Kp

CSD

VZHNFZGL TFP \_ \* qZ\_! \* GL VZHLYL DFUJFDA VFJ[ DFICTL ; NE"VZHNFZ[ TFP \_ \* q\_ \$qZ\_! \* GF ZMH  
DFU[ DFICTLGF GF6AEZ5F. SZ[ CM 4 ; NZ DFICTL VZHNFZG[ TFP S 5ZL 5FOJF TYF T[ AFAT[ H~ZL TSNFZL ZFBFJF HFCZ  
DFICTL VWSFZLG[ ; ]RT SZJFDA VFJ[KP

GRJ[ 8 hMGqVFZP8LPVF. PgGR  
TFZLBov v vZ\_! \*P

SOPVZPUMC, f  
V5[ B VFO; Z VG[  
SFI 5F, S . HGZs5IzD hFGvZENZF  
; ZT DCFGUZ5FI, SFP

5|T4  
s! f HFCZ DFICT  
sZf DNNPHFCZ  
DF8P  
S#f ZL HI 8FS4



VFP5LP58[  
V5I, 8 VMOL; Z VG[  
VF; LPDI ]GPSIDxGZ



; JT DCFGUZ5FI, SF  
5IUD hMG sZPNZf  
OPAF, F; FCIA NJZ; ZM04 TFOJFOL4  
gI ]ZPNZ ZM04; JT v #) 5 \_\_) P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\_5 qZ\_! \*  
TFP! 5v\_\$vZ\_! \*

VZHNZ ovzL ZFHX VDT, F, 501 F

; FDFJF/F ovHFPDFP VIWSFZL VG[ VF; LP SIDxGZ sHDLG ID<ST IJEFUF s5I`RDhMGf

OZLI FNGL CSLST ov

IJQFI ovVZHNZGL J:8 hMG VF. P0P GR ! \_5\_4 TFP Z(q\_Zq\_! \* GL VZHL YL HCFULZ5Zf  
SMI]GL8L CM, VU[GL D]F GR ! YL ( VU[GL DFICTL AFATP  
; NE"ov VZHNZGL TFP! 5q\_\$q! \* GL 5YD V5L, VZHL GPSMC/WZ/FAP/\_5qZ\_! \*v! (

p5ZMST IJQFI VG[ ; NE"AFAT[H6FJJFG]S| VZHNZ[ TFP Z(q\_Zq\_! \* GL VZHL YL HCFULZ5Zf SMI]GL8L CM,  
VU[D]F GR ! YL ( VU[GL DFICTL DFUTL VZHL V+GF J:8 hMG BFT[SZJFDA]VFJ, HGF VG]; WFG HFCZ DFICTL VIWSFZL  
TZOYL J:8 hMG 5+ GR ! (\$\_4 TFP ! \*q\_Z\_! \* YL IGIT ; DI VJIWDA5I]TZ 5F9JJFDA]VFJ, 4 H[VU[VZHNZ FFZ  
TFP ! 5q\_\$qZ\_! \* GF ZMH 5YD V5L, ; JFWLXG[; XMTL 5YD V5L, NFB, SZ, Kp H[VU[GIR]DHAGMCSD SZL V5L, GM  
IGSF, SZJFDA]VFJ[Kp

CSD

VZHNZGL TFP ! 5q\_\$qZ\_! \* GL VZHL YL DFUJFDA]VFJ, HFCZ DFICTL VIWSFZL TZOYL CSLST, 1FL DFICTL  
IGIT ; DI VJIWDA5I]L 5F0] CM 4 V5L, VU[IJX]F SFI JFCL SZJFGI ZCITL G CM 4 V5L, VZHL NOTZ[SZJFDA]VFJ[Kp

sVFP5LP58[ f  
GRJ:8 hMGqVFP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

V5I, 8 VFIO; Z VG[  
VF; LPDI ]GPSIDxGZs5IzD hFgVZPNZf  
; JT DCFGUZ5FI, SF

5IT4

s! f HFCZ DFICTL VIWSFZL VG[ VF; LP SIDxGZsHDLG ID<ST IJEFUF sJ:8 hMGf HF6 ; F]

SZf zL ZFHXEF. VDTEF. 501 F4

S#f TMIGL V5L, VZHL VU[p5ZGL IJUTGACSD wJFZF SZJFDA]VFJ, IGSF, ; AA HF6 ; F~P



OLPVFZPUMIC,  
V|5|, 8 VMO; Z VG[  
SFI 5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FCIA NJZ; ZM04 TFOJFOL4  
gI ] ZFNZ ZM04; JZT v #) 5 \_\_\_\_P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\_&qZ\_! \*  
TFP! 5v\_\$vZ\_! \*

VZHNZ oVZL DCX SP58[

; FDFJF/F oVHFCZ DFICTL VIWSZL VG[0%]BL . HGZv V|GP5LPXFC sXCZ IJSF; fsJ: 8 hMGf  
OZL FNGL CSLST oV

IJOFI oV VZHNZGL J: 8 hMG VF. POLPGR ! \_ (\$4 TFP \_ (q\_Z! \*s; j8\_ hMG  
VF. POLPGR Z5) 54 TFP Z(q\_Z! \* GL VZHLYL ; Z: JTL GUZ ; M; FI 8L T]; L  
V|5F8Dj8GL AFHDFIN5DF, F ; M; FI 8LGUZ GL 5F; [ZFDGUZ ZFNZ JF/L ID<ST  
AFATP  
; NEbv VZHNZGL TFP! 5q\_Z! \* YL V5L, GRSMC/WZ/FAP/\_&Z\_! \*v! (GL  
5YD V5L, AFATP

p5ZINST IJOFI VG[; NE" AFAT[ H6FJJFG] S[ VZHNZ] TFP Z(q\_Z! \* GF ZMH VZHLYL ; Z: JTL GUZ  
; M; FI 8L T]; L V|5F8Dj8 v! IN5DF, F ; M; FI 8LGUZ GL 5F; H[AFWSFD Y. ZC[ Kp T[ID<ST VUGL D]f GR ! YL ! \_ VUGL  
DFICTL DFUTL VZHL ; j8\_ hMG BFT[SZJFDA]VFJ, 4 H[; LP; LP; LhpqVfp8J0"GR qZ5) 54 TFP \_ ! q\_Z! \* GF ZMH  
TANL, SZ[ H[V+GF J: 8 hMG G[ TFP \_ (q\_Z! \*GF ZMH D/[ 4 VZHNZGL ; NZ VZHL AFAT[ HFCZ DFICTL VIWSZL  
TZOYL DFICTL G D/TF VZHNZ[TFP ! 5q\_Z! \* GF ZMH V5L, ; jFIWSZL ZFNZ hMG(SM. 56 DFICTL S[IG61 D/[, GYL  
TJ] H6FJL 5YD V5L, SZJFDA VFJ, 4 V5L, NZdI FG HFCZ DFICTL VIWSZL TZOYL VZHNZG[ 5+ GR J: 8  
hMGqVfp8LPVF. P; [ q! &\_4 TFP \_ 5q\_Z! \* YL DFuI F DHAGL DFICTLDAJ6J[ ID<ST V: 508 Kp V8, S[ID<STGF 8fpG  
%, FGLU4 :SLD GAZ4 OFIG, %, MB GR , MSXG IJUZ[ H6FJL 5YD DFICTL 5ZL 5FOL XSFX[ TJM 5t1TZ 5F9JJFDA VFJ, 4  
VZHNZG[ V5L, VZHL VU[SM. IJXDF SFI "JFCL SZJFGL ZC[TL GYL  
CSD

VZHNZGL Z(q\_Z! \* GL VZHLYL DFUJFDAVFJ, DFICTL HFCZ DFICTL VIWSZL TZOYL DFICTL 5ZL  
5F0JFDAVFJ, CMI 4 V5L, VZHL VU[SM. SFI "JFCL SZJFGL ZC[TL G CMI 4 V5L, VZHLGMICSF, SZJFDAVFJ[Kp

GRJ: 8 hMGqVfp8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V|5|, 8 VMO; Z VG[  
SFI 5F, S . HGZs5IZD hFGvZFNZf  
; JZT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICTL VIWSZL VG[0%]BL . HGZv V|GP5LPXFC s5I RDhMGfsXCZ IJSF; IJEFUFPPPHF6  
DF8P

sZf DNNPHFCZ DFICTL VIWSZL VF; LP. HGZzL VG[H]. HGZs5I RD hMGvZFNZf sXCZ IJSF; IJEFUFPPPP  
HF6 DF8P

s#f zL DCXEF. SP 58[ 4



OLPVVFZPUMIC,  
V|5|, 8 VMO; Z VG[  
SFI '5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ] ZFNZ ZMO4; JZT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\_\*qZ\_! \*  
TFP! 5v\_-\$vZ\_! \*

VZHNZ ovzL ZD|X SP HFULO

; FDFJF/F ovHFCZ DFICTL VIWSZL VG[0%]BL . HGZv V|GP5LPXFC sXCZ IJSF; fsJ: 8 hMGf  
OZL FNGL CSLST ov

IJOFI ov 8LP5LP Z) sZFNZf4 OFP %, MB GR ###4 ; A %, MB GR #Z\_ YL #Z( DRYTAFWSD  
AFAT[

; NEbv VZHNZGL TFP! 5q\_-\$qZ\_! \* YL V5, GRSMC/WZ/FAP/\_\*/Z\_! \*v! (GL  
5YD V5L, AFATP

p5ZMST IJOFI VG[; NE"AFAT[ H6FJJFG]S| VZHNZGL TFP ! )q\_! qZ\_! \* GF ZMH VZHLYL 8LP5LP Z)  
sZFNZf4 OFP %, MB GR ###4 ; A %, MB GR #Z\_ YL #Z( DRYTAFWSD VU[ DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDA  
V|FJ| 4 hGF VG]; WFG[ZFNZ hMG TZOYL 5+ GR J: 8 hMGq VFZP 8LPVVF. P; | q ! &###4 TFP #\_q\_! qZ\_! \* YL VZHNZG[IGIT  
; DI VJIWDFAGF6FNEZL DFICTL D|JJF 5: TFJ SZ| VZHNZ TZOYL TFP ! \*q\_ZqZ\_! \* ~FP 5\$ qvEZ5F. SZ| Kp  
VZHNZ TZOYL TFP ! \*q\_ZqZ\_! \* YL ~FP 5\$ qv EZ5F. SZ| Kp VZHNZ| TFP ! 5q\_-\$qZ\_! \* GF ZMH  
V5L, VIWSZL ZFNZ hMGG[IGIT ; DI D1 FNFDFA DFICTL GL GS, M 5ZL 5F0JFDAG V|FJF IJGF DkI | DFICTL GL DFU6L SZ| Kp  
VFZP8LPVVF. SFI NFGL S, Dv\* s#f IGI Dv5 DHA VZHNZG[INGv#\_ DFVZHNZ GF6F EZ5F. SZL T| DFICTL GL GS, M  
5ZL 5F0JL HM. V|FJF ; NZ IS:; FDFV VZHNZ[ TFP ! \*q\_ZqZ\_! \* GF ZMH GF6F EZ5F. SZ| CMJF KTAHFCZ DFICTL VIWSZL  
TZOYL SM. DFICTL VZHNZG[GIC D/L CMJFGL V5L, TASS|ZH|MFT SZ| Kp H[VITUELZ AFAT Kp  
CSD

VZHNZGL TFP ! )q\_! qZ\_! \* GL VZHLYL DFUJFDA V|FJ| DFICTL ; NE"VZHNZ[ TFP ! \*q\_ZqZ\_! \* GF ZMH  
DFUJ| DFICTL GF6F EZ5F. SZ| CMJF 4 ; NZ DFICTL VZHNZG[ TFP S 5ZL 5F0JF TYF T| AFAT[ H~ZL TSNFZL ZFBF HFCZ  
DFICTL VIWSZLG[; JRT SZJFDA V|FJ| Kp

GRJ: 8 hMGq VFZP8LPVVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVVFZPUMIC, f  
V|5|, 8 VFO; Z VG[  
SFI '5F, S . HGZs5IzD hFgVZFNZf  
; JZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSZL VG[0%]BL . HGZv V|GP5LPXFC s5I` RDhMGfsXCZ IJSF; IJEFUFPPPH6 TYF  
VD, DF8P  
sZf DNNPHFCZ DFICTL VIWSZL VF; |P. HGZzL VG[H]. HGZs5I` RD hMGvZFNZf sXCZ IJSF; IJEFUFPPPP  
HF6 TYF VD, DF8P  
s#f zL ZD|X SP HFUL04



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFN[Zf  
OFPAF, F; FC[A N[JZ; ZM04  
TFOJFOL4  
gI ]ZFN[Z ZM04; ]ZT v #) 5 \_\_\_\_ )P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\_) qZ\_! \*  
TPZ! v\_-\$vZ\_

VZHNFZ ovzL ELB]EF. UMZWGEF. SWF6L  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I BL . HGZv ALPV|RPHFO|HF4 VG[HFCZ DFICTL  
VIWSFZL VG[0%I BL . HGZ DLTEAG UFWL sXCZ IJSF; f sCFp; LU IJEFUfsJ: 8  
hMGf  
OZLI FNGL CSLST ov

IJOFI ov VZHNFZGL J: 8 hMG VF. P0LP GR ! \_&) 4 TFP \_#qZ\_! \* VZHLYL VFp8J0"  
GR! \$ (\*4 TFP ! )qZ\_! & GM; M; FI 8L TZ0YL VF5JFDFV[ FJ, , IBT  
HJFAGL GS, TYF VFp8J0"GR Z\_Z\* TFP \_ (q\_\*qZ\_Z GF (N.O.C. From  
President oFSociety) GF HJFAGL GS, AFATP  
; NEbv VZHNFZGL TPZ! q\_-\$vZ\_! \* YL V5L, GPSMC/WZ/FAP/\_)/Z\_! \*v! (

GL 5YD V5L, AFATP

p5ZINST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL \_#qZ\_! \* GL VZHLYL s! f sVFp8J0" GR  
! \$ (\*4 TFP ! )qZ\_! & GM; M; FI 8L TZ0YL VF5JFDFV[ FJ, , IBT HJFAGL GS, P SZF sVFp8J0"GR Z\_Z\* TFP \_ (q\_\*q  
Z\_Z GF VGSD GAZ (sV9f(N.O.C. From President of Society) GF HJFA s; M; FI 8L TZ0YL VF5JFDFV[ FJ  
N.O.C GL f GS, GL DFU6L SZTL VZHL V+GF J: 8 hMG BFT[SZJFDFV[ FJ, 4 HGF VG]; WFG[D]f GR ! VU[HFCZ DFICTL  
VIWSFZL CFp; LU IJEFU TZ0YL 5+ GR J: 8 hMG qVFZP8LPVF. P; [ q!] ! (4 TFP #\_qZ\_! \* YL IGI T ; DI VJIWDA  
5t1TZ 5F9JJFDFV[ FJ, KPHI FZ[ 5+ GR J: 8 hMG qVFZP8LPVF. P; [ q!] (&\*4 TFP Z! qZ\_! \* YL DFUf F DHAGL DFICTL  
+FICT jI ISTGL ID<ST ; IAIWT Kp HYL VFZP8LPVF. PV\$8vZ\_5 GF IGI DFG; FZGL S, Dv! ! GL SFI"JFCL S1 F" AFN  
IGI DFG; FZGL DFICTL VF5L XSFXP TjM IGI T ; DI VJIWDA 5t1TZ 5F9JJFDFV[ FJ, 4 HGF VG]; WFG[ +FICT 51FSZ[ TFP  
Z#qZ\_! \* GF 5+YL DFICTL G VF5JF H6FJ, 4 HGF VG]; WFG[ VZHNFZ[ TFP Z! q\_-\$vZ\_! \* GF ZMH DFUf DFICTL HG[  
VG]-5 Kp T[ OF. , GF 5[ h VF VUFp DG[ VF5[ Kp TM V\$ 5[ hDFAS, D v! ! SD GO[Kp TjH6FJL V5L, ; ɁFWLX J: 8  
hMG G[5YD V5L, SZ[ Kp p5ZINST V5L, GMGLR[5PF6[CSD S2L IGSF, SZJFDFV[ FJ[Kp  
CJS

VZHNFZGL TFP \_#qZ\_! \* GL VZHLYL DFUJFDFV[ FJ, DFICTL +FICT 51FSZGL CMI 4  
V5L, VZHL NOTZ[SZJFDFV[ FJ[Kp

GRJ: 8 hMG qVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZFN[Zf  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[0%I BL . HGZv ALPV|RPHFO|HF4 VG[HFCZ DFICTL VIWSFZL VG[0%I BL  
. HGZv DLTEAG UFWL s5I` RDhMGfsXCZ IJSF; IJEFUfsCFp; LU IJEFUfPPP HF6 DF8P  
sZF DNNPHFCZ DFICTL VIWSFZL VF; IP. HGZzl VG[ HP. HGZs5I` RD hMGvZFN[Zf sXCZ IJSF;  
IJEFUfPPP HF6 DF8P  
s#f zl ELB]EF. UMZWGEF. SWF6L



VFPZP5LP58[  
V[5], 8 VMOL; Z VG[  
VF; LPDI]GPSIDxGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FCIA NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; JT v #) 5 \_\_) P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP! \_qZ\_! \*  
TFPZ5v\_\$vZ\_! \*

VZHNZ ovzL GJLGEF. DMCGEF. EØFZL

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[VFSZ6L VG[J; ], FT VIWSFZL sVFSZ6LIJEFUfs5I` RDhMGf  
OZLI FNGL CSLST ov

IJQFI ovVZHNZGL J[8 hMG VF. POPL GR ! ! 5#4 TFP Z(q\_#qZ\_! \* GL VZHLYL 3Z GR \$ZZ

TYF 3Z GR \$#\* EØFZLJFO VOFH6 UFDT/GL ID<ST VUGL D;F GR ! YL \$ GL DFICTL

AFATP

; NEbv VZHNZGL TFPZ5q\_\$q! \*GL 5YD V5L, VZHL GPSMC/WZ/FAP!/ \_qZ\_! \*v! (

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNZ]TFP Z(q\_#q! \* GL VZHLYL s! f 3Z GR \$ZZ EØFZLJFO  
VOFH6 UFDT/ HGM 8GFDq8 GAZ ! \*V[ \_\*v\_Z\_! v\_v\_\_! YL GIMFI, Kp T[ ID<STGF NFB, YIF VUGL VZHL TYF  
p5, aW TDFZGL GS, 4 sZf 3Z GR \$#\* EØFZLJFO VOFH6 UFDT/YL GIMFI, ID<STGF NFB, YIF VUGL VZHL TYF  
p5, aW TDFZGL GS, 4 s#f dI P8GFDq8 GR ! \*V[ \_\*v\_Z\_! v\_v\_\_! DFVFSZ6L NOTZ[; NZ ID<ST NFB, SZJFDAVFEJL  
tI FZYL VFHING ; Ml Df H[SM. OZOFZ SZJFDAVFEJL F4 T[OZOFZ S1F VFWFZ 5ZJFG[ VFWFZ SZJFDAVFEJL F T[ VU[Z\$0"p5Z  
p5, aW TDFD N:TFJHL 5ZJFG4 BF; GMBl; TYF ZMHSFDGL GS, MTDfZ qDFICTLGL DFU6L GL SZ[ s\$fdI] 8GFDq8 GR  
! \*V[ \_\*v\_Z\_! v\_v\_\_! JF/L ID<ST VFSZ6L NOTZ[NFB, Y. tI FZYL VFHING ; Ml VFSZ6L 5+SGL GS, GL DFU6L  
SZTL VZHL V+GF J[8 hMG BFT[ SZJFDAVFEJL 4 HGF VG[ WFG[ HFCZ DFICTL VIWSFZL TZOYL 5+ GR J[8 hMG  
VFZP8LPVF. P; [ q\$4 TFP ! #q\_#qZ\_! \* YL IGIT ; DI VJWDA GF6A EZL DFICTL D/VJJF 5:TFJ SZ[ 4 HGF VG[ WFG[  
VZHNZ]TFP ! (q\_#qZ\_! \* GF ZMH ~FP ! &qv EZL DFICTL D/VJ, P

VZHNZ]TFP Z5q\_\$qZ\_! \* GF ZMH VF5[ DFICTL V5ZTL VG[VWZL Kp VD H6FJL V5L, ; 2FIWSFZLG[5YD  
V5L, SZ[ 4 5ZT]D;F GR ! 4#4\$ VqJ1[VZHLDAH6FJ1F DHA ID<STGL DFICTL AFAT[ ID<STGF 5YD SZ5F+ jI ISTGL JFWF  
VZHL ZH]SZ[ CMI HYL DFICTL VF5L XSFI GCL4 H1 FZ[D;F GR Z DFH6FJ[ 3Z GR \$#\* JF/L ID<STGF GFDDA OZOFZ ; G[  
! ))5v)&GF JOFDA YI, CMI 4 Z\$0" ~<; DHA ; 1FD ; 2FGL DHZL G[ VFIWG GFX SZJFDAVFEJL CMI 4 GF6FSLI JOF  
Z\_! #v! \$ NZdI FG ZLJLhg SFI JFCL VTUT ID<ST AFWSFDGF OZOFZM SZJFDAVFEJL 4 HGF Z\$0" TDFZ p5, aW CMI TGL  
GS, VF5JFDAVFEJL 4 p5ZMST CSLST wI FG[. GLR[DHAGMCSD SZJFDAVFEJ[KP

CSD

VZHNZGL TFP Z(q\_#qZ\_! \* GL VZHL YL DFUJFDAVFEJL CSLST, 1F DFICTL HFCZ DFICTL VIWSFZL TZOYL  
IGIT ; DI VJWDA5ZL 5F0, CMI 4 V5L, VZHL NOTZ[SZJFDAVFEJ[KP

sVFPZP5LP58[ f

GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

V[5, B V[0; Z VG[  
VF; LPDI]GPSIDxGZs5IzD hFGvZFNZf  
; JT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICTL VIWSFZL VG[VFSZ6L VIWSFZL sVFSZ6L IJEFUfsJ[8 hMGf HF6 ; FZ]

sZf zL GJLGEF. DMCGEF. EØFZL4

s#f TMIGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJZF SZJFDAVFEJL IGSF, ; AA HF6 ; F~P



OLPVFZPUMIC,  
V5I, 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FC[A NJZ; ZM04  
TFOJFOL4  
gI ] ZFNZ ZM04; JZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5I, VZHLGPSMC/WZ/FAP/GP! ! qZ\_! \*  
TFP! (v\_\$vZ\_! \*

VZHNFZ ovzL RFcf6 GULGEF. 5ZFUHL  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[ VM, 0%I 8L . HGZ sXCZ IJSF; fsJ; 8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov VZHNFZGL J; 8 hMG VF. POLP GR ) Z54 TFP ! &q\_! qZ\_! \* s; 8 hMGGL VF. POLP  
GR Z! #Z4 TFP \_ \*q\_! qZ\_! \*f GL VZHLYL XCZL IJSF; IJEFUDF[UZSFN; Z  
AFWSFD DF8GL OIZI FN DF8[ VFJ; VZHLVNGL Z\$0"RSF; 6L HJL DJF GR ! YL \$  
VUGL DFICTL AFATP  
; NE"ov VZHNFZGL TFP! (q\_\$qZ\_! \*YL V5I, GRSMC/WZ/FAPq! ! /Z\_! \*GL 5YD  
V5I, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL TFP \_ \*q\_! qZ\_! \* GL VZHLYL s! f XCZ IJSF; IJEFU  
UZSFN; Z AFWSFDMGL OIZI FN DF8[ VFJ; VZHLVNGL Z\$0"RSF; 6L sKf, F ! JQGL FP sZf XCZ IJSF; IJEFUDF[UZSFN; Z  
AFWSFDM DF8[ IGEFJJFDFVVFJTF ZHL:8ZGF NZS SM, DGL DPGP5F EFZF GSSL YI[ OZDFGL SM5LP s#f XCZ IJSF; IJEFUDF  
IGEFJJFDFVVFJTF UZSFN; Z AFWSFD ZHL:8ZGL Z\$0"RSF; 6L Kf, F 5FR JQ"NZdI FGPs\$F XCZL IJSF; DFVOZH AHFJTF  
TDFD QP . HGZ GL OZH NXFJTF IJ:TFZGF GSXFGF SM5L DFUTL VZHL ; 8 hMG BFT[ SZJFDFVVFJ; 4 H[  
; LP; LP; LPqVFZP8LPVF. qVFp8J0"GR Z! #Z4 TFP \_ )q\_! qZ\_! \* YL DWI :Y XCZ IJSF; TYF TDFD hMG(TANI, SZJFDF  
VFJ; 4 H[ V+GF hMG(TFP ! &q\_! qZ\_! \* GF ZMH D/[ 4 HGF VG]; WFG[ HFCZ DFICTL VIWSFZL TZOYL 5+ GR J; 8  
hMGqVFZP8LPVF. P; q! &5\$4 TFP \_ #q\_ZqZ\_! \* GF ZMH IGIT ; DI VJWDFDjF GR Z VG[ DFuI F DHAGL DFICTL GM Z\$0"  
IGEFJJFDFVVFJTMGYIP D;F GR # VU[TP \_ &q\_ZqZ\_! \* GF ZMH ; FH[v\$0\_\_ S, FS[ NOTZL IGZL1F6 DF8[ ; \$XG VM0; Z zL  
; D1F CFHZ ZCJF H6FJ; 4 H[ FZ[D;F GR \$ VU[DFuI F DHAGM Z\$0"IGEFJJFDFVVFJ; GYI4 VJM 5t1JTZ 5F9JJFDFVVFJ; 4  
VZHNFZ EFZF TFP ZZq\_ZqZ\_! \* TYF \_ #q\_#qZ\_! \* GF ZMH NOTZL IGZL1F6 SZ[ 4 HGF VG]; WFG[ VZHNFZ TFP Z5q\_Z\_! \*  
GF ZMH NOTZL RSF; 6L DFuI F DHAGL DFICTL DHAGL DFICTL D/L GYIP T]H6FJL V5I, ; 2FWSZLG[5YD V5I, SZ[ 4 H[  
VU[ GLR[DHAGMCSD SZL V5I, GMIGSF, SZJFDFVVFJ[KP

CSD

VZHNFZGL TFP \_ \*q\_! qZ\_! \* GL VZHLYL DFUJFDFVVFJ; DFICTL VgJ1[VZHNFZ EFZF Z\$0"RSF; 6L 5KL  
DFuI F DHAGL GS, IGID v\* s5f C9/ GS, RFHL; EZJL GS, M5ZL 5F0JF HFCZ DFICTL VIWSFZLG[H6FJJFDFVVFJ[KP

GRJ; 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOPVZPUMIC, f  
V5I, 8 VFIO; Z VG[  
SFI 5F, S . HGZs5IzD hFGvZFNZf  
; JZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[ VM, 0%I 8L . HGZ s5I RDhMGfsXCZ IJSF; IJEFUFPPPHF6 TYF VD,  
DF8P  
sZf DNNPHFCZ DFICTL VIWSFZL VF; LP. HGZL VG[HP. HGZs5I` RD hMGvZFNZf sXCZ IJSF;  
IJEFUFPPP HF6 TYF VD, DF8P  
s#f zL GULGEF. 5ZFUHL RFcf64



VFZP5LP58[  
V5[, ]8 VMOL; Z VG[  
VF; LPDI ]GPSIDxGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFN[Zf  
OFPAF, F; FCJA NJZ; ZM04  
TFOJFOL4  
gI ]ZFN[Z ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GRSMC/WZ/FAP/GP! #qZ\_! \*  
TFPZ5v\_\$vZ\_! \*

VZHNFZ ovzL ICDT, F, ALP, LAF; LI F

; FDFJF/F ovHFC[Z DFICTL VWSFZL VG[5; MG[ VMIO; Z sD[CSD IJEFUfs5I` RDhMGf  
OZLI FNGL CSLST ov

IJQFI ovVZHNFZGL J[8 hMG VF. POLP GR ! ! ! Z4 TFP ! (q\_#qZ\_! \* GL VZHLYL VPLP  
; l8L . HGZL OLPVDP58[ hMG, RLO G[TFP #\_q\_#qZ\_! \* GF ZMH SZ[ VZHL  
VgJI[YI[ SFI UFCL AFATP  
; NEbv VZHNFZGL TFPZ5q\_! \* GL 5YD V5L, GRSMC/WZ/FAP/! #qZ\_! \*v! (

p5ZIST IJQFI VG[; NE"AFAT[H6FJFG]S[VZHNFZ]TFP ! (q\_#q! \* YL V[RPAIP, LAF; LI F 0%BL . HGZGL  
VPLP; l8L. HGZL OLPVDP58[ hMG, RLOG[ TFP \_#q\_#qZ\_! \* GF ZMH SZ[ VZHL VgJI[YI[ SFI UFCLGL IJUT DFUTL  
VZHL V+GF J[8 hMG BFT[SZJFDAVFJ[ 4 HGF VG]; WFG[HFC[Z DFICTL VWSFZL wJFZFIGIT; DI VJIWDA5+ GR J[8 hMGq  
VFZP8LPVF. P; q&Z4 TFP ! \*q\_#qZ\_! \* YL IGI T; DI VJIWDA VF5ZL V[DFU], DFICTL VF VUfp VFZP8LPVF. PqVF. POLP  
GR ! ! ! ! 4 TFP ! (q\_#qZ\_! \* GF VG]; WFG[5+ GR J[8 hMGqVFZP8LPVF. P; q! )4 TFP ! \_q\_#qZ\_! \* YL pST VF. POLPDA  
VF5[ DFU], DFICTL 5ZL 5F0JFDAVFJ[ Kp; NZ DFICTL H~Z CMI TMGF6FEZL DFICTL D/L XSXP VJM5I]TZ 5F9JJFDA  
VFJ[ 4 H[VU]GL[DHA GMCS D SZL V5L, GMIGSF, SZJFDAVFJ[Kp

CJS

VZHNFZGL TFP ! (q\_#qZ\_! \* GL VZHLYL DFUJFDA VFJ[ DFICTL VZHNFZG[ IGI T; DI VJIWDA 5ZL  
5F0JFDAVFJ[ Kp TD KTA VZHNFZG[; NZ DFICTLGL H~Z CMI TMGF6FEZL DFICTL D/VJJF:JT+ Kp

sVFZP5LP58[ f  
GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P  
V5[ B VFO; Z VG[  
VF; LPDI ]GPSIDxGZs5IZD hFGvZFNZF  
; ]ZT DCFGUZ5FI, SF

5|T4

s! f HFC[Z DFICTL VWSFZL VG[5; MG[ VMIO; Z sD[CSD IJEFUfsJ[8 hMGf HF6 ; FZ]  
SZF ZL ICDT, F, ALP, LAF; LI F  
s#f TMIGL V5L, VZHL VU[p5ZGL IJUT[GRCSD wJFZFSZJFDAVFJ[ IGSE, ; AA HF6 ; F~P



OLPVFZPUMIC,  
V[5], 8 VMO; Z VG[  
SFI 5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ] ZFNZ ZMO4; JZT v #) 5 \_\_\_\_P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP! \$qZ\_! \*  
TFP! 5v\_\$vZ\_! \*

VZHNFZ ovzL VIG, EF. NfpNEF. J6SZ  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZv VGP5LPXFC sXCZ IJSF; fsJ: 8 hMGf  
OZL FNGL CSLST ov

IJOFI ov VZHNFZGL J: 8 hMG VF. POLP GR ! ! \$) 4 TFP ! \*q\_#qZ\_! \* GL VZHLYL %, MB GR  
Z\$#vZ\$\$ GJ; HG ICgNL 5F9XF/F VU[D]F GR ! YL \* GL DFICTL AFATP  
; NEbv VZHNFZGL TFPZ)q\_#qZ\_! \* YL V5L, GRSMC/WZ/FAP/! \$/Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[ ; NE" AFAT[ H6FJJFG]S[ VZHNFZGL TFP Z\*q\_#qZ\_! \* GF ZMH %, MB GR Z\$#vZ\$\$  
GJ; HG ICgNL 5F9XF/F S06 SH ; M; FI 8L4 XZL GR ! ! 5F, G5Z HSFTGFSF VU[GL D]F GR ! YL \* VU[GL DFICTL DFUTL V+GF  
ZFNZ hMG BFT[SZJFDAVFJ, P

VZHNFZGL ; NZ VZHL AFAT[ HFCZ DFICTL VIWSFZL TZOYL SM. DFICTL VF5L GYL4 VD H6FJL TFP  
Z)q\_#qZ\_! \* GF ZMH V5L, ; &VIWSFZL G[ ; AMWTL 5YD VZHL ZFNZ hMG G[SZJFDAVFJ, 4 VFZP8LPVF. V\$8GL DFICTL  
S, D \*s f C9/ VZHNFZG[#\_ INJ; DFDFICTL 5ZL 5F0JFGL CMI Kp HFCZ DFICTL VIWSFZL TZOYL VZHNFZG(SM. 5tI]TZ  
5F9JJFDAVFJ, GYL4 HYL DFUJFDAVFJ, DFICTL VZHNFZG(IJGF DkI [5ZL 5F0JFGL ZC[Kp  
CSD

VZHNFZGL TFP ! \*q\_#qZ\_! \* GL VZHLYL DFUJFDAVFJ, DFICTL HFCZ DFICTL VIWSFZL TZOYL 5ZL 5F0JFGL  
VFJ, G CMI 4 H [DFICTL VZHNFZG[VFP8LPVF. V\$8GL S, D \*s&f C9/ IJGF DkI [ INGv \* DF5ZL 5F0JFGL DFICTL  
VIWSFZLG[H6FJJFDAVFJ[Kp

sOLPVFZPUMIC, f  
V[5], 8 VMO; Z VG[  
SFI 5F, S . HGZs5IZD hFGvZFNZf  
; JZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZv VGP5LPXFC s5I` RDhMGfsXCZ IJSF; IJEFUFPPPH6 TYF  
VD, DF8P  
sZf DNNPHFCZ DFICTL VIWSFZL VF; IP. HGZs5I` RD hMGvZFNZf sXCZ IJSF; IJEFUFPPPH6  
HF6 TYF VD, DF8P  
s#f zlVIG, EF. NfpNEF. J6SZ4



OLPVFZPUMIC,  
V5I, 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPAF, F; FC[A NÜZ; ZM04  
TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP! 5 qZ\_! \*  
TFP\_&v\_5vZ\_! \*

VZHNFZ ovZL ; { N ZOLS  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]8L . HGZv DLTFAG UFWL sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov VZHNFZGL J: 8 hMG VF. POLP GR ! ! \_ ) 4 TFP ! \* q\_#qZ\_! \* GL VZHLYL TFP  
\_! q\_! qZ\_! \$ YL ! 5q\_#qZ\_! \* ; WLDRIJSF; 5ZJFGUL DF8{ SB, L OF. , IJSF;  
5ZJFGUL VU[DHZ SZJFDAVFJL TYF TFP \_! q\_! qZ\_! \$ YL TFP! 5q\_#qZ\_! \*  
; WLDFAIP1P; IP SB, F AFWSFDNG|VF5JFDAVFJL T[VU]DFICTL AFATP  
; NEbv VZHNFZGL TFP\_&q\_5qZ\_! \* YL V5L, GRSMC/WZ/FAP/! 5/Z\_! \*v! ( GL  
5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG S[ VZHNFZGL TFP ! \* q\_#qZ\_! \* GF ZMH VZHLYL s! f TFP  
\_! q\_! qZ\_! \$ YL ! 5q\_#qZ\_! \* ; WLDRIJSF; 5ZJFGUL DF8{ SB, L OF. , MGWFI VG[SB, L OF. , MG| IJSF; 5ZJFGUL VU[DHZ SZJFDAVFJL VG[TGL ZHUIR9LGL GS, PsZf TFP \_! q\_! qZ\_! \$ YL ! 5q\_#qZ\_! \* ; WLDFAIP1P; IP SB, F AFWSFDNG|VF5JFDAVFJL T[G]DFICTL DFUTL VZHL V+GF ZFNZ hMG BFT[SZJFDAVFJ, 4 HGF VG] WFG[HFCZ DFICTL TZ0YL 5+ GR  
J: 8 hMGq VFZP8LPVF. P; ( q&) 4 TFP ! ) q\_#qZ\_! \*YL DFU[ DFICTL +FICT ji ISTGL ID<ST ; AWT j| ISTUT DFICTL Kp H[  
VFZP8LPVF. PV\$8 VTUT VF5JFGL YTL GYL4 VJM5|T|TZ 5F9JJFDAVFJ, P  
H| VU[VZHNFZ TFP \_&q\_5qZ\_! \* GF ZMH VIWSFZL SFI NF IJ~wWGM HJFA VF5I, Kp Tp] H6FJL V5L,  
; ZFIWSFZLG[5YD V5L, V+GF ZFNZ hMG BFT[SZJFDAVFJ, Kp JWDA VZHNFZ FFZ ALHF hMGDFAYL DFICTL 5ZL 5F0JFDA  
VFJ, Kp T[G]F 5+GL GS, ; FD, SZ, Kp p5ZMST AFATG| VU[GLR]DHA CSD SZL V5L, GMIGSF, SZJFDAVFJ, Kp  
CSD

VZHNFZGL TFP ! \* q\_#qZ\_! \* GF ZMHYL DFU[ DFICTL VZHNFZG|INGV\*DFCSLT, 1FL p5, aW DFICTL  
VFZP8LPVF. PV\$8GL S, D \*s#f VG|IGI Dv5 C9/ DFICTL 5ZL 5F0JF HFCZ DFICTL VIWSFZLG[H6FJJFDAVFJ[Kp  
VF5 p5ZGF IG6I YL GFZFH YI, CM4TMUHZFT DFICTL VF1 M4 SD1 MUL EJG4 a, MS GR! 4 ALHMDF/4  
IGDF6EJGGI 5FK/4 ; S8Zv! \_vV#UFWLGUZG|INGV) \_DFALHL V5L, SZL XSXMP

GRJ: 8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[0%I]8L . HGZv DLTFAG UFWL s5I RDhMGfsXCZ IJSF; IEFUFPPPHF6  
TYF VD, DF8P  
sZf DNNPHFCZ DFICTL VIWSFZL VF; IP. HGZL VG[H]. HGZs5I RD hMGvZFNZf sXCZ IJSF;  
IEFUFPPPHF6 TYF VD, DF8P  
s#f zl ; { N ZOLS4s; ]ZT ZjI]; FTFCLSF4

sOLPVFZPUMIC, f  
V5I, 8 VFI0; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SF



VFP5LP58[  
V5I, 8 VMOL; Z VG[  
VF; LPDI]GPSIDxGZ



; JT DCFGUZ5FI, SF  
5IUD hMG sZFNZf  
OPAF, F; FCIA NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; JT v #) 5 \_\_) P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP! & qZ\_! \*  
TFP! (v\_5vZ\_! \*

VZHNFZ ovzL 5|XFT zM04 VS G1 F EFZT

; FDFJF/F ovHPDFP VIWSFZL VG[ VF; LP SIDxGZ sHDLG ID<ST IJEFUF s5I` RDhMGf  
OZLI FNGL CSLST ov

IJOFI ov V+GL J; 8 hMG VF. POLP GR ! ! #54 TFP ZZq\_#qZ\_! \* s; 8\_ hMG  
VF. POLP GRZ\*\*\_4 TFP ! (q\_#qZ\_! \* GL VZHLYL HLGWFZ 8EJ; VG[; CSFZ  
CM8, qZ; 8MZ8 EFO V5FI, M8LP5LP! \$ %, M8 GR Z#( GL DFICTL AFA  
; NE"ov VZHNFZGL TFP! (q\_5q! \* GL 5YD V5L, VZHL GPSMC/WZ/FAP!/ &qZ\_! \* v! (

p5ZMST IJOFI VG[; NE"AFAT[H6FJFG]S[VZHNFZ]TFP ! (q\_#q! \* GLVZHLYL ZFNZ hMG TFOJFOL  
IJ:TFZDRAHLJGWZF 8EJ; VG[; CSFZ CM8, qZ; 8MZ8G]EFO[V5FI, M; JT DCFGUZ5FI, SFGM V15G %, M8 8LP5LP GR ! \$4 %, M8  
GR Z#( VUGL DFICTL DFUTL VZHL ; 8\_ hMG ; LJS ; 8Z BFT[ TFP ! (q\_#qZ\_! \* GF ZMH SZJFDR VFJ, 4 H[  
; LP; LP; LP; qVFP8LPVF. qVFP8J0" GR Z\*\*\_4 TFP Z\_q\_#qZ\_! \* YL 8LP5LPOLPVG]ZFNZ hMGG[TANL, SZJFDR VFJ, 4 H[  
V+GF hMGG[TFP ZZq\_#qZ\_! \* GF ZMH D/ 4 H[VU]HFCZ DFICTL VIWSFZL TZOYL 5+ GR J; 8 hMGqVFP8LPVF. P; q(\*4  
TFP Z! q\_#qZ\_! \* GF ZMH D/F GR ! 4Z4#4&4( VU[; NZ DFICTL Z\$0" p5Z p5, aW GYL4 VJM 5tI]TZ 5F9JJFDR VFJ, 4 H[ FZ[  
DjF GR \$45 VG[ ) VU[GF6F]EZL DFICTL D/JF 5; TFJ SZ, 4 D/F GR \* VU[; PDP5FP GL :YFI L; IDTL 9ZEJ DHA VJM  
5tI]TZ 5F9JJFDR VFJ, P VZHNFZG[D]F GR \$45 VG[ ) VU[GF6F]EZL DFICTL D/J, GYL

VZHNFZ FFZT TFP ! (q\_5qZ\_! \* GF ZMH VVZL4 VIMI VG[UZDFU]NMZGFZL DFICTL H6FJL ; 8\_ hMG  
BFT[ 5YD V5L, SZ, 4 H[V+GF hMGG! ! (q\_5qZ\_! \* GF ZMH D/ P VFP8LPVF. PV\$8GL S, D ZF VG[ZJ DHA HFCZ  
DFICTL VIWSFZL 5F; GL NOTZL p5, aW DFICTL 5ZL 5F0JFGL HMUJF. Kp H[DHA HFCZ DFICTL VIWSFZL VIGIT ; DI  
VJIWDFVZHNFZG]DFICTL 5ZL 5F0JFDR VFJ, Kp VFD DFICTL; NE[V5L, TASS]SM. SFI "JFCL SZJFGL ZC]TL GYL

CSD

VZHNFZGL TFP ! (q\_#qZ\_! \* GL VZHL YL DFUJFDR VFJ, NOTZL p5, aW DFICTL HFCZ DFICTL  
VIWSFZL TZOYL 5ZL 5F0JFDR VFJ, Kp V5L, VZHL NOTZ[SZJFDR VFJ]Kp

VF5 p5ZGF IG6I YL GFZFH YI, CMI 4TMUHZFT DFICTL VFIMJ4 SDI MJL EJG4 a, MS GR! 4 ALHMDF/4  
IGDF6EJGGI 5FK/4 ; S8Zv! \_vVUWLGUZG]INGV)\_DFALHL V5L, SZL XSXMP

sVFP5LP58, f

GRJ; 8 hMGqVFP8LPVF. PqGR

TFZLBov v vZ\_! \*P

V5I, 8 VFO; Z VG[

VF; LPDI]GPSIDxGZs5IzD hFgVZFNZf

; JT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICTL VIWSFZL VG[ VF; LP SIDxGZsHDLG ID<ST IJEFUF sJ; 8 hMGf HF6 ; FZ]

SZf zL 5|XFT zM04 VS G1 F EFZT4

s#f TMIGL V5L, VZHL VU[p5ZGL IJUT]GFCSD wJFZP SZJFDR VFJ, IGSF, ; AA HF6 ; F~P



OLPVFZPUMIC,  
V|5|, 8 V|0|; Z VG|  
SFI 5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FC|A NJZ; ZM04 TFOJFOL4  
gI ] ZFNZ ZM04; |ZT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP! \*qZ\_! \*  
TPZ5v\_5vZ\_! \*

VZHNZ ovzL VIG, EF. NfpNEF. J6SZ  
; FDFJF/F ovHFCZ DFICTL VIWSZL VG[0%]8L . HGZv V|GP5LPXFC sXCZ IJSF; fsJ: 8 hMGf  
OZL FNGL CSLST ov

IJOFI ov VZHNZGL J: 8 hMG VF. POLP GR \*! 4 TPZ5q\_\$qZ\_! \* GL VZHLYL %, MB GR  
Z\$#vZ\$\$ GJ; HG ICgNL 5F9XF/F VU[D]F GR ! YL \* GL DFICTL AFATP

; NEbv VZHNZGL TPZ5q\_5qZ\_! \* YL V5L, GRSMC/WZ/FAP! \*/Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZNST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNZGL TPZ5q\_\$qZ\_! \* GF ZMH %, MB GR  
Z\$#vZ\$\$ GJ; HG ICgNL 5F9XF/F S06 SH ; M; FI 8L4 XZL GR ! ! 4 5F, G5Z HSFTGSF VU[GL D]F GR ! YL \*  
VU[GL DFICTL DFUTL V+GF ZFNZ hMG BFT[SZJFDA\VFJ], P

VZHNZGL ; NZ VZHL AFAT[ HFCZ DFICTL VIWSZL TZOYL SM. DFICTL VF5L GYI4 VD H6FJL TPZ5q\_5qZ\_! \* GF ZMH V5L, ; ZF1WSZL G[ ; XAWTL 5YD VZHL ZFNZ hMG G[SZJFDA\VFJ], 4 V5L, NZdI FG HFCZ DFICTL  
VIWSZL TZOYL VZHNZG[ 5+ GR J: 8 hMG qVFZP8LPVF. P; [ q#5! 4 TP ! )q\_&qZ\_! \* YL DFICTL 5ZL 5F0JFDA\VFJ, Kp  
VFD VZHNZG[DFICTL 5ZL 50FI U. CMI V5L, VZHL VU[SM. IJXPF SFDULZL SZJFGL ZCITL GYI4  
CSD

VZHNZGL TPZ5q\_\$qZ\_! \* GL VZHLYL DFUJFDA\VFJ, DFICTL HFCZ DFICTL VIWSZL TZOYL 5ZL 5F0JFDA\VFJ,  
CMI 4 V5L, VZHL VU[SM. SFI "JFCL SZJFGL ZCITL G CMI 4 V5L, VZHL GMIGSF, SZJFDA\VFJ[Kp

sOLPVFZPUMIC, f  
V|5|, 8 V|0|; Z VG|  
SFI 5F, S . HGZs5IZD hFGvZFNZf  
; |ZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSZL VG[0%]8L . HGZv V|GP5LPXFC s5I` RDhMGfsXCZ IJSF; IJEFUFPHF6 DF8|  
sZf DNPHFCZ DFICTL VIWSZL VF; IP. HGZs5I` RD hMGvZFNZf sXCZ IJSF;  
IJEFUFHF6 DF8|  
s#f zL VIG, EF. NfpNEF. J6SZ4



VFZP5LP58[  
V|5|, |8 VMOl; Z VG|  
VF; LPdI ]GPSIDxGZ



; ]ZT DCFGUZ5FI, SF  
5|ÜD hMG sZFN[Zf  
OFPAF, F; FC|A NJZ; ZM04  
TFOJFOL4  
gI ]ZFN[Z ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\*( &! (! v(Zv( #

V5L, VZHL GP**SMC/WZ/FAP/GP!** ( qZ\_! \*  
TFPZ) v\_5vZ\_! \*

VZHNFZ ovzL 5ZDFZ V~6EF. V|DP

; FDFJF/F ov HFCZ DFICTL VIWSFZL sHDLG ID<ST IJEFUF sJ: 8 hMGf  
OZL I FNGL CSLST ov

IJQFI ov VZHNFZGL J: 8 hMG VF. POLP GR Z#4 TFP ! \_q\_\$qZ\_! \* s; 87 hMGGL VF. POLP GR Z! 4  
TFP \_q\_\$qZ\_! \* f GL VZHLYL ; ]ZT XCZDFAVFJ, F SMI ]GL8L CM, GL D]F GR ! YL ( GL  
DFICTL AFATP  
; NEbv VZHNFZGL TFPZ) q\_5qZ\_! \* YL V5L, GR**SMC/WZ/FAP/!** (/Z\_! \*v! ( GL 5|YD V5L, AFATP

p5ZMST IJQFI VG|; NE"AFAT[H6FJJFG]S[VZHNFZ]TFP \_q\_\$qZ\_! \* GL VZHLYL ; ]ZT  
XCZDFAVFJ, SMI ]GL8L CM, GL D]F GR ! YL ( VU|GL DFICTL DFUTL VZHL ; 87 hMG ; LJS ; 8Z BFT[  
TFP \_q\_\$qZ\_! \* GF ZMH SZJDFAVFJ, 4 H| ; LP; LP; LP hPqVFZP8LPVF. qVFp8J0" GR Z! 4 TFP  
\_q\_\$qZ\_! \* GF ZMH TDFD hMG TYF ~: TD5ZF SMI ]GL8L CM, ; 87 hMG BFT[TANL, SZJDFAVFJ, P H|  
V+GF hMGG[TFP ! \_q\_\$qZ\_! \* GF ZMH D/| P ; NZC] VZHL VU[VZHL ZH]S|FGF #\_ INJ; GL VNZ SM.  
IG6| D/| GYLP T|H6FJL VF; LP SIDxGZL G|; AMWTL 5|YD V5L, ; 87 hMG BFT[SZJDFAVFJ, 4 H|  
; LP; LP; LP hPqVFp8J0" GR ! \_ (4 TFP Z\$q\_5qZ\_! \* GF ZMH V+GF hMG G| TANL, SZJDFAVFJ, 4 H|  
Z) q\_5qZ\_! \* GF ZMH V+GF hMGG[D/| 4 HGF VG] WFG[H6FJJFG]S[V5L, TASS[HFCZ DFICTL VIWSFZL  
VG|RLO; GBZL . g: 5|8Z EFZF 5+ GR J: 8 hMGqVFZP8LPVF. P; , qVFp8 GR #) \_4 TF Z(q\_&qZ\_! \* TYF 5+  
GR #&! 4 TFP Z\_q\_&qZ\_! \* GF ; NE[HFCZ DFICTL VIWSFZL HDLG ID<ST IJEFU EFZF 5+ GR J: 8 hMGq  
VFZP8LPVF. P; , qVFp8 GR \$Z#4 TFP\_5q\_\*qZ\_! \* GF ZMH CSLST , 1FL DFICTL 5|ZL 5F0JFDFAVFJ, CMI 4  
VZHNFZGL V5L, VU[SM. IJXDF SFI "JFCL SZJFGL ZC|TL G CMI P

CJSD

VZHNFZGL TFP \_q\_\$qZ\_! \* GL VZHL YL DFUJFDFAVFJ, DFICTL VZHNFZG[V+GF hMG  
TZ0YL 5|ZL 5F0JFDFAVFJ, CMI 4 V5L, VZHL VU[SM. SFI "JFCL SZJFGL ZC|TL G CMI 4 V5L, VZHLGM  
IGSF, SZJDFAVFJ[KP

VF5 p5ZGF IG6| YL GFZF H YI|, CMI 4TM UHZFT DFICTL VF1 MU4 SD| MUL EJG4 a, MS GR! 4  
ALHMDF/4 IGDF6EJGGI 5FK/4 ; 8Zv! \_vVHFWLGUZG[INGv) \_DFALHL V5L, SZL XSXMP

sVFZP5LP58, f  
V|5|, B VF|0; Z VG|  
VF; LPdI ]GPSIDxGZs5|ZD hFGrZFN[Zf  
; ]ZT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICTL VIWSFZL sHDLG ID<ST IJEFUF sJ: 8 hMGf HF6 ; FZ]

sZf zL 5ZDFZ V~6EF. V|DP

s#f TMGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJZF SZJDFAVFJ, IGSF, ; AA HF6 ; F~P



OLPVFZPUMIC,  
V5I, 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPAF, F; FC[A N[JZ; ZM04  
TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_\_\_ )P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP!) qZ\_! \*  
TFP#! v\_5vZ\_! \*

VZHNFZ ovzL EFiJS JH, F, 58[  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZv V|GP5LPXFC sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov

IJOFI ov VZHNFZGL J: 8 hMG VF. POLP GR &\$4 TFP Z! q\$\_qZ\_! \* GL VZHLYL SM. 56  
ID<ST HGL DFI, SL A[j i ISTGL CMI T|ID<STDRA[DFI, SM 5\$L SM. 56 VS  
DFI, S ALHF DFI, SGL ; DIT IJGF IAG VIWST AFWSFDG|VIWST SZJF DF8[  
s. d5\$8f VZHL SZL XS[S|SD HJF D;f GR ! YL & AFATP  
; NEbv VZHNFZGL TFP#! q\_5qZ\_! \* YL V5L, GRSMC/WZ/FAP/!) /Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZNST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL TFP Z! q\$\_qZ\_! \* GL VZHLYL SM. 56 ID<ST S[  
HGL DFI, SL A[j i IST GL CMI T|ID<STDRA[DFI, SM 5\$L SM. 56 VS DFI, S FFZF ALHF DFI, SGL ; DIT JUZ . d5\$8 OL DF8[  
VZHL SZL XS[S|SD TGL HJF D;f GR ! YL & GL DFICTL DFUTL VZHL V+GF J: 8 hMG BFT[SZJFDAVFJ, P

VZHNFZGL ; NZ VZHL AFAT[HFCZ DFICTL VIWSFZL TZOYL DFICTL G D/TF VZHNFZ[TFP #! q\_5qZ\_! \* GF  
ZMH SFI '5F, S . HGZ VG[V5L, VIWSFZL G[ZFNZ hMGG[VZHL ZH]SI FGF \$ \_ INJ; JW; DI AFN HJFA D/[ GYL P TJ]  
H6FJL 5YD V5L, VZHL SZJFDAVFJ, P HFCZ DFICTL VIWSFZL TZOYL VZHNFZG[V5L, TASS[56 DFICTL 5ZL 5f0[, GYL  
P TYL VZHNFZG[VFJL DFICTL IJGF D;I [5ZL 5f0JFGL ZCP

CJSD

VZHNFZGL TFPZ! q\$\_qZ\_! \* GL VZHLYL DFUJFDAVFJ, DFICTL HFCZ DFICTL VIWSFZL TZOYL 5ZL 5f0JFDA  
VFJ, G CMI P VFZP8LPVF. V\$8GL S, D \*s&f C9/ IJGF D;I [ ING v\* DA5ZL 5f0JF HFCZ DFICTL VIWSFZL G[H6FJJFDA  
VFJ[KP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov V vZ\_! \*P  
sOPVZPUMIC, f  
V5I, 8 VFI; Z VG[  
SFI '5F, S . HGZs5IZD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZv V|GP5LPXFC s5I RDhMGfsXCZ IJSF; IJEFUFPPPH6 TYF  
VD, DF8P  
sZf DNNPHFCZ DFICTL VIWSFZL VF; IP. HGZzL VG[H]. HGZs5I` RD hMGvZFNZf sXCZ IJSF;  
IJEFUFPPPH6 TYF VD, DF8P  
s#f zl EFiJS JH, F, 58[ 4



OLPVFZPUMIC,  
V[5], [8] VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPAF, F; FC[A N[JZ; ZM04  
TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GPZ\_qZ\_! \*  
TFP\_! v\_&vZ\_! \*

VZHNFZ ovzL G, [GLA[G KM8]EF. EUT  
; FDFJF/F ovHFC[Z DFICTL VIWSFZL VG[0%I]BL . HGZv ICDT ALP, ldAF; LI FsXC[Z IJSF; fsJ: 8  
hMGf  
OZLI FNGL CSLST ov

IJQFI ov VZHNFZGL J: 8 hMG VF. POLP GR \$#4 TFP ! 5q\$\_qZ\_! \* sDWI : Y SRZL VF. POLP  
GR ! 4 TFP ! Zq\$\_qZ\_! \* fGL VZHLYL UHZFT XCZL IJSF; S5GLGL I, DL8p4  
UFWLGUZGF 5+ SDFPS HPP GR HLI DL; qUOF V5L, GR \$\$)qZ\_! &q\$(5)4 TFP  
\_5q\_(qZ\_! & GF 5+ VgJI [SM. 56 SFI "JFCL SZJFDFVFEJ, CMI TM TGL GS,  
AFATI

; NE'bV VZHNFZGL TFP\_! q\_&qZ\_! \* YL V5L, GRSMC/WZ/FAP/Z/\_Z\_! \*v! ( GL 5YD V5L, AFATP  
p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL TF! Zq\$\_qZ\_! \* GL VZHLYL UHZFT XCZL IJSF;  
S5GLGL I, DL8p4 UFWLGUZGF 5+ SDFPS HPP GR HLI DL; qUOF V5L, GR \$\$)qZ\_! &q\$(5)4 TFP \_5q\_(qZ\_! & GF 5+  
VgJI [SM. 56 SFI "JFCL SZJFDFVFEJ, CMI TM 5+GL GS, DFUTL VZHL DWI : Y SRZL BFT[SZJFDFVFEJ, 4 H[V+GF hMGG  
5+ GR ; qVFP8LPVF. q! ! 4 TFP ! Zq\$\_qZ\_! \* GF ZMH TANL, SZJFDFVFEJ, 4 H[V+GF hMGG(TFP ! 5q\$\_qZ\_! \* GF ZMH  
D/, P  
VZHNFZ[TDGL TFP #! q\_5qZ\_! \* GL 5YD V5L, dIP SIDxGZZL V5L, VIWSFZL ; PDP5PG[; \AMWTL VZHL  
DWI : Y SRZL BFT[SZJFDFVFEJ, 4 H[5+ GR ; qVDPV5q\_)4 TFP #! q\_5qZ\_! \* YL V+GF IJEFUG[V5L, VZHL TANL,  
SZJFDFVFEJ, P VZHNFZ[VZHL ZH]S1 FGF #\_INJ; GL VNZ SM. IG6I D/I MGYIP T[JH6FJL 5YD V5L, SZJFDFVFEJ, P  
V5L, NZdI FG HFC[Z DFICTL VIWSFZL TZOYL 5+ GR J: 8 hMG GRq \$\_# 4 TFP #\_q\_&qZ\_! \* VZHNFZG[DFICTL  
5ZL 5F0JFDFVFEJ, Kp VFD VZHNFZG[DFICTL 5ZL 50FI U. CMI 4 V5L, VZHL VU[SM. IJXp SFI "JFCL SZJFGL ZCITL GYIP  
CJSD

VZHNFZGL TFP! Zq\$\_qZ\_! \* GL VZHLYL DFUJFDFVFEJ, DFICTL HFC[Z DFICTL VIWSFZL TZOYL 5ZL 5F0JFDF  
VFEJ, CMI 4 V5L, VZHL VU[SM. IJXp SFI "JFCL SZJFGL ZCITL G CMI 4 V5L, VZHL GMIGSF, SZJFDFVFEJ[Kp  
VF5 p5ZGF IG6I YL GFZFH YI[, CMI 4TM UHZFT DFICTL VFIMU4 SDIMUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGI 5FK/4 ; S8Zv! \_vV#UFWLGUZG(INGV)\_DFALHL V5L, SZL XSXMP

sOLPVFZPUMIC, f  
V[5] [8] VFI0; Z VG[  
SFI '5F, S . HGZs5IZD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! f HFC[Z DFICTL VIWSFZL VG[0%I]BL . HGZv ICDT ALP, ldAF; LI Fs5I` RDhMGfsXC[Z IJSF;  
IJEFUfPPPHE6 DF8[

sZf DNNPHFC[Z DFICTL VIWSFZL VF; IP. HGZs5I` RD hMGvZFNZf sXC[Z IJSF;  
IJEFUfHF6 DF8[

s#f zL G, [GLA[G KM8]EF. EUT4



VFPZP5LP58[  
V5I, 8 VMOL; Z VG[  
VF; LPDI]GPSIDxGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FCIA NJZ; ZM04 TFOJFOL4  
gI]ZFNZ ZM04; JT v #)5 \_\_)P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GPZZ qZ\_! \*  
TP! #v\_&vZ\_! \*

VZHNZ ovzL ; JXEF. KUGEF. RM8, LIF  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[ VFSZ6L VG[JZFJ; ], FT VIWSFZL sVFSZ6L IJEFUF  
J: 8 hMG

OZLI FNGL CSLST ov

IJQFI ov VZHNZGL J: 8 hMG VF. POLP GR ! ) \$4 TP! #q\_&qZ\_! \* sGMY" hMG VF. POLP GR (\*4  
TP \_\$q\_5qZ\_! \* GL VZHLYL 8GFD8 GR ) \$V\\$/#v\*&55v\_v\_\_! GF GFD0Z  
VUJGL DFICTL AFATP  
; NEbv VZHNZGL TP! #q\_&qZ\_! \* YL V5L, GPSMC/WZ/FAP/ZZ/Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNZ[ TP \_\$q\_5qZ\_! \* GF ZMH 8GFD8 GAZ  
) \$V\\$/#v\*&55v\_v\_\_! GF GFD8f; OZ DF8[N:TFJH GS, GL H~Z CMI TM TGL HLPVZ GS, VF5JF4 VZHNZ FFZ  
VFSZ6L NOTZ[VZHL S1FAFN SB, F; DI DFVGFDOZ VZHLGMIGSF, VFSZ6L VIWSFZLV[SZJFGM CMI Kp HJL DFICTL DFUTL  
VZHL GMY" hMG BFT[SZJFDA VFJ, 4 H[ V+GF hMG GMY" hMG qVfp8J0" GR qZ (\$4 TP! Zq\_&qZ\_! \* GF ZMH TANL,  
SZJFDA VFJ, 4 H[ TP! #q\_&qZ\_! \* GF ZMH ZFNZ hMG[VZHL D/, 4 H[GF VG] WFG[ HFCZ DFICTL VIWSFZL TZOYL J: 8 hMG  
VFZP8LPVF. P; [ q#\$\_4 TP! #q\_&qZ\_! \* GF ZMH IGIT ; DI VJWDFGF6AEZL DFICTL D/JF 5; T[ SZ], 4 VZHNZ FFZ  
GF6F EZL DFICTL D/J, GYL  
VZHNZ FFZ TP \_\*q\_&qZ\_! \* GF ZMH dIP SIDxGZ zL G[; AMWTI 5YD V5L, DWI :Y SRZL BFT[SZJFDA  
VFJ, 4 H[ TP! #q\_&qZ\_! \* GF ZMH ZFNZ hMG[VZHL D/, 4 VZHNZ[ VFHING ; JWL SM. DFICTL S[ HJFA VF5JFDA VFJ, GYL  
PVJH6FJL 5YD V5L, VZHL SZ], Kp HGF VG] WFG[ H6FJJFG] S[ TP \_\$q\_5qZ\_! \* GF ZMH VZHL V+GF hMG[ TP  
! #q\_&qZ\_! \* GF ZMH V8, [S[VZHL ZH]S1FGF VNHFHT #) INJ; AFN D/, Kp 5JTDGF SFI NFGL HMUJF. G[ VFWLG IGIT  
; DI DI FNFDATANL, SZJFDA VFJ, G CMI 4 V+YL VZHL D/I FGF ING v# DFH VZHNZG[HJFA 5F9J], Kp VZHNZGL  
VZHL VU[V+GF hMG TZOYL IGIT ; DI DI FNFDAT[ 5F9JJFDA VFJ, Kp

CSD

VZHNZGL TP \_\$q\_5qZ\_! \* GL VZHLYL DFUJFDA VFJ, CSLST, 1FL DFICTL IGIT ; DI DAVZHNZG[5J  
5F0JFDA VFJ, CMI 4 V5L, VZHLGMIGSF, SZJFDA VFJ[Kp

VF5 p5ZGF IG6I YL GFZH YI, CMI 4TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGI 5FK/4 ; §8Zv! \_vV#UFWLGUZG(INGV) \_DFALHL V5L, SZL XSXMP

sVFPZP5LP58[ f

GRJ: 8 hMG|VFZP8LPVF. PqGR

V5I, 8 VFO; Z VG[

TFZLB0 v vZ\_! \*P

VF; LPDI]GPSIDxGZs5IZD hFGvZFNZf

; JT DCFGUZ5FI, SF

5JT4

s! f HFCZ DFICTL VIWSFZL VG[ VFSZ6L VIWSFZL sVFSZ6L IJEFUFsJ: 8 hMGf HF6 ; FZ]

sZf zL ; JXEF. KUGEF. RM8, LIF

s#f TMVGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJFZFSZJFDA VFJ, IGSF, ; AA HF6 ; F~P



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFN[Zf  
OPAF, F; FC[A N[JZ; ZM04  
TFOJFOL4  
gI ]ZFN[Z ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP Z#qZ\_! \*  
TFPZ! v\_&vZ\_! \*

VZHNFZ ovzL WD[X V|R P ; M5FZLJF, F  
; FDFJF/F ovHFC[Z DFICTL VIWSFZL VG[ 0%I ]BL . HGZv V|R P ALP, LDAF; LI Fs5F6L IJEFU f  
sJ[.8 hMGf  
OZLI FNGL CSLST ov  
IJQFI ov J[.8 hMG VF. POLP GR ! #&4 TFP ! (q\_5qZ\_! \* GL VZHLYL J[.8 hMGDFV SB, L  
SMDXL", Hui FV[5F6LGF DL8Z z| XEF. GF VFj| F AFN D\$JFDFVfj| F VG[ SB, L Hui FV[AFSL Kp HJL D]f  
GR & YL ( AFATP  
; NEbvVZHNFZGL TFPZ! q\_&qZ\_! \* YL V5L, GRSMC/WZ/FAP/Z#/Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE"AFAT[ H6FJJFG]S[ VZHNFZGL TF! (q\_5qZ\_! \* GL VZHLYL  
J[.8 hMGDFV SB, L SMDXL", Hui FV[5F6LGF DL8Z z| XEF. GF VFj| F AFN D\$JFDFVfj| F VG[ SB, L  
Hui FV[AFSL Kp HJL D]f GR & YL ( VUGL DFICTL DFUTL VZHL V+GF J[.8 hMG BFT[SZJFDFVfj| 4 HGF  
VG[ WFG[ HFC[Z DFICTL VIWSFZL VG[ 0%I ]BL . HGZ TZ0YL 5+GR J[.8 hMGqVFZP8LPVF. P; , q Z&(4 TFP  
Z\$q\_5qZ\_! \* GF ZMH IGI T ; DI VJIWDFD]f GR & TYF ( GL CSLST, 1FL DFICTL 5ZL 5F0JFDFVfj| 4  
H1FZ[D]f GR \* VU[GF6F EZL DFICTL D/JJF 5|TFJ SZ| 4 VZHNFZ FFZF GF6F EZ| G CMI 4 TYL DFICTL  
V5L XSFI GCLP

VZHNFZ GL TFP Z! q\_&qZ\_! \* GF ZMH VZHL ZH]S| FGF #\_ INJ; GL VNZ SM. DFICTL  
D/L GYL TJ] H6FJL 5YD V5L, J[.8 hMG BFT[ZH]SZ| 4 5ZT] VZHNFZG[HFC[Z DFICTL VIWSFZLV[IGI T  
; DI VJIWDFD DFICTL 5ZL 5F0F CMI 4 VZHNFZGL 5|TZ G D/I FGL ZHMFT VU[TGL 5G0 GS, 5ZL  
5F0JFGL ZC[KP

CSD

VZHNFZGL TFP! (q\_5qZ\_! \* GL VZHLYL DFUJFDFVfj| DFICTL AFAT[ HFC[Z DFICTL  
VIWSFZL TZ0YL VFp8J0"GR Z&(4 TFP Z\$q\_5qZ\_! \* GF ZMH IGI T ; DI VJIWDFD]f TZ G D/I FGL ZHMFT VU[TGL 5G0 GS, 5ZL  
5F0JFGL ZC[KP  
V5 p5ZGF IG6"YL GFZFH YI|, CMI 4TM UHZFT DFICTL VFIMU4 SDI MUL EJG4 a, MS GR! 4  
ALHMDF/4 IGDF6EJGGL 5FK/4 ; \$8Zv! \_vVUFWLGUZG(INGV)\_DFALHL V5L, SZL XSXMP

GRJ[.8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5], 8 VFIO; Z VG[  
SFI '5F, S . HGZs5IZD hFgvZFN[Zf  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! f HFC[Z DFICTL VIWSFZL VG[ 0%I ]BL . HGZvICDT ALP, LDAF; LI Fs5F6L RDhMGf s5F6L IJEFUfPPPHF6  
TYF VD, DF8|  
sZf DNNPHFC[Z DFICTL VIWSFZL VF; IP. HGZs5I RD hMGvZFN[Zf s5F6L IJEFUfHF6  
TYF VD, DF8|  
s#f zL WD[X V|R P ; M5FZLJF, F4



VFZP5LP58[  
V|5[, |8 VMOL; Z VG[  
VF; LPDI ]GPSIDxGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG SZFN[ZF  
OFPAF, F; FCIA NJUZ; ZM04  
TF0JFOL4  
gI ]ZFN[Z ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL PSMC/WZ/FAP/GPZ#qZ\_! \*  
TFPZ! v\_&vZ\_! \*

VZHNFZ ovzL WDIX V|RP ; M5FZLJF, F  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[5; MG[, VMIO; ZsD[CSD IJEFU sJ:8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov J:8 hMG VF. POLP GR ! #&4 TFP ! (q\_5qZ\_! \* GL VZHLYL z|| XEF. XFC  
S. TFZLBYL SM5MZGXGDF GMSZLDF CFHZ YIF TYF SIF hMGDF S. S. 5M:8 5Z 0ZH  
VFHING ; ]WL AHFJL4 H[JL D]F GR ! YL 5 VUGL DFICTL AFATP  
; NEbv VZHNFZGL TFPZ! q\_&qZ\_! \* YL V5L, GRSMC/WZ/FAP/Z#/Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE"AFAT[ H6FJJFG]S[ VZHNFZGL TF! (q\_5qZ\_! \* GL VZHLYL  
z|| XEF. XFC S. TFZLBYL SM5MZGXGDF GMSZLDF CFHZ YIF TYF SIF hMGDF S. S. 5M:8 5Z 0ZH  
VFHING ; ]WL AHFJL4 H[JL D]F GR ! YL 5 VUGL DFICTL DFUTL VZHL V+GF J:8 hMG BFT[ SZJFDF VEF[ 4 HGF  
VG[ WFG[ HFCZ DFICTL VIWSFZL TZOYL 5+GR J:8 hMGqVZP8LPVF. P; [ q #\$4 TFP ! \*q\_&qZ\_! \* GF  
ZMH IGIT ; DI VJIWDFD]F GR! YL 5 GL CSLST, 1FL DFICTL 5ZL 5F0JFDF VEF[ 4

VZHNFZ GL TFP Z! q\_&qZ\_! \* GF ZMH VZHL ZH]SIFGF #\_ INJ; GL VNZ SM. DFICTL  
D/L GYL T[J H6FJL 5YD V5L, J:8 hMG BFT[ ZH]SZ[ 4 5ZT] VZHNFZG[ HFCZ DFICTL VIWSFZL TZOYL  
IGIT ; DI VJIWDF5t1TZ 5F9JJFDF VEF[ 4 VZHNFZG[ 5t1TZ G D/I FGL ZH]VFT VU[ TGL 5G0 GS,  
5ZL 5F0JFGL ZC[KP

C]SD

VZHNFZGL TFP! (q\_5qZ\_! \* GL VZHLYL DFUJFDF VEF[ DFICTL AFAT[ HFCZ DFICTL  
VIWSFZL TZOYL IGIT ; DI VJIWDF5t1TZ 5F9JJFDF VEF[ KPK HYL VZHNFZG[ TGL 5G0 GS, 5ZL 5F0JF  
HFCZ DFICTL VIWSFZL G[ H6FJJFDF VEF[ KPK

VF5 p5ZGF IG6! YL GFZF H YI[ CMI 4TMUHZFT DFICTL VFI MU4 SD" MUL EJG4 a, MS GR! 4  
ALHMDF/4 IGDF6EJGGL 5FK/4 ; \$8Zv! \_vVUFWLGUZG[INGv)\_DFALHL V5L, SZL XSXMP

sVFZP5LP58[ f

GRJ:8 hMGqVZP8LPVF. PqGR  
TFZLB0 v vZ\_! \*P

V|5[, B VF|0; Z VG[  
VF; LPDI ]GPSIDxGZs5IZD hFGVZFN[ZF  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[5; MG[, VMIO; Z sD[CSD IJEFUfPPPHF6 TYF VD, DF8[  
sZf zL WDIX V|RP ; M5FZLJF, F4



VFZP5LP58,  
V[5, 8 VMOL; Z VG  
VF; LPDI ]GPSIDxGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFN[Zf  
OFPAF, F; FCJA NJZ; ZM04  
TFOJFOL4  
gI ]ZFN[Z ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\* (&! (! v(Zv( #

V5L, VZHL GPSMC/WZ/FAP/GPZ5 qZ\_! \*  
TFPZ(v\_&vZ\_! \*

VZHNFZ ovzL I5S, 5LPWLJ/F

; FDFJF/F ovHFCZ DFICTL VIWSFZL VGVFSZ6L VG[ J[ZFJ; ], FT VIWSFZL sVFSZ6L IJEFUF  
J[8 hMG

OZLI FNGL CSLST ov

IJQFI ovVZHNFZGL J[8 hMG VF. POLP GR ! \$4 TFP\_&q\_\$qZ\_! \* GL VZHLYL  
; ]ZDCFGUZ5FI, SFCNIJ:TTZ DFVFE, F Bk, F%, M8 GL VFSZ6L BFTF GLIJUT H[JL D]F  
GR! YL\$ GL DFICTLAFAAT  
; NEbvVZHNFZGLTFPZ(q\_&q! \*GL YL V5L, GRSMC/WZ/FAP/Z5/Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG} S[ VZHNFZ] TFP \_&q\_\$q! \* YL  
; ]ZDCFGUZ5FI, SFCNIJ:TFZ DFVFE, F Bk, F%, M8 GL VFSZ6L BFTF GLIJUT 4; ]ZDCFGUZ5FI, SF wJZF  
OB5FYAGFJJF5FK/ YTFBR" GLIJUT4; ]ZDCFGUZ5FI, SF wJZF AGFJJF DFVFE, A:8M5 GF 8b0ZGL  
GS, 4; ]ZDCFGUZ5FI, SF wJZF TMQJF DFVFE, A:8M5GL IJUT DFUTL VZHL V+GF J[8 hMG BFT  
SZJFDFVFE, 4 HGF VG}; WFG[ V+[ GF J[8hMG TZ0 5+ GR J[8 hMGq VFZP8LPVF. P; [ q! \$4 TFP  
\_\*q\_\$qZ\_! \* YL HFCZ DFICTL VIWSFZL VG[ 0%I BL. HGZ VG[ 0%I BL. HGZ TDFD hMG4 HFCZ DFICTL  
VIWSFZL VG[ 0%I BL. HGZALVFZP8LPVF; 5MH\$8 HFCZ DFICTL VIWSFZL VG[  
VFSZ6LVGJ[ZFJ; ], FTVIWSFZLTDFT hMGG[ TANL, SZJFDFVFE, HIFZ[ V+[GF J[8hMG HFCZ DFICTL  
VIWSFZL VG[ VFSZ6LVGJ[ZFJ; ], FTVIWSFZL wJZF IGIT ; DI VJIWDFV 5+ GR J[8 hMGq  
VFZP8LPVF. P; [ q! #4 TFP Z! q\_\$qZ\_! \* YL IGIT ; DI VJIWDFVGF6AEZL DFICTL D/JF 5; TFJ SZ[ 4  
HGF VG}; WFG[VZHNFZ]GF6AEZL DFICTL D/JF, GYLP

VZHNFZ TFPZ(q\_&qZ\_! \* GFZMH ; PDPGPGBM%I BZ; JZ VS CMJFKT V, UV, U GF6F EZ5F. SZJF  
H6FJ, Kp JWDFVZFNhMG4 ; b8\_ hMG 4I, AFITHMG I; JFI SM. GF6F EZ5F. SZJFH6FJ, GYL T[JH6FJL  
5YD V5L, J[8hMG BFT[SZJFDFVFE, P5ZT]; PDPGPBhMG5YF VD, LYI FAFN hMGFFG SFI UCP/ GL ID<STM  
DF8[ H[T hMG SÜFV[ SFDULZLYTLCMI VgI hMGGLDFICTL p5<AW GCMI DFwI FDHAGLDFICTL  
H[T JEFUBFTYL IGI DFG} FZ OLEZ5F. SZL D/JF GLZC[Kp VFD VZHNFZGL ; NZ V5L, AFAT[ SM.  
SFI "JFCL SZJFGL ZC[JL GYL4 TD KTFVZHNFZ . rK\$ CMI TM; NZ DFICTL GL ; LPOLP HFCZ DFICTL VIWSFZLG  
5; TFJ VG}; FZ D/JL XS[Kp

CSD

VZHNFZGL TFP \_&q\_ \$qZ\_! \* GL VZHLYL DFUJFDF VFJ, DFICTL HFCZ DFICTL VIWSFZL VG[VFSZ6LVGJZF; ], FTVIWSFZL WJFZF VZHNFZG[IGIT ; DI VJIWDA5ZL 5F0JFDF VFJ, Kp TD KTA VZHNFZG[; NZ DFICTLGL H~Z CMI TMGF6FVEZL DFICTL D/VJJF : JT+ Kp

VF5 p5ZGF IG6YL GFZFH YI, CMI 4TM UHZFT DFICTL VFIMU4 SDMUL EJG4 a, MS GR! 4 ALHM DF/4 IGDF6 EJGGL 5FK/4 ; §8Zv! \_vVHFUFWLGUZG[INGv) \_DF\ALHL V5L, SZL XSXMP

sVFZP5LP58, f

GRJ:8 hMGqVFZP8LPVF. PqGR

VB, B VF|0; Z VG[

TFZLB0 v vZ\_! \*p

VF; |PdI ]GPSIDxGZs5IZD hFGvZNZf ; JT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICTL VIWSFZL VG[VFSZ6LVGJZF; ], FTVIWSFZL sVFSZ6L IJEFUfsJ:8 hMGf HF6 ; FZ] S7f zl I5\$, 5pk, RE 3LJF/F4sT+L ; DFWFG gI hf4



OLPVFZPUMIC,  
V5|, |8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPAF, F; FC[A NÜZ; ZM04  
TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GPZ\*qZ\_! \*  
TFP\_#v\_\*vZ\_! \*

VZHNFZ ovZL X[B . SAF, D]XLZ

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZv V[G5LPXFC sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov VZHNFZGL J: 8 hMG VF. POLP GR ! \_ \$ (4 TFP Z\*q\_ZqZ\_! \* GL VZHLYL 8LP5LP  
#\_ ZFNZ4 VDP5LP ! \$&4 ; A %, MB GR &! DFYI[, DHZ %, FG IJ~WWG]AFWSFD  
UOF V\$8 vZ\_! ! DHA I ]GL8 &! GF DF, S[H[N:TEJHL 5ZJF VZHL ; FY[  
HMO[, K[T]NZ§ 5+GL GS, AFATP  
; NEbv VZHNFZGL TFP\_#q\_\*qZ\_! \* YL V5L, GRSMC/WZ/FAP/Z\*/Z\_! \*v! (   
GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG]S[ VZHNFZGL TFP Z\*q\_ZqZ\_! \* GFVZHLYL  
8LP5LP #\_ ZFNZ4 VDP5LP ! \$&4 ; A %, MB GR &! DFYI[, DHZ %, FG IJ~WWG]AFWSFD UOF V\$8 vZ\_! !  
DHA I ]GL8 &! GF DF, S[H[N:TEJHL 5ZJF VZHL ; FY[ HMO[, K[T]NZ§ 5+GL GS, GL DFICTL DFUTL  
VZHL J: 8 hMG BFT[ SZJFDFVFEJ[, SZJFDFVFEJ[, 4 HGF VG]; WFG[ HFCZ DFICTL VIWSFZL TZ0YL 5+ GR  
J: 8 hMGq VFZP8LPVF. P; ] q ! () \_4 TFP ZZq\_\*qZ\_! \* YL IGIT ; DI VJIWDF\p5ZMST IJQFI DF\H6FJ[  
AFAT[ VZHNFZ[ DFU[, DFICTL +FICT jI ISTGL ID<ST ; AIWT Kp HYL VFZP8LPVF. V\$8v Z\_\_5 GF  
IGI DFG]; FZ S, Dv ! ! GL SFI "JFCL SZJFDFVFEJ[, Kp H[ VgJI[ ID<STNFZ[ TFP #\_q\_\*qZ\_! \* GF 5+ YL  
5MTFGL ID<STGL DFICTL VF5JF. gSFZ SZ[, Kp

VZHNFZ[ TFP \_#q\_\*qZ\_! \* GF ZMH 5YD V5L, ; zVIWSFZL zL G[; AIWTL 5YD V5L,  
ZFNZ hMG BFT[ SZJFDFVFEJ[, 4 HDFVZHNFZ[IGIN08 ; DI UF/FDAD/[, F 5ZJFJYL GFZFH Y. 5YD V5L,  
SZ[, 4 5ZT] V+GF J: 8 hMG HFCZ DFICTL VIWSFZL TZ0YL VZHNFZG[ DFICTL 5ZL 5F0JFDFVFEJ[, Kp HYL  
V5L, VZHL VU[SM. SFI "JFCL SZJFGL ZC[TL G CMI 4 V5L, VZHL GM  
IGSF, SZJFDFVFEJ[Kp

VF5 p5ZGF IG6! YL GFZFH YI[, CMI 4TM UHZFT DFICTL VF1 MU4 SD! MUL EJG4 a, MS GR! 4  
ALHMDF/4 IGDF6EJGGI 5FK/4 ; \$8Zv! \_vVUFWLGUZG(INGV)\_DFVHL V5L, SZL XSXMP

GRJ: 8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[0%I BL . HGZv V[G5LPXFC s5I` RDhMGfsXCZ IJSF; IJEFUFPPPHF6 DF8[  
sZf DNNPHFCZ DFICTL VIWSFZL VF; IP. HGZL VG[Hp. HGZs5I` RD hMGvZFNZf sXCZ IJSF;  
IJEFUFHF6 DF8[  
s#f zL X[B . SAF, D]XLZ4

SOLPVFZPUMIC, f  
V5|, |8 VFIO; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SF



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZFN[Zf  
OPPAF, F; FC|A N|JZ; ZM04  
TFOJFOL4  
gI ] ZFN[Z ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHLGP **SMC/WZ/FAP/GPZ**(qZ\_! \*  
TFP\_\$v\_\*vZ\_! \*

VZHNFZ ovzL ; HI VFZP IDZF  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]8L . HGZv V|R P ALP, IdAF; LI FsXCZ IJSF; fsJ: 8  
hMGf  
OZL FNGL CSLST ov

IJOFI ov VZHNFZGL J[8 hMG VF. POLP GR ##(4 TFP ! )q\_5qZ\_! \* GL VZHLYL 8LSF GP  
! \_q! Z\* YL ! \_q! #\_s8LSF GR ! \_4%, M8 GR ! Z\* YL ! #\_f AGLI FJF0  
SAJZBFGF ZFN[Z UFD JF/L ID<ST GF AFWSFD VUGL D|f GR ! YL # GL DFICTL  
AFATP  
; NE"ov VZHNFZGL TFP\_\$q\_\*qZ\_! \* YL V5L, GR **SMC/WZ/FAP/Z**(/Z\_! \*v! (   
GL 5YD V5L, AFATP

p5ZNST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL TF! )q\_5qZ\_! \* GL VZHLYL  
8LSF GR ! \_q! Z\* YL ! \_q! #\_s8LSF GR ! \_4%, M8 GR ! Z\* YL ! #\_f AGLI FJF0 SAJZBFGF ZFN[Z UFD JF/L  
ID<ST GF AFWSFD GL DHZL 5+S H[JL D|f GR ! YL # GL DFICTL DFUTL VZHL ZFN[Z hMG BFT[SZJFDAVFJ, P  
H|Gf ; NE" HFCZ DFICTL VIWSFZL TZ0YL 5+ GRq J[8 hMGqVFZP8LPVF. P; [ q\$\_\_4 TFP #\_q\_&qZ\_! \* GF  
ZMH VFZP8LPVF. PV\$8vZ\_\_5 GF IG1 DFG; FZ S, D v! ! GL SFI "JFCL SZJFDF\VFJ, KPH[5]6"YI YL  
IG1 DFG; FZGL DFICTL VF5L XSFX[TJMM5|T]Z IG1 T ; DI VJIWDA5F9JJFDAVFJ, P  
VZHNFZ[\_\$q\_\*qZ\_! \* GF ZMH IG1N08 ; DI DFISM. 5|TEFJ D/|, GYIP TJH6FJL  
V5L, ; JIWSFZLG[; AMWTI 5YD V5L, ZFN[Z hMG BFT[SZJFDAVFJ, P 5ZT]V+GF hMG TZ0YL IG1 T  
; DI VJIWDA5|T]Z 5F9JJFDAVFJ, CMI 4 V5L, VZHL VU[SM. SFI "JFCL SZJFGL ZC|TL G CMI P  
CSD

VZHNFZGL TFP! )q\_5qZ\_! \* GL VZHLYL DFUJFDA VFJ, DFICTL HFCZ DFICTL VIWSFZL  
TZ0YL IG1 T ; DI VJIWDA5ZL 5F9JJFDAVFJ, CMI 4 V5L, VZHL VU[SM. IJXPF SFI "JFCL SZJFGL ZC|TL G  
CMI 4 V5L, VZHL NOTZ[ SZJFDAVFJ, KPH[5]6"YI YL

VF5 p5ZGF IG6"YL GFZFH YI, CMI 4TMUHZFT DFICTL VF1 MU4 SD" MUL EJG4 a, MS GR! 4  
ALHMDF/4 IGDF6EJGGI 5FK/4 ; \$8Zv! \_vV#UFWLGUZG(INGV) \_DFALHL V5L, SZL XSXMP

SOLPVFZPUMIC, f  
GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P  
; ]T DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[0%]BL . HGZv V|R P ALP, IdAF; LI Fs5I`RDhMGfsXCZ IJSF;  
IJEFUfPPPHE6 DF8[  
sZf DNNPHFCZ DFICTL VIWSFZL VF; IP. HGZzL VG[H]. HGZs5I`RD hMGvZFN[Zf sXCZ IJSF;  
IJEFUfHF6 DF8[  
s#f zL ; HI VFZP IDZF



OLPVFZPUMIC,  
V[5], [8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFN[Zf  
OFPAF, F; FC[A N[JZ; ZM04  
TFOJFOL4  
gI ]ZFN[Z ZM04; ]ZT v #) 5 \_\_\_\_ )P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL V5L, VZHL GPSMC/WZ/FAP/GPZ! qZ\_! \*  
TFP! #v\_&vZ\_! \*

VZHNFZ ovzL DJSX U65T, F, ZF6F

; FDFJF/F ovHFC[Z DFICTL VIWSFZL VG[5; MG[, VMIO; Z4 HFC[Z DFICTL VIWSFZL VG[

GFI A IC; FAGLX sD[CSD IJEFUfsV[Sfpq8 IJEFUfs5I` RDhMGf

OZLI FNGL CSLST ov

IJQFI ovVZHNFZGL J[8 hMG VF. POLP GR &\*4 TFP Z! q\$\_qZ\_! \*s; j8= hMG  
VF. POLP GR ! \_\$4 TFP ! )q\$\_qZ\_! \*f GL VZHLYL TFP ! &q\$\_qZ\_! \* VG[  
TFP ! \*q\$\_qZ\_! \* GL DFGGLI J0F5WFG zL GL A[INJ; GL ; ]ZT D], FSFTG[  
ZM0 XM VUGL DFICTL AFATP

; NEbv VZHNFZGL TFP! #q\_&q! \* GRSMC/WZ/FAP/21qZ\_! \*v! ( GL 5YD  
V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZ[ TFP ! )q\$\_qZ\_! \* GL  
VZHLYL TFP ! &q\$\_qZ\_! \* VG[ TFP ! \*q\$\_qZ\_! \* GL DFGGLI J0F5WFG zL GL A[INJ; GL  
; ]ZT GL D], FSFTG[ ZM0 XM NZIDI FG ; PDP5FP V[S8, L Hui FV[SDFG AGFJ, L TGL 5FK/GMBR"  
HJL DJF GR ! YL 5 VUGL DFICTL DFUTL VZHL ; j8= hMG GFUIZS ; ]JWF Sjā BFT[ SZJFDA  
VFJ, 4 H[; LP; LP; LPqVFP8LPVF. PqVFP8J0"GR ! \_\$4 TFP Z\_q\$\_qZ\_! \* YL TDFD hMG TYF  
VgI BFTFDA TANL, SZJFDA VFJ, 4 H[V+GF hMGG[ TFP Z! q\$\_qZ\_! \* GF ZMH D/[ 4 HGF  
VG] WFG[ V+GF hMG TZOYL HFC[Z DFICTL VIWSFZL VG[5; MG[, VMIO; Z wJZF GR J[8  
hMGqVFP8LPVF. P; [ q ! \$5 4 TFP \_\$q\_5qZ\_! \* YL DCSD IJEFU āFZF pST SFDULZL YTL G  
CMJFYI DFICTL p5, aW GYL VJM5t1TZ 5F9JJFDA VFJ, 4 HIFZ[HFC[Z DFICTL VIWSFZL VG[  
GFI A IC; FAGLX TZOYL 5+ GR J[8 hMGqVFP8LPVF. P; [ q! 5\$4 TFP \_5q\_5qZ\_! \* YL IGI T  
; DI VJIWDA5t1TZ 5F9JJFDA VFJ, P

VZHNFZ wJZF TFP \_ )q\_5qZ\_! \* YL DFUJFDA VFJ, DFICTL cSc GF VG] WFG[  
VF5JFDF VFJL GYLP VJJSFZ6 NXFJL dI P SIDxGZZL G[ ; AMMTL 5YD V5L, DwI :Y SRZL  
GR ; LPqVPPVp5LPq ! #4 TFP ! Zq\_&qZ\_! \* YL TDFD hMG TYF VgI BFTF G[TANL, SZ[ 4 H[  
VgJ1[ VZHNFZG[ V+GF hMG TZOYL CSLST, 1FL DFICTL 5ZL 5F0JFDA VFJ, 4HML V5L,  
VZHL VU[SM. SFI "JFCL SZJFGL ZCITL G CMI P

o CSD o

p5ZMST 5\$Z6M GL TFP ! )q\_\$qZ\_! \* GL DY VF. P0LP VZHL TYF 5YD V5L, GAZ v Z!  
TFP! #q\_&qZ\_! \* GL IJUT[J:8sZFNZfhlG HFCZ DFICTL VI3SFZLVM  
s! f 5; MG, VM0; Z4VGZf GFI A IC; FAGLXZL GF V5L, VI3SFZL TZLS[GLR[D]HA GMCSDF SZJFDF  
VFJ|K

VZHNFGZL DY VF. P0LP VZHL GR ! \_\$ TFP! )q\_\$qZ\_! \* YL DFU, DFICTL V[J:8sZFNZfhlG GF  
HFCZ DFICTL VI3SFZL VG[ 5:FMG, VM0; Z zL wJZF" 5+ GR J:8 hMGqVFP8LPVF. P; [ q ! \$5 4 TFP  
\_\$\_q\_5qZ\_! \* YL TYF HFCZ DFICTL VIWSFZL VG[ GFI A IC; FAGLX TZ0YL 5+ GR J:8  
hMGqVFP8LPVF. P; [ q ! \$5 4 TFP \_5q\_5qZ\_! \* YL IGIT ; DI DI FNFDH JFAMDFICTL VF5, CMI ; NZ  
V5L, 5\$Z6[JW]S\ SZJFGZC]GYLP

pST V5L, 5\$Z6[ TFP! \$q\_\*qZ\_! \* GR ZM VF; LP SIDxGZZL J:8 sZFNZf hMG VG[ V5L,  
VIWSFZLGL TYF VF; LP SIDxGZZL ; FpY pWGF hMG VG[ V5L, VIWSFZLGL VFIZS AN, LYJFYL JCLJ8L  
5|SI FG[ . ; NZ V5L, VZHLGMIGSF, DFICTL VIWSFZ VIWIGI DV Z\_\_54 5\$Z6 v5 S, D ! )s&f GL  
HMUJF. V[IGIT ; DI DI FNFDV[ING v#! YL \$5 INJ; GL , AFJ, ; DI UF/FGL VNZ IGSF, SZJFDF VFJ,  
K|H[IJINT YFI P

VF5 p5ZGF IG6! YL GFZFH YI[, CMI 4TM UHZFT DFICTL VFIMU4 SDI MUL EJG4 a, MS GR! 4 ALHM  
DF/4 IGDF6EJGGL 5FK/4 ; \$8Zv! \_vV|UFWLGUZG[INGV) \_DFVALHL V5L, SZL XSXMP

sVpVDPZFHf  
GRJ:8 hMGqVFP8LPVF . PqGRP  
TFZLB0 v vZ\_! \*P  
5|T4  
s! f zl DSX U65T, F, ZF6F4  
sZf HFCZ DFICTL VIWSFZL VG[5; MG, VM0; Z4HFCZ DFICTL VIWSFZL VG[GFI A  
IC; FAGLX sDCSDIJEFU IJEFUfsV\$fpq8 IJEFUf HF6 DF8[  
s#f ; \$XG VM0; Z sVFP8LPVF. ; [ f5|T



VFZP5LP58[  
V[5], 8 VMOL; Z VG[  
VF; LPDI ] GPSIDxGZ



; JZT DCFGUZ5F1, SF  
5IÜD hMG sZFNZf  
OPFAF, F; FCJA NJJZ; ZM04 TF0JFOL4  
gI] ZFNZ ZM04; JZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\* (&! (! v(Zv( #

V5L, VZHL GPSMC/WZ/FAP/GPZ5 qZ\_! \*  
TFPZ(v\_&vZ\_! \*

VZHNFZ OVZL 15S, 5LPWLJ/F

; FDFJF/F o\HFCZ DFICTL VIWSFZL VG\VSFZ6L VG[J; ], FT VIWSFZL sVFSZ6L|JEFUfs5l` RDhMGf  
OZLI FNGL CSLST o\

IJQFI ovVZHNZGL J[8 hMG VF. POLP GR ! \$4 TFP\_&q\_Z\_! \* GL VZHLYL ; JT DCFGUZ5FI, SF  
CNIJ:TFZ DFVFJF Bk, F%, MB GL VFSZ6L BFTF GLIJUT H[JL D]F GR! YL\$ GL DFICTL AFAT  
; NE"ov VZHNZGL TFPZ (q\_&q\_! \* GL 5YD V5I, VZHL GRSMC/WZ/FAP/Z5qZ\_! \*v! (

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ]TFP \_&q\_! \* YL ; ZTDCFGUZ5FI, SFCNIJ:TFZ DF  
VFE[ F B], F%, MB GL VFSZ6L BFTF GLIJUT 4; ZTDCFGUZ5FI, SF WJZF 0B5FYAGFJJF5FK/ YTFBR'  
GLIJUT4; ZTDCFGUZ5FI, SF WJZF AGFJJF DF VFE[ A:8M5 GF 8f0ZGL GS, 4; ZTDCFGUZ5FI, SF WJZF TMOJF DF VFE[  
A:8M5GL IJUT DFUTL VZHL V+GF J[8 hMG BFT[SZJFDF]VFE[ 4 HGF VG] WFG[V+[ GF J[8hMG TZ0 5+ GR J[8 hMGq  
VFZP8LPVF. P; [ q! \$4 TFP \_\*q\_! \* YL HFCZ DFICTL VIWSFZL VG[ 0%I BL. HGZ VG[ 0%I BL. HGZ TDFD hMG4 HFCZ  
DFICTL VIWSFZL VG[ 0%I BL. HGZ ALVFZP8LPV[ 5MHS8 HFCZ DFICTL VIWSFZL VG[ VFSZ6LVGJ[ZJ; ], FTVIWSFZLTD  
hMG[TANL, SZJFDF]VFE[ HI FZ[ V+GF J[8hMG HFCZ DFICTL VIWSFZL VG[ VFSZ6LVGJ[ZJ; ], FTVIWSFZL WJZF IGIT  
; DI VJIWDA5+ GR J[8 hMGq VFZP8LPVF. P; [ q! #4 TFP Z! q\_! \* YL IGIT ; DI VJIWDA5+ REZL DFICTL DVJJF  
5; TFJ SZ[ 4 HGF VG] WFG[VZHNFZ]GF6REZL DFICTL D/J[ GYLP

VZHNFZ TFPZ( q\_&Z\_ ! \* GFZMH ; PDPGPG) SM%I BZ; JZ VS CMFKTF V, UV, U GF6FV EZ5F. SZJF H6FJ, Kp  
JWDFA ZFNhMG4; b8- hMG4I, AFI ThMG I; JFI SM. GF6F EZ5F. SZJFH6FJ, GYL TJ] H6FJL 5YD V5L, JF8hMG BFT  
SZJFDA VFJ, P5ZT] ; PDPGPhMG5YF VD, LYI FAFN hMGGF SFI ÜCp/ GL ID<STM DF8[ H[T hMG SÜFV[ SFDLZLYTLCM  
VgI hMGGLDFICTL p5<AW GCMI DFUFDHAGLDFICTL H[T] JEFUBFTYL IG1 DFG] FZ OL EZ5F. SZL D/JJF GLZC Kp VFD  
VZHNFZGL ; NZ V5L, AFAT|SM. SFI UFCL SZJFGL ZCITL GYL4 TD KTFVZHNFZ . rK\$ CMI TM; NZ DFICTL GL ; IPOLP HFCZ  
DFICTL VIWSFZLGF 5:TFJ VG] FZ D/JL XS[KP

CJSD

VZHNFZGL TFP \_&\$\_! \* GL VZHLYL DFUJFDA VFJ, DFICTL HFCZ DFICTL VIWSFZL VG  
VFSZ6LVGJZJ; ] FTVIWSFZL WJZF VZHNFZG[ IGIT ; DI VJIWDA 5ZL 5FOJFDA VFJ, Kp TD KTA VZHNFZG[ ; NZ  
DFICTLGL H~Z CMI TMGF6AEZL DFICTL DJJJF :JT# Kp

GRJ[ 8 hMGqVFZP8LPVF. PgGR  
TEZIBoy y y7 ! \*P

5|T4

s! f HfCZ DFICL VWSFZL VGVSZ6L VGUZEJ; ], FTWWSFZL sVFSZ6L IJEFUfsJ[8 hMGf HF6TYF ; FZ]

sZf ZL 15\$, 5pk, RE 3LJF/F4 ST+L ; DFWFG gI Jhf4

s#f T[MGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJZF SZJFDAVFJ], IGSF, ; AA HF6 ; F-P

sVFZP5lP58[ f  
V5] B VF10; Z VG[  
VF; LPdI ]GPSIDxGZs5lZD hFGvZFNZf  
; ZT DCFGUZ5fI, SPP



OLPVFZPUMC,  
V[5], B VMOL; Z VG  
SF1 5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZPNZF  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ]ZPNZ ZM04; ]ZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP~~SMC/WZ/FAP/GPZ5qZ\_!~~ \*  
TFPZ(v\_&vZ\_! \*

VZHNFZ ovzL I5\$, 5LPWLJF/F

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv ALPV|RPHFOHF sZ: TFIJEFUfs5I` RDhMGf  
OZLI FNGL CSLST ov

IJOFI ovVZHNFZGL J[8hMG VF. POLPGR! \$4 TFP\_&q\_\$qZ\_! \* GL VZHLYL ; ]ZT DCFGUZ5FI, SF NFZF  
085FY AGFJJF 5FK/ SZJFDAVFJ, BRGL IJUT H[!] D[!] F GR! YL\$ GL DFICTL AFATP  
; NE"ov VZHNFZGL TFPZ(q\_&q! \* GL 5YD V5L, VZHL GR~~SMC/WZ/FAP/Z5qZ\_!~~ \*v! (

p5ZMST IJOFI VG[; NE"AFAT[H6FJJFG]S| VZHNFZ[ TFP\_&q\_\$qZ\_! \* YL ; ]ZDCFGUZ5FI, SF CNIJ:TFZ  
DF VEFJ, F B[!, B% , MB GL VFSFZ6LBFTF GL IJUT4 ; ]ZDCFGUZ5FI, SF wJZF 085FY AGFJJF 5FK/ YTF BR" GL  
IJUT4; ]ZDCFGUZ5FI, SF wJZF AGFJJF DF VEFJ, A:F8M5 GF 8j0ZGL GS, 4; ]ZDCFGUZ5FI, SF wJZF TMOJF DF VEFJ,  
A:F8M5GL IJUT DFUTL VZHL V+GF J[8hMG BFT[SZJFDAVFJ, 4 HGF VG]; WFG[V+[GF J[8hMG TZ0YL 5+ GR J[8hMG  
VFZP8IPVF. P; [ q! \$4 TFP \_\*q\_\$qZ\_! \* YL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TDFD hMG4 HFCZ DFICTL VIWSFZL VG[  
0%]BL . HGZ ALPVFZP8IPVF; 5MHS84 HFCZ DFICTL VIWSFZL VG[ VFSFZ6I VG[ J[Z J; ], FT VIWSFZL TDFD hMGG[TANL,  
SZJFDAVFJ, P

VZHNFZGL ; NZ VZHL AFAT[VZHNFZ wJZF DNFI GRZ VU[SM H 5ZTTF SZJFDAVFJ, GYIP H[!] DFICTL VFZP8IPVF. GL  
S, D\*s&f DHA o[ DF VF5JL V[J] H6FJL TFPZ(q\_&q! \* GRZMH V[5, B VMOL; Z ; 1FD ; tTFD0/4 ; ]ZT DCFGUZ 5FI, SF G[  
; AMWLT 5YD V5L, V+GF J[8hMG BFT[SZJFDAVFJ, P V+GF J[8hMG TZ0YL 5+ GR J[8hMG VFZP8IPVF. ; [ q#) &  
TFPZ)q\_&q! \* V5L, VIWSFZL VG[ SF1 5F, S. HGZ TDFD hMG G[TANL, SZJFDAVFJ, P VZHNFZG[V+GF SF1 1F+ C9/GL  
DFICIT HFCZ DFICIT VI3SFZL V[5ZL 5F0, GYIP TMY VZHNFZG[VFJL DFICIT IJGFDkI [5ZL 5F0JFGL ZC[KP

CJS

VZHNFZGL TFP\_&q\_\$qZ\_! \* GL VZHLYL DFUJFDAVFJ, DFICTL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZ0 YL DFICIT  
5ZL 5F0JFDAVFJ, G CMIP VFZP8IPVF. PV\$8 GL S, D \*s&fc9/ ING \* DF DFICIT IJGFDkI [5ZL 5F0JF HFCZ DFICTL  
VIWSFZL VG[0%]BL . HGZsXCZIJSF; f J[8hMG[H6FJJFDA VFJ[KP

sOLPVFZPUMC, f

V[5, B V[!]0; Z VG|  
SF1 5F, S . HGZs5IzD h[!]GvZPNZF  
; ]ZT DCFGUZ5FI, SF

GR J[8hMG VFZP8IPVF. PqGR

TFZLBov v vZ\_! \*

s! f HFCZ DFICTL VIWSFZL VG[0%]BL. HGZsZ: TF IJEFUfsJ[8hMGf HF6 TYF VD, ; FZ]  
sZf zl I5\$, 50k, R€ 3LJF/F4

s#f TMIGL V5L, VZHL VU[p5ZGL IJUTFGFCJS D wJZF SZJFDAVFJ, IGSF, ; AA HF6 ; F~P



OLPVFZPUMC,  
V[5], B VMOL; Z VG  
SF1 5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ] ZPNZ ZM04; JZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP/GPZ~~& qZ\_! \*  
TFPZ(v\_&vZ\_! \*

VZHNFZ ovzL I5S, 5IP3LJF/F

; FDFJF/F ov ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv V|GP5LPXFC sXCZIJSF; IJEFUfs5I`RDhMGf  
OZLI FNGL CSLST ov

IJQFI ov J[8 hMG VF. POLP GR ! \*4 TFP \_&q\_\$qZ\_! \* GL VZHL YL 8IP5LP GR ! Z4 VDP5LP Z)4

VIP5LP Z\*vZ(JF/L ID<STDFAGEJFJDFAVFJ; ; kAL CM:5I8, VUGL DFICTL AFATP

; NE"ov VZHNFZGL TFPZ(q\_&q! \*GL SMC/WZ/FAP/Z&qZ\_! \*v! ( GL 5YD  
V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ]TFP \_&q\_\$q! \* GL VZHL YL 8IP5LP GR ! Z4 VDP5LP  
Z)4 VIP5LP Z\*vZ(JF/L ID<STGL DFICTL DFUTL VZHL V+GF J[8 hMG BFT[SZJFDAVFJ, 4 HGF VG]; WFG[HFCZ DFICTL  
VIWSFZL VG[0%]BL . HGZ TZOYL J[8 hMG 5+ GR VFZP8LPVF. P; ; q! Z)4 TFP \_! q\_5qZ\_! \* YL DwI :Y XCZ IJSF; G  
VFXS TANL, SZJFDAVFJ, P

; NZ VZHLAFAT[ VZHNFZDFZ DNFGR! VU[ ZFNZ hMG wJZF SM. HJFA S[5]TF SZJFDAVFJ, GYIP TYF DwI :Y  
XCZ IJSF; TZOYL VFHING ; WL SM. 5JTF SZJFDAVFJ, GYIP VJ[H6FJL TFPZ(q\_&q! \* GF ZMHV5I B VMIO; Z DwI :Y  
XCZ IJSF; G ; XMTL 5YDV5L, V+GF J[8hMG BFT[SZJFDAVFJ, PV+GF J[8hMG TZOYL 5+  
GRJ[8hMGqVFZP8LPVF. ; ; q#) \* TFPZ(q\_&q! \* YL V5L, VIWSFZLVG[. RFP8FPG %, FGZSDWI :YXCZ IJSF; f G[TANL,  
SZJFDA VFJ, PVZHNFGZ[ V+GF SF1 1F+ C9/GL DFICIT HFCZ DFICIT VI3SFZL V[5ZL 5F0, GYIP TYL VZHNFGZ[ VFJL  
DFICIT IJGFDkI[5ZL 5F0JFGL ZC[K]P

0CSD0

VZHNFZGL TFP \_&q\_\$qZ\_! \* GL VZHL YL DFUJFDAVFJ, DFICTL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL  
DFICIT 5ZL 5F0JFDA VFJ, G CM: P VFZP8LPVF. PV\$8 GL S, D \*s&fC9/ ING\* DA IJGFDkI[5ZL 5F0JF HFCZ DFICTL  
VIWSFZL VG[0%]BL . HGZsXCZIJSF; f J[8 hMG[H6FJJFDAVFJ, K]

sOLPVFZPUMC, f

GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

V[5], B VFO; Z VG[  
SF1 5F, S . HGZs5IZD hFGvZFNZF  
; JZT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICTL VIWSFZL VG[0%]BL. HGZsZ:TF IJEFUfsJ[8 hMGf HF6TYF VD, ; FZ]

SZf zL I5S, 5Pj, RE 3LJF/F

s#f TMIGL V5L, VZHL VU[p5ZGL IJUT[GFCSD wJZF SZJFDAVFJ, IGSF, ; AA HF6 ; F~



OLPVFZPUMC,  
V5|, 8 VMOL; Z VG|  
SF1 5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FC|A NJZ; ZM04 TFOJFOL4  
gI ] ZPNZ ZM04; JT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL G~~PSMC/WZ/FAP/GPZ~~) qZ\_! \*  
TFP\_\*v\_\*vZ\_! \*

VZHNFZ ovzL 9FSMZEF. OFCI FEF. ; |, Z

; FDFJF/F ov ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 DLTFAQ UFWLsXCZIJSF; IJEFUfs5I` RDhMGf  
OZLI FNGL CSLST ov

IJQFI ovVZHNFZ GL J|8 hMG VF. POLP GR) (4 TFP\_-\$q\_5qZ\_! \* GL VZHL YL VZHNFZ NFZ TFPZ\$q\_\*qZ\_( GF  
ZMH ; JT DCFGUZ 5FI, SF SIDXGZzl4 DJ, L; ZF4 ; JT G[0IZI FN VF5|, L VZHL TFPZ\$q\_\*qZ\_(4 AFATP

; NE"ov VZHNFZGL TFP\_\*q\_\*qZ\_! \* GL ~~SMC/WZ/FAP/Z~~) qZ\_! \*v! ( GL 5YD  
V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S| VZHNFZ[ TFP\_-\$q\_5q! \* GL VZHL YL VZHNFZ NFZ  
TFPZ\$q\_\*qZ\_( GF ZMH ; JT DCFGUZ5FI, SF SIDXGZzl DJ, L; ZF4 ; JT GL OIZI FN VF5|, L VZHL TFPZ\$q\_\*qZ\_( YL  
ZL; LJ SZ| K| H[VZHL 8fg; OZ Y. G[VF5ZL ; FC|A ; D1F VFJ, L H[VZHL ; NE"VF5ZL ; FC|A NFZ VZHL GL T5F; SMG|  
; M5JFDA VFJ, l4 VZHL ; NE" SIF 5U, FVM EZJFDA VFJ, F VG[VZHL VUGM TDFD :88; GL , IBT BZL GS, VU| GL  
DFICIT GL DFU6L SZ| CMI 4 HGF VG}; BFGDA HFCZ DFICIT VI3SFZL VG[0%]BL . HGZ4 TZ0 YL IGI T ; DI VJIW AFN 5+GR  
J|8hMGq VFZP8LPVF. ; | q#\_\$\_4 TFP\_) q\_\*qZ\_! \* YL DFU| F DHA GL DFICIT 5| GMTZL 5\$FZ GL CMI 4 H[VZP8LPVF.  
V\$8vZ\_5 VTUT VF5JFGL CMTL GYL4 V8, [S|S, DvZsFf GLR| VFJ, K| VZHNFZ[ TFP\_-\$q\_5qZ\_! \* GF ZMH DFU|  
DFICIT VU[TFP\_) q\_\*qZ\_! \* GF ZMH D/[ F 5|TEFJ YL GFZFH Y. 5YD V5L, SZ| K|

oCISDo

VZHNFZGL TFP\_-\$q\_5qZ\_! \* GL VZHL YL DFUJFDA VFJ, CSLST, 1F p5, aW DFICTL IJGFDkI [5ZL 5F0JF HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZsXCZIJSF; f J|8 hMGG[H6FJJFDA VFJ, K|

sOLPVFZPUMC, f

GRJ|8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

V5|, 8 V#0; Z VG|  
SF1 5F, S . HGZs5IzD hFGvZFNZF  
; JT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICTL VIWSFZL VG[0%]BL . HGZsXCZIJSF; fsJ|8 hMGf HF6 TYF VD, ; FZ|  
sZf zl 9FSMZEF. OFCI FEF. ; |, Z4

s#f TMIGL V5L, VZHL VU[p5ZGL IJUTGRACSD wJFZF SZJFDA VFJ, IGSE, ; AA HF6 ; F~P



OLPVFZPUMC,  
V[5], 8 VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IüD hMG sZFNZf  
OPFAF, F; FC[A NJJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_) P  
OMGo\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/#\_qZ\_! \*  
TFP\_\*v\_\*vZ\_! \*

VZHNFZ ovzL 9FSMZEF. OFCI FEF. ; [, Z  
; FDFJF/F ov ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 DLTFAG UFWLsXCZIJSF; IJEFUfs5I` RDhMGf  
OZLI FNGL CSLST ov

IJQFI ovVZHNFZ GL J[8 hMG VF. POLP GR) )4 TFP \_\$q\_5qZ\_! \* GL VZHL YL VZHNFZ NFZ TFPZ\$q\_\*qZ\_! ( GF  
ZMH ; ]ZT DCFGUZ 5FI, SF SIDXGZzI4 DJ, L; ZF4 ; ]ZT G[OIZI FN VF5[ L VZHL TFPZ\$q\_\*qZ\_! ( AFATP

; NE"ov VZHNFZGL TFP\_\*q\_\*qZ\_! \* GL **SMC/WZ/FAP/#\_qZ\_!** \*v! ( GL 5YD  
V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S| VZHNFZ[ TFP \_\$q\_5q! \* GL VZHL YL VZHNFZ NFZ  
TFP \_#q! ! qZ\_&GF ZMH ; ]ZT DCFGUZ5FI, SF SIDXGZzI4 DJ, L; ZF4 ; ]ZT GL OIZI FN VF5[ L VZHL TFP \_#q! ! qZ\_& YL  
ZL; LJ SZ[ Kp H[VZHL 8fg; OZ Y. G[VF5zL ; FC[A ; D1F VFJ[ L H[VZHL ; NE"VF5zL ; FC[A NFZ VZHL GL T5F; SMG[  
; M5JFDA VFJ[ I4 VZHL ; NE"SIF 5U, FVM EZJFDA VFJ[ F VG[VZHL VUGM TDFD :88; GL , IBT BZL GS, VU[ GL  
DFICIT GL DFU6L SZ[ CMI 4 HGF VG]; BFGDA HFCZ DFICIT VI3SFZL VG[0%]BL . HGZ4 TZ0 YL IGI T ; DI VJIW AFN 5+GR  
J[8hMGq VFZP8LPVF. ; [ q#\_#4 TFP\_)q\_\*qZ\_! \* YL DFU1F DHA GL DFICIT 5]GMTZL 5\$FZ GL CMI 4 H[VZP8LPVF.  
V\$8vZ\_5 VITUT VF5JFGL CMTL GYL4 V8, [S|S, DvZsFf GLR[ VFJ[ Kp VZHNFZ[ TFP \_\$q\_5qZ\_! \* GF ZMH DFU[  
DFICIT VU[TFP\_)q\_\*qZ\_! \* GF ZMH D/[ F 5]TEFJ YL GFZF H. 5YD V5L, SZ[ Kp

oCISDo

VZHNFZGL TFP \_\$q\_5qZ\_! \* GL VZHL YL DFUJFDA VFJ[ CSLST, 1F p5, aW DFICTL IJGFDkI [5ZL 5F0JF HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZsXCZIJSF; f J[8 hMG[H6FJJFDA VFJ[ Kp

sOLPVFZPUMC, f

GRJ[8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

V5[ 8 V#0; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICTL VIWSFZL VG[0%]BL . HGZsXCZIJSF; fsJ[8 hMGf HF6 TYF VD, ; FZ]

sZf zl 9FSMZEF. OFCI FEF. ; [, Z4

s#f TMIGL V5L, VZHL VU[p5ZGL IJUTGRACSD wJFZF SZJFDA VFJ[ IGSE, ; AA HF6 ; F~P



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SEI '5E, S., HGZ



; JZT DCFGUZ5F1, SF  
5IÜD hMG szFNIZf  
OPFAF, F; FCJA NJJZ; ZM04 TFOJFOL4  
gI ] ZFNIZ ZM04; JZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z\_&! vZ\* (&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP#!** qZ\_! \*  
TFP \* v \* vZ\_! \*

VZHNFZ ovzl HXUTI; |C VPA|CDE8'

; FDFJF/F ovHFC[Z DFICTL VIWSFZL VG[ VM, 0%I ]8L . HG[Zv sXC[Z IJSF; fsJ:[ 8 hMGf  
OZLI FNGL CSLST ov VZHNFZ GL J:[ 8hMG VF. POLPGR ! \* \$4TFP\_#q\_&q! \* YL TFP\_! q! \_q! & YL VFHING ; M  
U[ZSFN Z AFWSFD ; NE" VFJ[, OIZI FN VG[ TGF ; NE" YI[, SFJFCL VUJGL DNF GR ! YL\$  
GL DFICIT AFATP  
; NEbv VZHNFZGL TFP\_\*q\_\*qZ\_! \* YL V5L, GRSMC/WZ/FAP/#! /Z\_! \*v! (

GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNZGL TFP ! \*q! ZqZ\_! & GL VZHLYL TFZLB  
\_! q! \_qZ\_! & YL VFHING ; 3L UZSFN[ Z AWSDF ; NE"VFJ[ OIZI FN GL IJUTMT[ ; NE"YI[ SFI "JFCI GL 5DFI6T GS,  
; ICT IJUTJFZ DFICIT HJL DNF GR ! YL \$ VUGL DFICIT DFUTL VZHL V+GF J[ 8hMG BFT[SZJFDRVFJ[ P

VZHNFZ GL ; NZ VZHL AFAT[HFCZ DFICIT VI3SFZL TZ0 YL DFICIT G D/TF VZHNFZ[TFP \_ \*q\_\*qZ\_! \*  
GF ZMH V5L, VI3SFZL ZENZ hMG G[IGIT ; DI D1FNF DA HFCZ DFICIT VI3SFZL NFZF DFICIT 5ZL 5FOJFDG VFTJF  
IGI DMG; FZ IJGFDK[ DFICIT GL GS, M D[JJF 5YD V5L, VZHL SZJFDA VFJ, 4 V5L, NZdI FG HFCZ DFICIT VI3SFZL  
TZ0YL VZHNFG[5+ GRJ[8hMGPVFZP8LPVF. q\$) \_ TFPZ\$q\_\*qZ\_! \* YL DFlI F DHA GL DFICIT DA VFJ, OIZI FN GL IJUTF  
VMI0; HGZBp DFICIT GYL ; NZC] DFICIT VFZP8LPVF. V\$8 Z\_5 VTUT VFJTL GYL 5ZT]U[ZSFN; Z AFBSFD VgJ1[  
YI[ SF1JFCL VUGF V+GL SRZL p5, a3 Z\$OGL NOTZL RSF; 6L SZJF TFPZ(q\_\*qZ\_! \* GF ZMH ; FH[\$o S, FS[NOTZL  
IGZL1F6 VU[V03MS, FS IJGFDK[ VG[tI FZAFN NZ V03F S, FSGF ~PZ\_qV , B[D\$Z SZJFDA VFJ, OL EZ5F. SIYL RSF; 6L  
SZJF NJFDFVVFJXP VJM5tITZ 5F9JFDA VFJ, P

0 CSD 0

VZHNFZGL TP\_#q\_&qZ\_! \* GL VZHLYL DFUJFDA VFJ[ DFICTL HFC[Z DFICIT VI3SFZL NFZ IGI T ; DI  
DI FNF AFN HJFA 5F9J[ CMI VZHNFZG[IG0X]S . g:5\$XG 5Z[5F0JF VG[H~ZL GS, MIJGFD[ I[INGv\* DR5ZL 5F0JF HFC[Z  
DFICIT VI3SFZL VG0%I BL . HGZ ZANZ hMG G[H6FJFDA VFJJKP

VF5 p5ZGF IG6! YL GFZF H YI [ CMI 4TM UHZFT DFICTL VF1 MU4 SD! MUL EJG4 a, MS GR! 4 ALHM DF/4 IGDP6 EJGG1 5FK/4 ; S8Zv! \_vVHUFWLGUZG[INGv) \_DRAALHL V5L, SZL XSXMP

GRJ[:8 hNGq\VFZP8LPVF. PgGR  
TFZLBov v vZ\_! \*P

SOLPVFZPUMC, f  
V[5], β V[10]; Z VG[  
SF15F, S . HG[zs5lZD hFGvZENZF  
; ZT DCFGUZ5F, SFP

5|T4  
s! fzl HXUTI; C VPA|CDE8!  
SZF HFCZ DFICL| VIWSFZL VGIVM. OMI Bl. HGZs51` RDhMGfsXCZ| JSF: JEFUfpppHE6 TYF VD. DF8P



OLPVFZPUMIC,  
V[5], B VMOL; Z VG  
SF 5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ] ZPNZ ZM04; JZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/G#Z qZ\_!** \*  
TFP! \_v\_\*vZ\_! \*

VZHNZ ovzLDIT 5FJTLA[G 58]

; FDFJF/F ovHFCZ DFICTL VIWSZL VG[VFSZ6L VG[J; ], FT VIWSZL sVFSZ6L IJEFUF s5I` RDhMGf  
OZLI FNGL CSLST ovVZHNZ GL J[8hMG VF. POLPGR! ! 55 TFPZ(q\_\*qZ\_! \* GL VZHLYL DNFGF  
s! f8GFD8 GAZ ! \* Alv55vZ#5! v\_v\_\_# C9/ GMWFI, ID<STGF J5ZFX G]1F+0/  
SZFDTSB , MSXG 0\$8Z GSSL SZJFGL 5w3IT4 IG1 DF[ VUGL DFICITPs#f ID<ST GL pDZ Z) J0F Kp  
H[VU[0\$8Z F2 v0.9 NXFJ, Kp J0FZ\_! 5v! & VU[F2 GL ; 56"RF8"GL DFICIT AFATP  
; NE"ovs! f VZHNZGL VF. POLPGR! ! 55 TFPZ(q\_\*q! \* GF ZMHGL DY VZHL  
sZf VZHNZGL TFP! \_q\_\*qZ\_! \* GF ZMHGL 5YD V5L, VZHL  
s#fV5L, VZHL; NE"HFCZ DFICIT VI3SFZL G[5]TF SZJF DF8[V5, B VIWSZL NFZ  
DMS, JFDFVFE, TFP! \_q\_\*qZ\_! \* GF ZMH GM5+P  
s\$fhFCZ DFICIT VI3SFZL VG[VFSZ6L VG[JF J; ], FT VIWSZL NFZ VZHNZ G[5F9JJFDF VFE,  
TFP! \*q\_\*q! \* GF ZMHGM 5+ GR VFZP8LPVF. ; [ q 5(

VZHNZ zLDIT 5FJTLA[G 58] NFZ VFZP8LPVF. V\$8 VTUT GL TFPZ(q\_\*qZ\_! \* GL VZHL  
YL DNFGP s! f8GFD8 GAZ ! \* Alv55vZ#5! v\_v\_\_# C9/ GMWFI, ID<ST DF8[s! f J5ZFX G]1F+0/ 5\*P5! RMDLP  
, B[ Kp VF VU[ NZS ~D GL DF56L SZ] CX[TGL IJ:TT DFICIT VF5JF AFATP sZFDTSB , MSXG 0\$8Z F1v1.5 U6[ Kp  
VF 0\$8Z GSSL SZJFGL 5w3IT VU[IJ:TT DFICIT VF5JF AFATPs#f ID<ST GL pDZ Z) J0F Kp H[VU[0\$8Z F2 v\_P9 NXFJ,  
Kp J0FZ\_! 5v! & DF8[ F2v0.8 NXFJ, Kp HYL J0FZ\_! 5v! & TYF Z\_! &v! \* VU[0\$8Z F2 GF ; 56 RF8 GL DFICIT  
AFAT[GF HFCZ DFICIT VIWSZL VG[VFSZ6L VG[J; ], FT VIWSZL GF TFP! \*q\_\*qZ\_! \* GF ZMHGF HJFAq DFICIT VgJ1 [D/[ DFICIT YL GFZFH Y. TFP! \_q\_\*qZ\_! \* GF ZMH 5YD V5L, SZFDVFE, P

VZHNZGL V5L, VZHLGF VG[ BFG[DY VZHLGL GS, 4 VF5[ DFICIT GL GMB IJEFU ; ICT GS, VF5JF HMJ  
5ZS DFICIT GL IJUTMIJ, A qJ; UTTfq . gSFZ CMI TM TGL : 508TF ; C 5CMRTL SZJF TYF V5L, GF DNF VU[56 TDGM 51F  
ZH|SZJF V5, B VI3SFZL VG[VF; IPSIDXGZL NFZ GR VFZP8LPVF. ; [ q \$\*5 TFPZ! q\_\*qZ\_! \* YL HFCZ DFICIT VI3SFZL  
VG[VFSZ6L VG[J; ], FT VI3SFZL J[8hMG G[5+ 5F9JJFDF VFE, P HGF VG[ 3FG[HFCZ DFICIT VI3SFZL VG[VFSZ6L VG[J; ], FT VI3SFZL TZOYL TFP! \*q\_\*qZ\_! \* GF ZMH 5+GRJ[8hMG VFZP8LPVF. ; [ q 5( YL VFSZ6L IJEFU G[ , FUT DFICIT  
VU[VZHNZG[HJFAq DFICIT 5ZL 5FOTF 5+ GL GS, ; ICT V+[5+GRVFZP8LPVF. P ; [ J[8hMGq\$&\* TFP! )q\_\*qZ\_! \* GF  
ZMH YL , IBT 51F ZH|SZ] P

VZHNZ GL DY VZHL ; NE"DF HFCZ DFICIT VIWSZL VG[VFSZ6L VG[J; ], FT VIWSZL J[8hMG NFZ 5+  
GRJ[8hMG VFZP8LPVF. ; [ q 5( TFP! \*q\_\*q! \* GF 5+ YL VZHNZ G[ HJFAq DFICIT VF5JFDF VFE, TYF N:TFJH OL  
EZ5F. SZL DFICIT D/JL , JF VU[H6FJFDF VFE, H[VgJ1[VZHNZ NFZ TFP! 5q\_\*qZ\_! \* Z; IN GAZ Z\_\_q! Z5 YL  
N:TFJH OL ~P\*\$qV EZ5F. SZL DFICIT GL GS, GUv #\*4 J[8hMG VFp8J0"GR #! ( TF ! 5q\_\*qZ\_! \* YL :5l0 5M8 YL  
DMS, [ Kp V5L, VZHLGF ; NE"DF V5L, VIWSZL VG[VF; IPSIDXGZ J[8hMGsZFNZfGF 5+ GR \$\*5 TFPZ! q\_\*qZ\_! \* YL  
VZHNZ G[TFPZ(q\_\*qZ\_! \* GF ZMH V5, B VIWSZL VG[VF; IPSIDXGZ J[8hMG ; D1F ~A~ DFVgI SM. JWZHMFT DF8[  
! Z0#\_ S, FS[CFHZ ZCJF H6FJFDF VFE, P H[AFAT[VZHNZGL 5FJTLA[G 58] CFHZ ZC1FG CTF

VZHNFGZL DV VZHL4 5YD V5L, VZHL GR#Z TFP! \_q\_\*qZ\_! \* TDPH p5, aW CSLST wI FG[, TTF HFPDPV13SFZL  
VG[VFSZ6L VG[ JZF J; ], FT VI3SFZL GAV5L, VIWSZL TZLS[GRL[D]HAGMCSD SZL V5L, GMIGSF, SZJFDFVFEK

VZHNFGZL TFPZ(q\_\*qZ\_! \* GL DV VZHL4 5YD V5L, YL DFU, DFICIT 5S26[HFCZ DFICIT VIWSZL VG[VFSZ6L VG[ J; ], FT VIWSZL NFZ 5+GR 5( TFP! \*q\_\*qZ\_! \* YL VZHNFGZ[HJFAq DFICIT VF5JFDFVFE, P TYF N:TFJHL  
OL EZ5F. SZL DFICIT D/JL, JF VU[H6FJFDFVFE, H[VU[VZHNFGZ[GF6ATFP! 5q\_\*qZ\_! \* GF ZMH ~A~ DA EZ5F. SZL  
DFICIT D/JL, K; NZ DNFMGL IJUTM wI FG[, . V+ML DNFGRs! fDFH6FJF DHA GF 8GFDj8 GAZ C9/ GF V; , 5+S DA  
:Y/ I:YIT GF, XAF. TYF 5CM/F. GF DF5 NXFJ, KPTYF DNF GRs Zf VU[DFSB, NSXG O\$8Z GSSL SZJFGL 5WWTv IGIDM  
VU[V+ML ; JT DCFGUZ 5F, SF GF H[T[JQ"GF VD, L SZNFTF IGIDMS[HDF VFSZ6L IJOFIS, FU]IJIW O\$8Z GF NZMTDH  
IHZ RFH"; GL TDFD IJUTMGM; DFJX YI, KPTGL GS, VF5JFDFVFE, KPDNFGRs#f DFH6FJF DHA V; , 5+SM DRH[  
DF5M NXFJ, K#H[BM8L CMJFGL ZHMFT UFCI ZFBL XSFI TD GYL SFZ6 S[5JTDFG SF1 NF GL HMUJF. VgJI[p5, aW Z\$0"  
VFWZLT ; E6"DFICIT VF5JFDFVFE, Kp VFD VZHNFGZ GL DV VZHL YL DFUJFDFVFE, DFICIT VgJI[HFCZ DFICIT  
VIWSZL TZ0 YL VF5JFDFVFE, HJFAq DFICIT AZFAZ H6FTL CMI TYF VZHNFGZ ; GEJ6L DFCHZ ZC, F G CMI J3]ZHMFT  
G CMI ; NZ V5L, DFGL IJUTM V[JWJSXJSZJFGZC]GYLP

SFI NFGL HMUJF. VgJI[p5, a3 Z\$0"VF3FZLT TYF T[DHA GL DFICIT VF5JFGL ZC[TL CMI KpVG[T[DHA DFICIT VF5JFDF  
VFE, Kp OIZI FNq IJ; UTF IJOFIS ZHMFTM ; 1FD ; tTF G[V, FI NL VZHL YL SZJFGL ZC[Kp VFD4 KTF VZHNFGZ[DHSZ JW]  
DFICIT q :5Q8LSZ6 DVJJF DFUTF CMJ TM HFCZ DFICIT VIWSZL VG[VFSZ6L VG[ J; ], FT VIWSZL GM ; E5"SZL NOTZL  
IGZL1F6 SZL DV JL XSX K

VF5 p5ZGF IG6! YL GFZFH YI, CMI 4TMUHZET DFICIT VF1 MU4 SD1 MUL EJG4 a, MS GR! 4 ALHMDF/4 IGDF6EJGGI 5FK/4  
; \$8ZV! \_vV[UFWLGUZG[INGv) \_DFALHL V5L, SZL XSX

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*p  
5|T4

s! f zLDIT 5FJTL AG 58, P  
sZfHFCZ DFICIT VIWSZL VG[VFSZ6L VG[ JZF J; ], FT VIWSZL sVFSZ6L IJEFUfsJ:8 hMGf HF6 DF8,  
s#f ; \$XG VMO; Z sVFZP8LPVF. ; , f5|TPPPPPP HF6 ; FZ]

sVpVDP ZFHf  
V5L, VI3SFZL VG[  
VF; lpdI ]GPSIDxGZs5lzd hFGvZFNZf  
; JT DCFGUZ5F, SP



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5lÜD hMG sZFNIzf  
OPFAF, F; FCJA NJUZ; ZM04 TFOJFOL4  
gI ] ZFNZ ZM04; JZT v #) 5 \_\_\_) P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP## qZ\_! \*  
TFP! \*v\_\*vZ\_! \*

VZHNFZ ovzL OMHLI F VbTZ XZL04

; FDFJF/F ov ovHFCZ DFICTL VIWSFZL VG[0%I BL . HGZ V|RPA LP, LdAF; LI F  
sXCIZIJSF; IJEFUfs51` RDhMgf

OZLIFNGLCSLST 0V

!JOFI ovVZHNFZ GL J[8 hMG VF. POLP GR! 5\_4TFPZ\$!\_5qZ\_! \* s; [8], hMG ; LJS ; [8], VF. POLPGR ! \*\$  
TFP\_! q\_5qZ\_! \* fGL VZHL YL JZL FJ A; :8M5 5F; [hGA 5[ ] GL 5FK / V5F8D[8 GF AFWSFD GL 5ZJFGUL GL GS, HUF  
DNF GR ! YL \$ AFATP  
; NE"ov VZHNFZGL TFP! \*q \*qZ ! \* GL SMC/WZ/FAP/##qZ ! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[ ; NE" AFAT[ H6FJJFG] S| VZHNFZ[ TFP\_! q\_5q! \* GF ZMH JZL| FJ A; :8M5 5F; [ hGA  
5[ ; GL 5FK/ ; FNLS V, LEF. 58[ GF RF, TF RFZDF/ GF V|5F8D|8GF] AFWSFD GL 5ZIDXG H|UF DNFGF ! YL \$ VUGL  
DFICIT DFUTL VZHL ; |8, hMG GFUZLS ; ]JWF S|N| BFT[ SZJFDA VFJ[ H[ ; IP; IP; IP|h|p|VFP8LPVF. qVFP8  
! \*\$4TFP\_Zq\_5qZ\_! \* GF ZMH QP8FpG %, FGZ VG[ HFCZ DFICIT VIWSFZL 8FpG %, FGLU BFTFG[ TANL, SZ[ P H[ GR  
8LP5LP0LqVFP8LPVF. PVFPq! \_Z4 TFP\_)q\_5qZ\_! \* GF ZMH HFCZ DFICIT VIWSFZL VG[ . PRFP GFI A XCZ IJSF; VIWSFZL  
DWI :Y XCZ IJSF; G[TANL, SZJFDA VFJ[ P H[ GR8LP0LPV! \$! TFPZq\_5qZ\_! \* GF ZMH ZENZhMG G[TANL, SZJFDA VFJ[  
H[ V+GF hMG[G[TFPZ\$q\_5qZ\_! \* GF ZMH D/[ P HGF VG]; WFG[ HFCZ DFICIT VIWSFZL VG[ QP. HGZ TZOYL 5+GR J[ 8hMG  
VFP8LPVF. ; [ q#Z! TFP! 5q\_&qZ\_! \* YL IGIT ; DI VJIW DFAp5ZMST IJ0FI DFA H6FJ[ AFAT[ VZHNFZ[ DFU[ DFICIT  
+FICT jI IST GL ID, ST ; \AIWT CMI H[ VgJ[ VFP8LPVF. V\$8vZ\_\_54 VgJ[ S, Ds! ! f GL SFI "JFCL SZJFDA VFJ[ P H[  
VgJ[ ID, STNFZ[TFPZ\$q\_\*qZ\_! \* YL 5MTFGL ID, STGL DFICIT VF5JFGM . gSFZ SZ[ P VZHNFZ[ TFP! 5q\_\*qZ\_! \* GF ZMH  
TFP! 5q\_\*qZ\_! \* GF ZMHGF IG6I "YL GFZFH Y. 5YD ; tTFIWSFZLG[ ; \AIWTL V5L ; |8, hMG GFUZLS ; ]JWF S|N| BFT[  
SZJFDA VFJ[ P H[ ; IP; IP; IP|h|p|VFP8 GR(Z TFP! 5q\_\*qZ\_! \* YL V+GF hMG G[TANL, SZJFDA VFJ[ P H[ V+GF hMG G[  
TFP! \*q\_\*qZ\_! \* GF ZMH D/[ P 5ZT] V+GF J[ 8hMG GF HFCZ DFICIT VIWSFZL TZOYL VZHNFZ G[CSLST, 1FL DFICIT 5ZL  
5F0JFDA VFJ[ Kp HML V+ML V5L, VZHL VU[SM. SFI "JFCL SZJFGL ZC|TL GYLP

oCSDo

VZHNFZGL TFP\_! q\_5qZ\_! \* YL DFUJFDFV FJ, CSLST, 1FL DFICIT4 HFCZ DFICIT VIWSFZL TZOYL 5ZL 5F0JFDFV FJ, CMI P V5L, VZHL VU[JW]SM, SFI JFCL SZJFGL ZC[TL G CMI P V5L, VZHL GMIGSF, SZJFDFV FJ[KP

SOLVING, f

GRJ[8 hNGqVFZP8LPVF. PgGR  
TFZLBov v vZ\_! \*P

Vßl. B Vßl. Z VG|  
SFI 5F, S. HGßs5lZD hFGvZFNZf  
; ZT DCFGUZ5Fl, SFP

5|T4

s! f HFCZ DFICTL VIWSFZL VG[0%] BL. HGZsXCZ IJSF; fsJ:8 hMGf HF6 TYF VD, ; FZ

sZf zL OMHLI F VbTZ XZL04

s#f T[MGL V5l, VZHL VU[p5ZGL IJUT[GACSD WJFZF SZJFDAVFEJ[ IGSF, ; AA HF6 ; F-P



OLPVFZPUMIC,  
V[5], B VMOL; Z VG  
SFI 5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ] ZPNZ ZMO4; ]T v #) 5 \_\_) P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP~~SMC/WZ/FAP/GP#\$/Z\_!~~ \*  
TFP! (v\_\*vZ\_! \*

VZHNZ ovzL ISXMZ SPI; U,  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zL V|GP5LPXFC sXCZ IJSF; fsJ; 8 hMGf  
OZL FNGL CSLST ov VZHNZ GL J; 8hMG VF. POLPGR Z\_4TFP! 5q\_&q! \* GL DFICIT VZHL YL TFZ\*q\_#q! \* GF  
ZMH VZHL SZFI F AFN ZFNZ UFDT / IJ:TFZ DFAS, SB, F AFBSFD YI FKp TYF SB, F AFBSFD  
UZSFN N; Z KPVG[SB, F AFBSFD GL 5ZIDXG , LW, Kp HJL DNF GR ! YL & VUJGL DFICIT DFUTL VZHL V+GF J; 8hMG BFT[  
SZJFDAVFEJ, P

; NEbv VZHNZGL TFP! (q\_\*qZ\_! \* YL V5L, GP~~SMC/WZ/FAP/#\$/Z\_!~~ \*v! (

GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S| VZHNZGL TFP ! 5q\_&qZ\_! \* GL VZHL YL TFZLB  
Z\*q\_#qZ\_! \* GF ZMH VZHL SZFI F AFN ZFNZ UFDT / IJ:TFZDFAS, SB, F AFBSFD YI FKp TYF SB, F AFBSFD  
UZSFN N; Z KPVG[SB, F AFBSFD GL 5ZIDXG , LW, Kp HJL DNF GR ! YL & VUJGL DFICIT DFUTL VZHL V+GF J; 8hMG BFT[  
SZJFDAVFEJ, P

VZHNZ GL ; NZ VZHL AFAT[ HFCZ DFICIT VI3SFZL TZ0 YL DFICIT G D/TF VZHNZ[TFP ! (q\_\*qZ\_! \*  
GF ZMH V5L, VI3SFZL ZFNZ hMG G| VZHL ZH] SI F GF #\_ INJ; VNZ SM. IG61 D/I GYL H6FJL 5YD V5L, VZHL  
SZJFDAVFEJ, P V5L, NZdI FG HFCZ DFICIT VI3SFZL TZ0 YL VZHNZG[5+ GRJ; 8hMG PVFZP8LPVF. q\$(5 TFPZ\$q\_\*qZ\_! \*  
YL DNF GR ! VG[Z VUJDFU, DFICIT 5fGMTZL ~5[CMI H| VFZP8LPVF. V\$8vZ\_54 VTUT VFJTL GYLPDNF GR # VUJDFU  
DHA GL DFICIT V+GL SRZL GL HGZBp DFICIT GYL HYL V+GL SRZLGF IJEFU G|, FU] 50TL GYLP DNFG GR \$ VG[5  
VUJDFUJFDAVFEJ, DFICIT IJ:TT Kp HYL ID<ST GAZ H6FJ| YL DFICIT VF5L XSFI P H| FZ| DNFGP & VUJVFZP8LPVF.  
V\$8vZ\_5 VTUT p5, aW DFICIT VF5JFGL CMI Kp SFZ6MS[HJFAM VF5JFGF YTF GYL VPM5|I|TZ 5F9JJFDAVFEJ, P H|  
VUJGLR[DHA GMCSDF SZL V5L, GMGSF, SZJFDAVFEJ[K]

CSD

VZHNZGL TFP! 5q\_&qZ\_! \* GL VZHL YL DFUJFDAVFEJ, DFICIT IGI T ; DI VJI3AFN HFCZ DFICIT  
VI3SFZL VG[ 0%. HGZ TZ0 YL 5+ GR VFZP8LP VF. ; | P \$(5 TFPZ\$q\_\*qZ\_! \* M15|I|TZ 5F9JJFDAVFEJ,  
DNFGP\$VG[ I; JFJ GLDFICITLVFZP8LPVF. PV\$8vZ\_5 VTUT VFJTL GYL VZHNZWJFZID<ST GAZ H^FJ|  
YLPDNFGP\$VG[ VUJGLDFICITLIJGFJ| 5ZL5F0JF HFCZDFICITLVWSFZL G|H6FJL V|P

VF5 p5ZGF IG61 YL GFZH YI | CMI 4TMUHZFT DFICITL VF1 MU4 SD1 MUL EJG4 a, MS GR! 4 ALHMDF/4 IGDF6 EJGGI 5FK/4  
; \$8Zv! \_vV|UFWLGUZG(INGV) \_DFV|ALHL V5L, SZL XSXMP

sOLPVFZPUMIC, f  
V[5], B VFO; Z VG[  
SFI 5F, S . HGZs5IzD hFGvZFNZf  
; ]T DCFGUZ5FI, SF

5|T4  
s! f ISXMZ SPI; U, 4 ; lV \*\_4  
sZf HFCZ DFICITL VIWSFZL VG[0%]BL . HGZ V|GP5LPXFCs5|`RDhMGfsXCZ IJSF; IJEFUfPPPH6 TYF VD, DF8P  
s#f DNNPHFCZ DFICITL VIWSFZL VF; IP. HGZ zL VG[H]. HGZs5|`RD hMGvZFNZf sXCZ IJSF; IJEFUfPPP



OLPVFZPUMIC,  
V|5|, 8 VMIOL; Z VG[  
SFI '5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ] ZFNZ ZM04; JZT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/G#5qZ\_! \*  
TFPZ\$V\_\*vZ\_! \*

VZHNZ ovzL ZDIX SP HFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG|. PRFP OM| BL . HGZv DLTAAG UFWLPSXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov

IJOFI ov VZHNZ GL J: 8hMG VF. POLPGR! ) #4 TFP\_) q\_&qZ\_! \* GL VZHL YL 8IP5LP! ZsV0FH6f  
VPP5LP! 5\$ 5\$%, MBGR ALq! YL \$ GF ; A %, MBGR VP DFYI[, XUG :SJZ JF/L ID<ST  
GL DNF GR ! YL 5 VUGL DFICIT AFATP

; NEbv VZHNZGL TFPZ\$q\_\*qZ\_! \* YL V5L, GRSMC/WZ/FAP/#5qZ\_! \*v! (   
GL 5YD V5L, AFATP

p5ZMST IJOFI VG| ; NE" AFAT[ H6FJJFG] S| VZHNZGL TFP\_) q\_&qZ\_! \* GL VZHL YL 8IP5LP  
! ZsV0FH6f4VPP5LP! 5\$45\$% , MB GRALq! YL \$ 4GF ; A %, MBGR VP DFYI[, XUG :SJZ JF/L ID<STGF UFpg0 0, MZ JF/F  
5FISU GL Hui FDFAGFJ| N\$FGM G[ ; L, SZJF VU[prR VIWSFZL NFZ SZJFDA VFJ| VFN|X5+GL GS, HJL DNFGF ! YL 5  
VUGL DFICIT DFUTL VZHL V+GF J: 8hMG BFT[SZJFDA VFJ| P HGF VG]; WFGDFAHFCZ DFICIT VIWSFZL VG|OP. HGZ TZOL  
IGI T ; DI VJW DA 5+GRJ: 8hMG VFZP8LPVF. ; | q! &4 TFP\_\$q\_\*qZ\_! \* YL DFuI F DHA GL DFICIT +FICT jI IST GL  
ID, ST ; AIWT Kp HYL VFZP8LPVF. V\$8v Z\_5 GF IGI DMG; FZ S, Dv! ! GL SFI "JFCL SIF AFN IGI DMG; FZ GL DFICIT  
VF5L XSFXP VJM 5|I|TZ 5F9JJFDA VFJ| PVZHNZ| TFPZ) q\_\*qZ\_! \* GF ZMH DFUJFDA VFJ| DFICIT4 ZFHI DFICIT  
SIDXGZL GF CSD DFISM. 56 ID, STDRAU[ZSI N| Z AFWSFD YI[, CMI TMT|ID, STGL DFICIT +FICT 51FSZ GL U6LG|. gSFZ  
G SZL XSFI P T[VU|VFN|X VF5| Kp T[HMTF ; JF, JF/L ID, STDRA56 U[ZSI N| Z AFWSFD YI[, Kp TYL TDA56 S, Dv! !  
GL SFI "JFCL SIF IJGF DFICIT 5ZL 5F0JF 5YD V5L, SZ| Kp VZHNZ NFZ ZFHI DFICIT SIDXGZ GF CSDGL GS, M ; FD|  
SZ| Kp

CSD

VZHNZGL TFP\_) q\_&qZ\_! \* GL VZHL YL DFUJFDA VFJ| DFICTL VZHNZGL INGV\* DFCSLT, 1FL p5, aW DFICIT  
VFZP8LPVF. V\$8 GL S, D \*s#f VG|IGI Dv5 DHA 5ZL 5F0JF HFCZ DFICIT VIWSFZL G| H6FJFDA VFJ| Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

SOLOVZPUMIC, f  
V|5|, 8 V|0: Z VG[  
SFI '5F, S . HGZs5IzD hFGvZFNZf  
; JZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG|. PRFP OM| BL . HGZv DLTAAG UFWLPS5I` RDhMGfsXCZ IJSF; IJEFUFPPPHF6 TYF  
VD, DF8P  
sZf DNNPHFCZ DFICTL VIWSFZL VF; IP. HGZzL VG|HP. HGZs5I` RD hMGvZFNZf sXCZ IJSF; IJEFUFPPPHF6  
HF6 TYF VD, DF8P  
s#f zl ZDIX SP HFUL04



OLPV/FZPUMIC,  
V[5], 8 VMO; Z VG[  
SFI '5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ] ZFNZ ZMO4; JT v #) 5 \_\_\_\_ ) P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP#&qZ\_! \*  
TFPZ\$V\_\*vZ\_! \*

VZHNZ ovzL ZDX SP HFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[. PRFP OMI BL . HGZv DLTFAG UFWLPSXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov

IJOFI ov VZHNZ GL J: 8hMG VF. POLPGRZ\_( TFP! &q\_&qZ\_! \*s; b8I, hMG ; LJS ; b8Z  
VF. POLPGR5554 TFP! 5q\_&qZ\_! \* GL VZHL YL 8LP5LP! Z4 VDP5LP! 5\$ %, MBGR Alq! YL  
Alq\$ GF ; A %, MBGR Vp DRYI[, XUG : SJZ JF/L ID<STDADNF GR ! YL 5 VUGL DFICIT  
AFATP

; NEbv VZHNZGL TFPZ\$q\_\*qZ\_! \* YL V5L, GPSMC/WZ/FAP/#&qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNZGL TFP! &q\_&qZ\_! \* GL VZHL YL 8LP5LP!  
! ZsV0FH6f4VDP5LP! 5\$4 %, MB GRALq! YL Alq\$ 4 GF ; A %, MBGR Vp DRYI[, XUG : SJZ JF/L ID<STDADNF GR ! YL 5  
VUGL DFICIT DFUTL VZHL ; b8I, hMG I; LJS ; b8Z BFT[ SJFDR VFJ[, PH[ ; IP; IP; LhDqVFZP8LPVF. ; [ VFPGR 555  
TFP! &q\_&qZ\_! \* GF ZMH V+GF hMGG[TANL, SZJFDR VFJ[, P VZHNZGL ; NZ VZHL AFAT[ HFCZ DFICIT VIWSFZL TZOYL  
DFICIT G D/TF VZHNZ[TFPZ\$q\_\*qZ\_! \* GF ZMH V5L, VIWSFZL VG[SFI '5F, S . HGZzL J: 8hMG GIGI T ; DI DI INFDFAS[  
AFNDHFCZ DFICIT VIWSFZL N[ ZF DFICIT 5ZL 5F0JFDR VFJTF IGIDNG; FZ IJGFDk[ DFICIT D/JJF 5YD V5L, SZJFDR  
VFJ[, P V5L, NZdI FG HFCZ DFICIT VIWSFZL TZOYL VZHNZG[5+GR J: 8hMGqVFZP8LPVF. ; [ q 5ZZ4 TFPZ)q\_\*qZ\_! \* YL  
GS, M ; ICTGL DFICIT NOTZL p5, aW CSLST, 1FL DFICIT VFZP8LPVF. SFI NFGL HMUJF. DHA S, Dv\*s&f C9/ IJGFDk[  
DFICIT 5ZL 5F0JFDR VFJ[, Kp VFYL VZHNZG[ DFICIT 5ZL 50FI U. CMI P V5L, VZHL VU[ SM. IJXPF SFI "JFCL SZJFGL  
ZC[TL GYIP

CSD

VZHNZGL TFP! 5q\_&qZ\_! \* GL VZHL YL DFUJFDR VFJ[, DFICTL HFCZ DFICIT VIWSFZL TZOYL VZHNZG[ VFZP8LPVF.  
SFI NFGL S, Dv\*s&f C9/ IJGFDk[ 5ZL 5F0JFDR VFJ[, P V5L, VZHL VU[ SM. SFI "JFCL SZJFGL ZC[TL G CMI 4 V5L,  
VZHLGMIGSF, SZJFDR VFJ[ Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*p

SOLPV/FZPUMIC, f  
V[5], 8 VMO; Z VG[  
SFI '5F, S . HGZs5IZD hFGvZFNZf  
; JT DCFGUZ5FI, SF

5|T4  
S! f HFCZ DFICTL VIWSFZL VG[. PRFP OMI BL . HGZv DLTFAG UFWLPS5I` RDhMGfsXCZ IJSF; IJEFUFPPPHF6 TYF  
VD, DF8P

SZf DNPHFCZ DFICTL VIWSFZL VF; IP. HGZzL VG[H]. HGZs5I` RD hMGvZFNZf sXCZ IJSF; IJEFUFPPPHF6  
HF6 TYF VD, DF8P

#f zL ZDX SP HFUL04



OLPVFZPUMIC,  
V[5], 8 VMO; Z VG[  
SFI '5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ] ZFNZ ZMO4; JT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP#\*qZ\_! \*  
TFPZ) v\_\*vZ\_! \*

VZHNZ ovzL ZDX SP HFUL0

; FDFJF/F ovHFCZ DFICTL VIWSZL VG[0%]BL . HGZvVGP5LPXFCsXCZ IJSF; fsJ: 8 hMGf  
OZL FNGL CSLST ov

IJOFI ovVZHNZGLJ: 8hMGVF. POLPGZZ\*4 TFPZ\*qZ\_! \* GL VZHL YI 8LP5LP:SLDGP(s5F, G5MZF  
VDP5LP5! DFVJF; ITSFZFD; M; FI 8LIJEFUVZ DFYI, XF/FGFAFWSDVU GL DNF GR  
! YI # VUJGL DFICIT AFATP

; NEbv VZHNZGL TFPZ) q\_\*qZ\_! \* YI V5L, GRSMC/WZ/FAP/#\*qZ\_! \*v! ( GL 5YD V5L, AFATP

p5MST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNZGL TFZ\*qZ\_! \* GL VZHL YI  
8LP5LP:SLDGP(s5F, G5MZF VDP5LP5! DFVJF; ITSFZFD; M; FI 8LIJEFUVZ DFYI, XF/FGFAFWSDVU DF8[VF5JFDA VEJF,  
IJSF; 5ZJFGUL GL GS, TYFDH% GS, FG GL hZMF GS, HJL DNFGR ! YI # VUJGL DFICIT DFUTL VZHL V+GF J: 8hMG BFT[  
SZJFDA VFJF HGF VG]; WFGDA HFCZ DFICIT VIWSZL VG[0%. HGZ TZOYL 5+GRJ: 8hMG VFZP8LPVF. ; , q5! \*4  
TFPZ(q\_\*qZ\_! \* YI DFWIF DHA GL DFICIT +FICT ji IST GL ID, ST ; AIWT Kp HML VFZP8LPVF. V\$8v Z\_5 GF  
IGI DMG; FZ S, Dv! ! GL SFI JFCL SZJF DA VFJF Kp H56"YI YI IGIDMG; FZ GL DFICIT VF5L XSFXP VJM 5|T|TZ IGIT  
; DI VJIWAFN5F9JJFDA VFJF

VZHNZ GL; NZVZHLAFAT[ HFCZDFICTL VIWSZL TZ0 YI IGIT; DI DI FNFDI S[ AFN HFCZDFICTL VIWSZL wJZFF  
DFICTL 5ZL 5F0JF GVJTF IGIDMG; FZI JGFDK[ DFICTL D/JF TFPZ) q\_\*qZ\_! \* GF ZMH V5L, tTFIWSZL J: 8hMG G[  
5YD V5L, SZ, Kp

ZFH1 DFICIT SIDXGZL GF C\$D DASMI 56 ID, STDAU[ZSFN]N; Z AFWSFD YI, CMI TMT[ID, STGL DFICIT +FICT  
51FSZ GL U6LG[. gSFZ G SZL XSFIP T[VU[VFNX VF5], Kp T[HMTE; JF, JF/L ID, STDA56 U[ZSFN]N; Z AFWSFD YI,  
KpVZHNZwJZFP\_#q\_(! \* GF5+ YI ZFH1 DFICIT SIDXGZ GF C\$DGL GS, M; FD, SZ, Kp

ov C\$Dv0

VZHNZGL TFPZ\*qZ\_! \* GL VZHL YI DFUJFDA VFJF DFICTL VZHNZG INGV\* DF CSLST, 1FL p5, aW DFICIT  
IJGFDK[ 5ZL 5F0JF HFCZ DFICIT VIWSZL G[ H6FJFDA VFJF Kp

VF5 p5ZGF IG6! YI GFZFH YI, CMI 4TMUHZFT DFICTL VFIMJ4 SDI MUL EJG4 a, MS GR! 4 ALHMDF/4 IGDF6EJGGI 5FK/4  
; \$8Zv! \_vVUFWLGZG[INGV)\_DRALHL V5L, SZL XSXMP

SOLPVFZPUMIC, f  
V[5], 8 VFO; Z VG[  
SFI '5F, S . HGZs5IZD hFGvZFNZf  
; JT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSZL VG[0%]BL . HGZvVGP5LPXFCP s5I RDhMGfsXCZ IJSF; IJEFUFPPPH6 TYF  
VD, DF8P  
SZF DNNPHFCZ DFICTL VIWSZL VF; IP. HGZL VG[HP. HGZs5I RD hMGvZFNZf sXCZ IJSF; IJEFUFPPPP  
HF6 TYF VD, DF8P  
s#f zl ZDX SP HFUL04



OLPVFZPUMIC,  
V|5|, 8 VMO; Z VG[  
SFI '5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ] ZFNZ ZMO4; JZT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP#(qZ\_! \*  
TFP\_! v\_(vZ\_! \*

VZHNFZ ovzL VIG, EF. NFpNEF. J6SZ  
; FDFJF/F ovHFCZ DFICTL VIWSZL VG[0%]BL . HGZv V|GP5LPXFC sXCZ IJSF; fsJ: 8 hMGf  
OZL FNGL CSLST ov

IJOFI ov VZHNFZGL J: 8 hMG VF. POLP GR ! ! \$) 4 TFP ! \* q\_#qZ\_! \* GL VZHLYL %, MB GR  
Z\$#vZ\$\$ GJ; HG ICgNL 5F9XF/F VU[D]F GR ! YL \* GL DFICTL AFATP  
; NEbv VZHNFZGL TFP\_! q\_(qZ\_! \* YL V5L, GPSMC/WZ/FAP/#(/Z\_! \*v! (  
GL 5YD V5L, AFATP

p5ZMST IJOFI VG[ ; NE" AFAT[ H6FJJFG]S[VZHNFZGL TFP Z! q\_&qZ\_! \* GF ZMH %, MB GR Z\$#vZ\$\$  
GJ; HG ICgNL 5F9XF/F S06 SH ; M FI 8L4 XZL GR ! ! 4 5F, G5Z HSFTGFSF VUGL L DFICTL DFUTL V+GF ZANZ hMG BFT[  
SZJFDAVFEJ, P

VZHNFZGL ; NZ VZHL AFAT[ HFCZ DFICTL VIWSZL TZOYL SM. DFICTL VF5L GYL4 VP H6FJL TFP  
\_! q\_(qZ\_! \* GF ZMH V5L, ; qFIWSZL G[; XAWTL 5YD VZHL ZANZ hMG G[SZJFDAVFEJ, 4 VFZP8LPVF. V\$8GL TL S, D  
\*s! f C9/ VZHNFZG[#\_ INJ; DF DFICTL 5ZL 5F0JFGL CMI Kp HFCZ DFICTL VIWSZL TZOYL VZHNFZG[ SM. 5t1JTZ  
5F9JJFDAVFEJ, GYL4 HYL DFUJFDAVFEJ, DFICTL VZHNFZG[IJGF DkI [5ZL 5F0JFGL ZC[Kp  
CSD

VZHNFZGL TFPZ! q\_&qZ\_! \* GL VZHLYL DFUJFDAVFEJ, DFICTL HFCZ DFICTL VIWSZL TZOYL 5ZL 5F0JFDA  
VFEJ, G CMI 4 H [DFICTL VZHNFZG[VFZP8LPVF. V\$8GL S, D \*s&f C9/ IJGF DkI [ INGV \* DF 5ZL 5F0JF HFCZ DFICTL  
VIWSZLG[H6FJJFDAVFEJ[Kp

VF5 p5ZGF IG61YL GFZF H YI[ CMI 4TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGI 5FK/4 ; S8Zv! \_vV#UFWGUZG[INGV)\_DFALHL V5L, SZL XSXMP

sOPVZPUMIC, f  
GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P  
SF1'5F, S . HGZs5IzD hfgvZANZf  
; JZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSZL VG[0%]BL . HGZv V|GP5LPXFC s5I` RDhMGfsXCZ IJSF; IJEFUFPPPH6 TYF  
VD, DF8P  
sZf DNNPHFCZ DFICTL VIWSZL VF; IP. HGZzL VG[H]. HGZs5I` RD hMGvZANZf sXCZ IJSF; IJEFUFPPPP  
HF6 TYF VD, DF8P  
s#f zlVIG, EF. NFpNEF. J6SZ4



OLPVFZPUMIC,  
V|5|, 8 V|0; Z VG[  
SFI 5F, S . HGZ



; |ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPPAF, F; FCIA NJZ; ZM04 TFOJFOL4  
gI ] ZFNZ ZM04; |ZT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP#) qZ\_! \*  
TFP\_5v\_(vZ\_! \*

VZHNZ ovzL ZDX SP HFUL0

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[. PRFP 0%I 8L . HGZv DLTFAG UFWLPSXCZ IJSF; fsJ: 8 hMGf  
OZL FNGL CSLST ov

IJOFI ov VZHNZ GL J: 8hMG VF. POLPGR! \*Z TFP\_Zq\_&qZ\_! \* GL VZHL YL 8LP5IP! \_sV0FH6f  
OP%, MB GR(\_ DFVFE, VBO VFGN ; M; FI 8L GRK, FDHZ , VVfp8 %, FG GL GS, HJL DNF GR ! YL 5 GL DFICIT AFATP  
; NEbv VZHNZGL TFP\_5q\_(qZ\_! \* YL V5L, GRSMC/WZ/FAP/#) qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNZGL TFP\_Zq\_&qZ\_! \* GL VZHL YL 8LP5IP  
! \_sV0FH6f4 OP%, MB GR (\_4 DAVFJ, VBO VFGN ; M; FI 8L GRK, FDHZ , VVfp8 %, FG GL GS, HJL DNF GR ! YL 5  
VUJL DFICIT DFUTL VZHL V+GF J: 8hMG BFT[SZJFDAVFEJ, P HGF VG]; WFG[V+GFHFCZ DFICIT VIWSFZL TZ0 YL 5+ GR  
J: 8 hMGq VFZP 8LPVF. P; [ q#\$) 4 TFP ! )q\_&qZ\_! \* YL DNF GR ! VU[GF6AEZL DFICIT D/JJF 5; TFJ SZ, P HIFZ(DNF  
GR Z YL 5 VUJL DFICIT V+GF ZSMO"p5Z p5, AWgFYL VJPM 5|I|TZ 5F9JFDAVFEJ, P H[VU[VZHNZ]TFP\_5q\_(qZ\_! \* GF  
ZMH V5L, VIWSFZL J: 8hMG GIGIT ; DI DI FNDFDFICIT GL GS, M5ZL 5F0JFDAG VFJTF IJGFDKI [DFICIT GL DFU6L SZ,  
K, VFZP8LPVF. SFI NF GL S, D v \*s#F VG[IGI Dv5 DHA VZHNZG[INGV#\_ DF VZHNZG[GF6AEZ5F. SZL T[Z  
DFICITGL GS, M5ZL 5F0JL HM. VP ; NZ IS:; FDA VZHNZ]TFP\*q\_&qZ\_! \* GF ZMH GF6F EZ5F. SZL F CMU KTF HFCZ  
DFICIT VIWSFZL TZ0 YL SM. DFICIT VZHNZG[GCL D/L CMUGL V5L, TAAS[ZHMFT SZ, K, H[VIT UELZ AFAT K,

CSD

VZHNZGL TFP\_Zq\_&qZ\_! \* GL VZHL YL DFUJFDAVFEJ, DFICTL ; NE"VZHNZ]TFP Z\*q\_&qZ\_! \* GF ZMH  
DFUJ, DFICITGF GF6AEZ5F. SZL CMU 4 ; NZ DFICTL VZHNZG[TFtSFI, S 5ZL 5F0J TYF T[ AFAT[H~ZL TSNFZL ZFBJF HFCZ  
DFICTL VIWSFZLG[; ]RT SZJFDAVFEJ[KP

SOLPVFZPUMIC, f  
V|5|, 8 V|0; Z VG[  
SFI 5F, S . HGZs5IZD hFGvZFNZf  
; |ZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[. PRFP 0%I 8L . HGZv DLTFAG UFWLPS5I RDhMGfsXCZ IJSF; IJEFUFPPPHF6 TYF  
VD, DF8P  
sZf DNNPHFCZ DFICTL VIWSFZL VF; IP. HGZL VG[HP. HGZs5I RD hMGvZFNZf sXCZ IJSF; IJEFUFPPPP  
HF6 TYF VD, DF8P  
s#f zl ZDX SP HFUL04



OLPVFZPUMIC,  
V[5], B VMOL; Z VG  
SFI 5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ] ZPNZ ZM04; JZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP\$MC/WZ/FAP/GP\$\_qZ\_! \*  
TFP! &v\_(vZ\_! \*

VZHNZ ovZL ; HI DCZP  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv VGP5LPXFC sXCZ IJSF; fsJ: 8 hMGf  
OZL FNGL CSLST ov

IJOFI ov VZHNZGL J: 8 hMG VF. POLP GR Z5\$4 TFP \_#q\_\*qZ\_! \*SDWI : Y SRZL  
VF. POLPGR) 5(q! \*4 TFPZZq\_\*qZ\_! \*f GL VZHL YL GJ; HG :S, GF :8SRZ GF %, FGGL  
SM5L HJF DNF GR A YL H VUJL DFICIT AFATP  
; NEbv VZHNZGL TFP! &q\_(qZ\_! \* YL V5L, GR\$MC/WZ/FAP /\$/\_Z\_! \*v! (

GL 5YD V5L, AFATP

p5ZMST IJOFI VG; NE"AFAT[H6FJJFG]S[VZHNZ NFZ TFPZZq\_\*qZ\_! \* GF ZMH HFCZ DFICIT VIWSFZL  
VG[DNNGLX RZL8L SIDXGZL4 sZf IH<, FIX1F6 VIWSFZLZL4 s#f dI ]GI; 5, SIDXGZL4 G; YMWTL GJ; HG :S, GL DNFGR  
A TO H GL DFICIT DFUTL VZHL S, \$8Z SRZL 5LPVZPVM XFBFDF SZJFDA VFJ, P H[ DWI : Y SRZL TZOYL GR; LP  
VFZP8LPVF. q! Z\_4 TFP#\_q\_\*qZ\_! \* GF ZMH p5XF; GF VIWSFZL4 GUZ 5FYIDS IX1F6 ; IDIT TYF V+GF hMGG[TANL, SZ, P  
H[TFP#q\_\*qZ\_! \* GF ZMH V+GF hMGG[D/, P

p5ZMST AFAT[VZHNZ NFZ TFP\_Zq\_(qZ\_! \* GF ZMH S, \$8Z SRZL 5LPVZPVM XFBFDF 5YD V5L, SZJFDA  
VFJ, P H[ DWI : Y SRZL NFZ TFP ! \$q\_(qZ\_! \* GF ZMH TANL, SZ, P H[ V+GF hMGG[TFP! &q\_(qZ\_! \* GF ZMH D/, P  
VZHNZ[IGI T ; DI UF/MINGv#\_ YL JW; DI UF/MYJF KTF SM. DFICIT VF5JFDA VFJ, GYLP DFICIT VIWSFZ VIWIGI Dv  
Z\_5 GL S, D \*s&f C9/ INGv \* DFVJGFDkI [DFICIT D/JJF DFU6L SZ, Kp H[VFZP8LPVF. V\$8GL S, Dv\*s! f C9/  
VZHNZG[#\_ INJ; DFDFICIT 5ZL 5F0JFGL HMJJF. Kp V+GF SFI 1F+ C9/ GL DFICIT HFCZ DFICIT VIWSFZL V[5ZL 5F0J  
GYLP TYL VZHNZ[DFU, L DFICIT IJGFDkI [5ZL 5F0JFGL ZCP

CJSD

VZHNZGL TFPZZq\_\*qZ\_! \* GL VZHL YL DFUJFDA VFJ, DFICTL HFCZ DFICIT VIWSFZL TZOYL 5ZL  
5F0JFDA VFJ, G CMI 4 H [DFICTL VZHNZG[VFZP8LPVF. V\$8GL S, D \*s&f C9/ IJGF DkI [INGv \* DFV5ZL 5F0JF HFCZ  
DFICIT VIWSFZLG[H6FJJFDA VFJ[Kp

VF5 p5ZGF IG61YL GFZFH YI, CMI 4TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGI 5FK/4 ; \$8Zv! \_vV#UFWLGUZG(INGv)\_DFVJH V5L, SZL XSXMP

sOPVZPUMIC, f  
V5, B VFO; Z VG  
SFI 5F, S . HGZs5IZD hFGvZFNZF  
; JZT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICIT VIWSFZL VG[0%]BL . HGZv VGP5LPXFC s5I RDhMGfsXCZ IJSF; IJEFUFPPPH6 TYF

VD, DF8P

sZf DNNPHFCZ DFICIT VIWSFZL VF; LP. HGZL VG[H]. HGZs5I RD hMGvZFNZF sXCZ IJSF; IJEFUFPPPH6

H6 TYF VD, DF8P

S#f ZL ; HI DCZP 4

V5L, VZHL GPSMC/WZ/FAP/GP\$! qZ\_! \*  
TFP! (v\_\*vZ\_! \*

VZHNFZ ovzL VFhFN DMPZLhJFG VaN], ZA  
; FDFJF/F ovHFCZ DFICL VIWSFZL VG[5; MG], VMIO; Z sDC\$D IJEFUfs5I` RDhMGf  
OZLI FNGL CSLST ovVZHNFZ GL J[8hMG VF. POLPGR#\_#s; j8], hMG ; LJS ; j8Z VF. POLPGR(! (   
sTP! \$q\_\*qZ\_! \*f VZHL YL ; JT DCFGUZ 5FI, SF DFOZH AHFJTF SDRFZL GL AN, L HJF  
DNF GR! YL ! 5 YL DFICIT DFUTL VZHL AFATP

; NE"ov VZHNFZGL DV VF. POLPGR (! ( TFP! \$q\_\*qZ\_! \* VgJI [GL TFP! (q\_(q! \* GL **SMC/WZ/FAP/**  
\$! qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[ ; NE AFAT[ H6FJFG] S[ VZHNFZ wJZF ; JT DCFGUZ 5FI, SFDA OZH  
AHFJTF SDRFZL VNGL AN, L HJF DNF GR! YL ! 5 AFAT[ VF. POLPGR(! ( TFP! \$q\_\*qZ\_! \* GF ZMH DFICIT DFUTL VZHL  
HFCZ DFICIT VIWSFZL ; j8], hMG G[ ; AMNTL VZHL ; j8], hMG ; LJS ; j8Z BFT[ SZJFDA VFJ, P H[  
; LP; LP; LhpqVFZP8LPVF. qVfp8q(! ( TFP! \*q\_\*qZ\_! \* YL HFCZ DFICIT VIWSFZL VG[QPUFOG ; ]58j0g84 HFCZ DFICIT  
VIWSFZL VG[ ; SXG VMIO; Z Dwl :Y DCSD4 HFCZ DFICIT VIWSFZL VG[5; MG], VMIO; Z TDFD hMGG[TANL, SZJFDA VFJ, P  
H[V+GF hMGG[ TFP! (q\_\*qZ\_! \* GF ZMH D/[ P HGF VG]; WFG[V+YL HFCZ DFICIT VIWSFZL VG[5; MG], VMIO; Z TZOYL  
5+GRJ[8hMGqVFZP8LPVF. ; [ q5\*\* TFP! \$q\_(qZ\_! \* YL IGIT ; DI VJIW DFDNFGR Z VU[~P! ! (qv EZL DFICIT DVJJF  
TYF DNF GR (4)4! ! 4! Z VU[GL DFICIT VFZP8LPVF. V\$8 GL S, D (s! fs9f DHA 5ZL 5F0JF HMJ GYL TJM5|I JTZ 5F9JFDF  
VFJ, P VZHNFZ wJZF ; LJS ; j8Z BFT[ ; LN GR#\_#& TFP#! q\_(qZ\_! \* GF ZMH GS, RFH"; EZ, HGF VG; WFG[V+YL  
5+GRJ[8hMGqVFZP8LPVF. ; [ q&Z# TFP\$\_q\_(qZ\_! \* YL VZHNFZG[DFICIT GL GS, M5ZL 5F0JFDF VFJ, P VZHNFZ wJZF  
TFP! q\_(qZ\_! \* GF ZMH DFICIT VIWIGI DGL HMUJF. DHA GF ; DI UF/DFDSM. 56 5|TEFJ D/[ GYIP TD H6FJL  
DFPSIDXGZZL G[ ; j8], hMG ; LJS ; j8Z BFT[ 5YD V5L, SZ, P H[G HFCZ DFICIT VIWSFZL NFZ  
; LP; LP; LpC.ZONEqVfp8q! ! ( TFP! (q\_(qZ\_! \* YL SFI5F, S . HGZ UFGFBFT# VF; LPdI]GI; 5, SIDXGZZL TDFD  
hMGG[TYF 5; MG], VMIO; Z DCSD G[TANL, SZ, PH[V+GF hMGG[ TFP! (q\_(qZ\_! \* GF ZMH D/[ P

VZHNFZ wJZF SZJFDA VFJ, V5L, VZHL VgJI [DV VZHLGL GS, 4 VF5JF HMJ 5ZS DFICIT  
GL IJUTMIIJ, AqIJ; UTTFq . gSFZ CMI TM TGL :50TTF ; C 5CMRTL SZJF TYF V5L, GF DNF VU[56 TDGM 51F ZH]SZJF  
V15, B VIWSFZL VG[ VF; PSIDXGZZL wJZF GRVFZP8LPVF. ; [ q&! ! TFPZ)q\_(qZ\_! \* YL HFCZ DFICIT VIWSFZL VG[  
5; MG], VMIO; ZG[ 5+ 5F9JJFDF VFJ, P HGF VG]; WFG[HFCZ DFICIT VIWSFZL VG[5; MG], VFO; Z TZOYL  
TFP! \$q\_(qZ\_! \* GF ZMH 5+GRJ[8hMGqVFZP8LPVF. ; [ q5\*\* YL DCSD IJEFUGI , FUT DFICL VU[ VZHNFZG[  
HJFAqDFICIT 5ZL 5F0TF 5+SGL GS, ; ICT V+[5+GRVFP8LPVF. ; [ J[8hMG ! \$\_TFPZ)q\_(qZ\_! \* GF ZMHYL , IBT 51F  
ZH] SZ, P VZHNFZGL DV VZHL ; NE" DA HFCZ DFICIT VIWSFZL VG[5; MG], VMIO; Z J[8hMG wJZF  
5+GRJ[8hMGqVFZP8LPVF. ; [ q5\*\* TFP! \$q\_(qZ\_! \* GF 5+YL , FUT DNFGL VZHNFZG[ HJFAqDFICIT VF5JFDF VFJ,  
TYF N:TFJH GS, OL ~FP! ! (qv EZ5F. SZL DFICIT DVJL , JF VU[ H6FJFDF VFJ, P H[ VgJI [ VZHNFZ wJZF  
TFP#! q\_(qZ\_! \* Z; LN GAZ #\_#& YL N:TFJH OL ~FP! ! (qv EZ5F. SZL DFICIT GL GS, GU v5) J[8hMG VFp8 GR  
&Z# TFP\$\_q\_(qZ\_! \* YL :5L0 5M:8YL DMS, [ Kp

V5L, VZHL GA; NE" DA V5L, VIWSFZL VG[ VF; PSIDXGZZL J[8hMGsZFNZf GF 5+GR&! !  
TFPZ)q\_(qZ\_! \* YL VZHNFZG[ TFP\_(q\_(qZ\_! \* GF ZMH V15, B VIWSFZL VG[ VF; PSIDXGZZL J[8hMG ; D1F ~A~ DA  
VgI SM. JWI[ ZH]VFT DF8[! Z0#\_S, FS[CFHZ ZCJF H6FJJFDF VFJ, P H[ VIGJF "SFZ6M[VZHNFZ GL ; DIT DVJL ; GFJ6L  
! 50#\_S, FS[ZFBJFDF VFJ, P H[ AFAT[ VZHNFZZL ! 50#\_S, FS[CFHZ ZCJF CTF VZHNFZ[ TFP\$\_q\_(qZ\_! \* GF 5+YL  
VF5[ DFICL D/[ CMJFG] H6FJL hMGF :8FOGF DCSD Xl01], GL DFICL 38TL CMJFG] H6FJL VF5JF H6FJTA ; GFJ6L  
NZdI FG HFCZ DFICIT VIWSFZL VG[5; MG], VMIO; ZzLV[DCSD Xl01], 5+SV! 5FG] IJGF DkI[ ~A~ VF5[ K[ H[G]  
5CMR 56 VF5[ Kp HFCZ DFICIT VIWSFZL VG[5; MG]

VMO; ZZL 56 CFHZ ZC] CTF TYF V5L, TASS] ~A~ ; GFJ6L NZdI FG VZHNZGL D/ VZHL45YD V5L, VZHL GR\$!  
TFP! (qZ\_! \*4TDPH p5, aW CSLST wI FG], TTF HFCZ DFICIT VIWSZL VG[5; MG], VMO; Z GF V5L, VIWSZL TZLS[GLR]  
DHA GMCSZL 5YD V5L, GMGSF, SZJFDFVFEJ[KP

## 0CSD0

VZHNZGL TFP! \$q\_\*qZ\_! \* GL D/ VZHL TYF 5YD V5L, GR\$! TFP! (q\_(qZ\_! \* YL DFU], DFICIT 5\$Z6[  
HFCZ DFICIT VIWSZL VG[5; MG], VMO; Z wJZF 5+GR 5\*\* TFP! \$q\_(qZ\_! \* YL VZHNZG[HJFA q DFICIT VF5JFDA  
VFJ], TYF N:TFJHL OL EZ5F. SZL DFICIT D/JL, jf VU[H6FJJFDA VFJ], P H[VU[VZHNZ]GF6F TFP#! q\_(qZ\_! \* GF  
ZMH EZ5F. SZL DFICIT D/J, K] TYF TFP\_(q\_)qZ\_! \* GF ZMHYL ~A~ ; GFJ6L NZdI FG VZHNZ GL ZH\FT[ 38TL  
DFICTLGL ; GFJ6LDF~A~DCSD Xl01], GL GS, IJGFDkI[VF5JFDA VFJ], Kp VFD VZHNZGL D/ VZHLYL DFUJFDA  
VFJ], DFICTL VgJ] HFCZ DFICIT VIWSZL TZOYL VF5JFDA VFJ], HJFAqTDFD DFICTL AZFAZ H6FTL CMI TYF ; NZ  
V5L, DFGL IJUTIM[IJXPF SXJSZJFG]ZC]GYLP V5L, VZHLGMGSF, SZJFDFVFEJ[KP

VF5 p5ZGF IG61YL GFZFH YI[ CMI 4TM UHZFT DFICTL VF1MU4 SD1MUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGI 5FK/4 ; \$8Zv! \_vV]UFWLGUZG(INGv) \_DFALHL V5L, SZL XSXMP

sVpVDP ZFHf

GIJ]8 hMGqVFP8LPVF. PqGR  
TFZLBov v vZ\_! \*p

V5L, VIWSZL VG[  
VF; lpdI ]GPSIDxGzs5lzd hfGvZFNZf  
; JT DCFGUZ5fi, SP

5|T4

s! fzL VFhFN DMZLhJFG VaN], ZA4  
sZfHFCZ DFICTL VIWSZL VG[ 5; MG], VMO; Z sJ]8hMGf HF6 TYF VD, ; FZ]  
s#f ; \$XG VMO; Z sVFP8LPVF. ; | f5|TPPPPPP HF6 ; FZ]



OLPVFZPUMC,  
V[5], 8 VMOL; Z VG|  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP\$SMC/WZ/FAP/GP\$Zq Z\_! \*  
TFPZ! v\_(vZ\_! \*

VZHNFZ ovzL CZ\$06 A/JTZFI EJTJF, F

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4V|GP5LPXFCsXCZIJSF; IJEFUfs5I`RDhMG  
OZLI FNGL CSLST ov

IJOFI ovVZHNFZGL J[8 hMG VF. P0LP GR Z\$\*4 TFP#\_q\_&qZ\_! \* GL VZHL YL VZHNFZ wJFZ DFGGLI  
SF1'5F, S . HGZzI4; ]T DCFGUZ 5FI, SF 5I`RDhMG G|TFP\$\_q\_#qZ\_! \* GF ZMH VGVIWST  
AFWSFD VU[wI FG NMZTF 5+ p5Z , JF1, F 5U, F AFATP  
; NE"ov VZHNFZGL TFPZ! q\_(! \* GL SMC/WZ/FAP/\$ZqZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[ ; NE"AFAT[ H6FJJFG]S| VZHNFZ GL TFP#\_q\_&qZ\_! \* GL VZHL YL VZHNFZ wJFZ  
DFGGGLI SFI '5F, S . HGZzI4; ]T DCFGUZ 5FI, SF 5I`RDhMG G|TFP\$\_q\_#qZ\_! \* GF ZMH VGVIWST AFWSFD VU[wI FG  
NMZTF 5+ p5Z , JF1, F 5U, F GL DFICIT DFUTL VZHL V+GF J[8hMG BFT[SZJFDF]VFJ, P VZHNFZGL ; NZ VZHL AFAT[  
HFCZ DFICIT VIWSFZL TZOYL DFICIT G D/TF VZHNFZ TFPZ! q\_(! \* GF ZMH SFI '5F, S . HGZ VG| V5L, VIWSFZL  
J[8hMG(SM. 56 DFICIT S[IG6I D/[ GYL4 TJ]H6FJL 5YD V5L, VZHL SZJFDF]VFJ, PV5L, NZdI FG HFCZ DFICIT  
VIWSFZL TZOYL VZHNFZG[5+GRJ[8hMGqVFZP8LPVF. ; [ q#) TFP\_\*q\_)qZ\_! \* YL ~qv \_\$ EZL DFICIT D/JJF H6FJ, P  
VFZP8LPVF. V\$8 GL S, Dv\*s! f C9/ VZHNFZG[#\_ INJ; DFDFICIT 5ZL 5F0JFGL HUUF. Kp 5ZT#\_ INJ; AFN HMTJL  
DFICIT 5ZL 5F0JFDF]VFJ[TM VFZP8LPVF. V\$8 GL S, D \*s&f C9/ IJGFDkI[DFICIT 5ZL 5F0JFGL ZC|Kp

oCSDo

VZHNFZGL TFP#\_q\_&qZ\_! \* GL VZHL YL DFUJFDAVFJ, DFICTL VZHNFZ G|VFZP8LPVF. V\$8 GL S, Dv \*s&f  
C9/ IJGFDkI[5ZL 5F0JF HFCZ DFICIT VIWSFZL VG[0%I BL . HGZ XCZ IJSF; IJEFU G|H6FJJFDF]VFJ[Kp

sOPVZPUMC, f

GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

V[5, 8 V[0; Z VG|  
SFI '5F, S . HGZs5IzD hFGvZFNZf  
; ]T DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[0%I BL . HGZvV|GP5LPXFC s XCZ IJSF; IJEFUfsJ[8 hMGf HF6 TYF VD, ; FZ]  
sZf zL CZ\$06 A/JTZFI EJTJF, F4P  
s#f TMIGL V5L, VZHL VU[p5ZGL IJUTGRoCSD wJFZ DFGGLI SZJFDF]VFJ, IGSE, ; AA HF6 ; F-



OLPVFZPUMC,  
V[5], B VMOL; Z VG[  
SF] 5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ]ZPNZ ZMO4; ]ZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GpSMC/WZ/FAP/GP\$# qZ\_! \*  
TFPZ! v\_(vZ\_! \*

VZHNZ oVzL 15\$, 5lP3LJF/F

; FDFJF/F ov ovHFCZ DFICL VIWSZL VG[ VM, 0%I BL . HGZv sXCZIJSF; IJEFUfs5I` RDhMGf  
OZLI FNGL CSLST ov

IJOFI ovVZHNZ GL J[8 hMG VF. P0lP GR Z\*Z4 TFP! \_q\_\*qZ\_! \* GL VZHL YL ; ]ZT DCFGUZ 5FI, SF DA

CF, DAZlhJXG C9/ GF TDFD %, M8GL IJUT AFATP

; NE"ov VZHNZGL TFPZ! q\_(q! \* GL SMC/WZ/FAP/Z! qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[ ; NE"AFAT[H6FJJFG]S[VZHNZ GL TFP! \_q\_\*q! \* GL VZHL YL ; ]ZT DCFGUZ 5FI, SF  
DA, DAZlhJXG C9/ GF TDFD %, M8GL DFICIT DFUTL VZHL V+GF J[8hMG BFT[SZJFDAVFJ, P H[ZFNZhMG TZ0YL 5+GR  
J[8hMGq VFZP8LPVF. ; ]q \$5 TFP! \_q\_\*qZ\_! \* YL HFCZ DFICIT VIWSZL VG[0%I BL . HGZ TDFD hMG[TANL, SZJFDA  
VFJ, P H[ FZ[ HFCZ DFICIT VIWSZL VG[0%I BL . HGZ ZFNZ hMG TZ0YL 5+GR J[8hMG VFZP8LPVF. ; ]q 5! )  
TFPZ)q\_\*qZ\_! \* YL ; NZ DFICIT ; ]ZT DCFGUZ 5FI, SF GL JA; F. 8 5Z p5, aW YX[ VJU5t1TZ IGIT ; DI VJIWDA  
5f9JJFDAVFJ, P

; NZ VZHL AFAT[ VZHNZ wJZF TFPZ! q\_(qZ\_! \* GF ZMhV+GFhMG BFT[5YD V5L, ZH]SZJFDAVFJ,  
V+YL GRJ[8 hMGq VFZP8LPVF. P; ]q&\_\_ TFPZ#q\_(qZ\_! \* YL V5L, VIWSZL VG[SF] 5F, S . HGZ TDFD hMG TYF V5L,  
VIWSZL VG[ GFA S, S8ZzL G[ V5L, VZHL TANL, SZJFDAVFJ, P V+YL HFCZ DFICIT VIWSZL wJZF VZHNZ G[  
IGIT ; DI VJIW DA VZHNZG[DFICIT 5ZL 5F0JFDAVFJ, Kp V5L, VZHL VU[SM. IJXp SF] "JFCL SZJFGL ZC[TL GYIP

oCSD0

VZHNZGL TFP! \_q\_\*qZ\_! \* GL VZHL YL DFUJFDAVFJ, DFICL HFCZ DFICL VIWSZL VG[0%I BL . HGZ TZ0YL  
IGIT ; DI VJIW DA CSIST, 1FL DFICIT 5ZL 5F0JFDAVFJ, CM P V5L, VZHL VU[IJXp SM. SF] "JFCL SZJFGL ZC[TL GYIP  
V5L, VZHLGMGSF, SZJFDAVFJ[Kp

sOLPVFZPUMC, f

GRJ[8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

V[5], B VFO; Z VG[  
SF] 5F, S . HGZs5IZD hFGvZFNZF  
; ]ZT DCFGUZ5FI, SF

5|T4

s! f HFCZ DFICL VIWSZL VG[0%I BL. HGZs XCZIJSF; IJEFUfsJ[8 hMGf HF6 TYF VD, ; FZ]  
sZf zl 15\$, 5p, RE 3LJF/F4 ST+L ; DFWFG gI Jhf4  
s#f TMIGL V5L, VZHL VU[p5ZGL IJUT[GACSD wJZF SZJFDAVFJ, IGSE, ; AA HF6 ; F~

\



OLPVVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SF1 5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ] ZPNZ ZM04; JZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP\$SMC/WZ/FAP/GP\$\$ qZ\_! \*  
TFPZ! v\_(vZ\_! \*

VZHNFZ ovzL 15\$, 5P3LJF/F

; FDFJF/F ov ovHFCZ DFICTL VIWSFZL VG[ VM, 0%I BL . HGZv sXCZIJSF; IJEFUfs5I RDhMGf  
OZLI FNGL CSLST ov

IJOFI ovVZHNFZ GL J[8 hMG VF. P0LP GR Z#\*4 TFPZ(q\_&qZ\_! \* GL VZHL YL DFICIT VIWSFZ C9/ UZ SF1 NF; Z  
AFWSFD SZGFZG[S, Dv Z&\_ VG[Z&\*4Z&( C9/ VF5JFDFAVFJ, GMBL; GLGS, SKK, F 5FR JQFGLf HJL DNFGF ! YL ( AFATP

; NE"ov VZHNFZGL TFPZ! q\_(q! \* GL SMC/WZ/FAP/\$\$qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ GL TFPZ(q\_&q! \* GL VZHL YL DFICIT HJL DNFGF ! YL  
( VUGL DFICIT DFUTL VZHL V+GA J[8hMG BFT] SZJFDA VFJ, P HGF VG] WFG[ V+YL 5+GR J[8hMGqVFZP8LPVF.  
; l q&\_Z TFPZ#q\_(q! \* YL HFCZ DFICIT VIWSFZL VG[ 0%I BL . HGZ TDFD hMGGI TANL, SZJFDA VFJ, P HFCZ DFICIT  
VIWSFZL VG[ 0%I BL . HGZ J[8hMG TZOYL 5+GRJ[8hMGqVFZP8LPVF. ; l q\$( \_ TFPZ! q\_\*q! \* YL IGIT ; DI VJIWDA  
VZHNFZG[ DFICIT 5ZL 5F0JFDA VFJ, HDAH6FJ, S[VF5GF TZOYL DFUJFDA VFJ, DFICIT IJ:TT CMI ; NZ DFICIT DF8[  
NOTZL RSF; 6L DF8[TFPZ5q\_\*q! \* GF ZMH ; FH[\$o\_\_ S, FS[; SXG VMO; Zzl 8\$GLS, ; D1F CFHZ ZCJF p5, aW pST IJUTM  
G]NOTZL >g:5SXG SZJF H6FJ, CT[ 5ZT] VZHNFZ CFHZ ZCJ, G CT[ VZHNFZwJZF TFPZ! q\_(q! \* GF ZMH HFCZ DFICIT  
VIWSFZL TZ0 YL SM. 5JTF SZJFDA VFJ, GYL IJGFDkI DFICIT D/JJF TFPZ! q\_(q! \* GF ZMH 5YD V5L, V+GF hMG BFT]  
SZJFDA VFJ, P 5ZT] 5+GR J[8hMGqVFZP8LPVF. ; l q&\_Z TFPZ#q\_(q! \* YL V5L, VIWSFZL VG[ SF1 5F, S . HGZ TDFD  
hMG TYF 5+GRJ[8hMGqVFZP8LPVF. ; l q&Z5 TFPZ\$q\_(q! \* YL V5L, VIWSFZL VG[ Dwl :Y XCZ IJSF; VIWSFZLG[V5L,  
VZHL TANL, SZJFDA VFJ, P V+YL HFCZ DFICIT VIWSFZL VG[ 0%I BL . HGZ wJZF 5+GRJ[8hMGqVFZP8LPVF. ; l q\$( \_  
TFPZ! q\_\*q! \* YL IGIT ; DI VJIW DA TFPZ5q\_\*q! \* GF ZMH ; FH[\$o\_\_ S, FS[; SXG VMO; Z 8\$GLS, ; D1F CFHZ ZCJF  
H6FJ, P

oCSDo

VZHNFZGL TFPZ(q\_&qZ\_! \* GL VZHL YL DFUJFDA VFJ, DFICTL HFCZ DFICIT VIWSFZL VG[ 0%I BL . HGZ XCZ  
IJSF; TZ0 YL IGIT ; DI VJIWDA 5t1tZ 5F9JFDA VFJ, TDH IJ:TT DFICIT DF8[TFPZ5q\_\*q! \* GF ZMH VZHNFZG[  
>g:5SXG SZJF DF8[HF6 SZJFDA VFJ, 5ZT] VZHNFZ VFJ, GYIP HYL ALHL TS~5[VZHNFZ HM TDFD DFICIT D/JJF  
DFUTF CMI TM CSLST, 1FL DFICIT VU[HFCZ DFICIT VIWSFZL GM VUMTZM; DI D/JL ; 5S SZL , FUT Z\$OG]. g:5SXG SZL  
IMI H6FTL GS, RFHL; EZL D/JJF :JT+ Kp VG[T[AFATGL 5JTF SZJF VFYL HFCZ DFICIT VIWSFZL VG[ 0%I BL . HGZ  
XCZ IJSF; IJEFU G[H6FJJFDA VFJ[KP

sOLPVVFZPUMIC, f

GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

V5L, 8 VFI0; Z VG[  
SF1 5F, S . HGZs5IZD hFGvZFNZF  
; JZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICIT VIWSFZL VG[ VM, 0%I BL . HGZs XCZ IJSF; IJEFUfsJ[8 hMGf HF6 TYF VD, ; FZ]  
szf zl 15\$, 50k, R€ 3LJF/F4 sT+L ; DFWFG gl hf4  
s#f TMVGL V5L, VZHL VU[p5ZGL IJUTGACSD wJZF SZJFDA VFJ, IGSF, ; AA HF6 ; F~



OLPVFZPUMIC,  
V[5], 8 VMO; Z VG[  
SF1 5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZPNZF  
OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ]ZPNZ ZMO4; ]ZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP\$SMC/WZ/FAP/GP\$5qZ\_! \*  
TFPZ! v\_(vZ\_! \*

VZHNZ ovZL 15\$, 5LPWLJF/F

; FDFJF/F ovHFCZ DFICTL VIWSZL VG[ VM, 0%I 8L . HGZvsXCZIJEFUfs5I` RDhMGf  
OZLI FNGL CSLST ov

IJOFI ovVZHNZGL J[8hMG VF. POLPGZ#&4 TFPZ(q\_&qZ\_! \* GL VZHL YL KF, F 5FR JOFGL VNZ ; ]ZT  
DCFGUZ 5FI, SF wJZF p5, wW Z\$0"5Z sSM%I 8Z ZF. h SZJFDA VFJ, AFWSFDGL 5ZIDXG  
VF5JFDA VFJ, TDFD IJUT4 DFICIT GL GS, 4 ; ]ZT DCFGUZ 5FI, SF GL TDFD SRZL GL DFICIT  
; LPOLPDF VF5JF AFATP

; NE"ov VZHNZGL TFPZ! q\_(q! \* GL GP\$SMC/WZ/FAP/\$5qZ\_! \*v! ( 5YD V5L, AFATP

p5ZMST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNZ]TFPZ(q\_&qZ\_! \* GF ZMHGL VZHL YL KF, F 5FR JOFGL  
VNZ ; ]ZDCFGUZ 5FI, SF wJZF p%, AWW Z\$05ZsSM%I 8Z ZF. h SZJFDA VFJ, AFWSFD GL 5ZIDXG ; LPOLPDA TYF ; G[  
Z\_! \*vZ\_! ( GF 5M\$8LJ IO:S, MhZ4 ; L8lhG RF8GL GS, ; LOL DF DFUTL VZHL V+GRJ[8hMG BFT[ SZJFDA VFJ, P  
V+YL 5+GRJ[8hMGqVFZP8LPVF. ; [ q#) Z TFPZ(q\_&qZ\_! \* YL HFCZ DFICIT VIWSZL VG[ 5; MG[ VMIO; Z TDFD hMG4  
; PDP5FP TYF HFCZ DFICIT VIWSZL VG[; \$XG VMIO; Z R C P S, ; PDP5FP TYF HFCZ DFICIT VIWSZL VG[ 0%I 8L . HGZ  
TDFD hMG 4 ; PDP5FP G[TAIN, SZJFDA VFJ, P VZHNZGL ; NZ VZHL AFAT[ HFCZ DFICIT VIWSZL VG[ 0%I 8L . HGZ  
J[8hMG wJZF SM. 5tI]TZ 5F9JFDA G VFJTF VZHNZ wJZF TFPZ! q\_(qZ\_! \* GF ZMH SM. 5TTF SZJFDA VFJ, GYIP T[J  
H6FJL VFZP8LPVF. V\$8 DHA IJGFD]I[ DFICIT D/JJF 5YD V5L, J[8hMG BFT[ SZJFDA VFJ, P V+YL  
5+GRJ[8hMGqVFZP8LPVF. ; [ q\_&\_! TFPZ#q\_(qZ\_! \* YL V5L, VIWSZL VG[DwI:Y XCZ IJSF; VIWSZL4 DwI:Y XCZ  
IJSF; IJEFU TYF V5L, VIWSZL VG[SFI 5F, S . HGZzL TDFD hMGG[TANL, SZJFDA VFJ, P VFZP8LPVF. V\$8 GL S, D  
\*s! f CP/ VZHNZG[INGv #\_ DADFICIT 5ZL 5F0JFGL HMUJF. Kp

CSD

VZHNZGL TFPZ(q\_&qZ\_! \* GL VZHL YL DFUJFDA VFJ, DFICTL 5\$L sSM%I 8Z ZF. h SZJFDA VFJ, AFWSFD GL 5ZIDXG  
p5, aW CMI TM VJL DFICTL VFZP8LPVF. V\$8GL S, Dv\*s&f CP/ VZHNZG[5ZL 5F0JF HFCZ DFICIT VIWSZL VG[ 0%I 8L  
. HGZsXCZIJSF; f J[8 hMGG[H6FJJFDA VFJ, Kp

VF5 p5ZGF IG6! YL GFZFH YI [ CMI 4TMUHZFT DFICTL VF1 MU4 SD1 MUL EJG4 a, MS GR! 4 ALHMDF/4 IGDF6 EJGG1 5FK/4  
; \$8Zv! \_vV#UFWLGZG[INGv)\_DF\AIHL V5L, SZL XSXMP

sOLPVFZPUMIC, f

V[5], 8 V[10; Z VG[  
SF1 5F, S . HGZs5IZD hFGvZPNZF  
; ]ZT DCFGUZ5FI, SF

GP J[8 hMGqVFZP8LPVF. PqGR

TFZLBov v vZ\_! \*

s! f HFCZ DFICTL VIWSZL VG[ VM, 0%I 8L . HGZsXCZIJSF; IJEFUfsJ[8 hMGf HF6 TYF VD, ; FZ]  
sZf zL 15\$, 50k, RE 3JF/F4 SThL ; DFWFG gI]

s#f TMGL V5L, VZHL VU[p5ZGL IJUT4GACSD wJZF SZJFDA VFJ, IGSF, ; AA HF6 ; F~P



V5L, VZHL GP **SMC/WZ/FAP/GP\$5 qZ\_!** \*  
TFPZ! v\_(vZ\_! \*

VZHNFZ ovzL 15\$, 50], RN| WLJF/F  
; FDFJF/F ovHFCZ DFICL VWSFZL VG[5; MG], VMIO; Z sDCSD IJEFUf s51` RDhMGf  
OZLI FNGL CSLST ovVZHNFZ GL J[8hMG VF. POLPGRZ#& TFPZ(q\_&qZ\_! \* GL VZHL YL ; PDP5F GF TDFD hMG DA  
AGFJJFDVVFJ, ; G[Z\_! \*v! ( GF 5|PV\$8LJ 0:S, MhZ DFICIT GL GS, HJL DNF GR Z  
AFATP  
; NE"ov VZHNFZGL TFPZ! q\_(q! \* GL **SMC/WZ/FAP/\$5qZ\_!** \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[ ; NE AFAT[ H6FJFG] S[ VZHNFZ wJZF : JT DCFGUZ 5FI, SFDA TDFD hMG wJZF AGFJFDA  
VFJ, ; G[Z\_! \*v! ( GL 5|PV\$8LJ 0:S, MhZ GL GS, AFAT[ GL TFPZ(q\_&qZ\_! \* GL VF. POLPGRZ#& YL DFICIT DFUTL  
VZHL HFCZ DFICIT VWSFZL ; JT DCFGUZ 5FI, SF G[; AMTTL VZHL J[8hMG BFT[SZJFDA\VFJ, PH[GRJ[8hMGqVFP8LPVF.  
; ( q#) Z TFPZ(q\_&qZ\_! \* YL HFCZ DFICIT VWSFZL VG[5; MG], VMIO; Z s TDFD hMG f ; PDP5F4 TYF HFCZ DFICIT  
VWSFZL VG[; SXG VMIO; Z4 RCPS ; PDP5F4 TYF HFCZ DFICIT VWSFZL VG[0%] BL . HGZ4 sTDFD hMGf ; PDP5F G[TANL,  
SZ[ P H[ HFCZ DFICIT VWSFZL VG[0%] BL . HGZ J[8hMG TZOYL HFCZ DFICIT VWSFZL VG[5; MG], VMIO; Z J[8hMG G[  
VFP8LPVF. ; ( q J[8hMG GR&#\* TFP\_\*q\_)qZ\_! \* GF ZMH TANL, SZ[ P HFCZ DFICIT VWSFZL VG[5; MG], VMIO; Z  
TZOYL 5+GR VFP8LPVF. qVfp8 GR\$5# TFP! #q\_\*qZ\_! \* GF ZMH IGIT ; DI VJIW DFDNF GRZ VU[DFU, VFXS DFICIT  
; JT DCFGUZ 5FI, SF GL J[A ; F. 8 sSuratmunicipal.gov.inf 5ZYL D/L XSXP TD KTF ; IPOL GL H~IZI FT CF[ TM~FP  
5\_qv 0L E1 YL DFICIT D/JL XSXP VP 5t1Tz 5F9JFDA VFJ, PVZHNFZ wJZF TFPZ! q\_(qZ\_! \* GF ZMH DFU, DFICIT  
IJX[SM. 5]TF SZ[ GYLP TD H6FJL J[8hMG BFT[ 5YD V5L, GR\$54 TFPZ! q\_(qZ\_! \* GF ZMH SZ[ P H[ ; JT DCFGUZ  
5FI, SF G[ V5L, VWSFZL VG[VF; PSIDXGZZL TDFD hMG4 TYF V5L, VWSFZL VG[SFI 5F, S. HGZL TDFD hMG4 TYF  
V5L, VWSFZL VG[DwI :Y XCZ IJSF; 4G[J[8hMGqVFP8LPVF. ; ( q&\_! TFPZ#q\_(qZ\_! \* YL 5YD V5L, VZHL TANL,  
SZ[ P

VZHNFZ wJZF SZJFDA VFJ, V5L, VZHL VgJ[ D/ VZHL GL GS, 4 VF5JF HMJ 5ZS DFICIT GL IJUTM  
IJ, AqJ; UTTfq. qSFZ CMI TM TGL :508TF ; C 5CMRTL SZJF TYF V5L, GF DNF VU[ 56 TDGM 51F ZH] SZJF V[5, B  
VWSFZL VG[ VF; PSIDXGZZL wJZF TFPZ#q\_(qZ\_! \* YL HFCZ DFICIT VWSFZL VG[5; MG], VMIO; Z J[8hMG G[ 5+  
5F9JFDA VFJ, P H[ G[ VG]; WFG[HFCZ DFICIT VWSFZL VG[5; MG], VMIO; Z TZOYL TFP#\_q\_(qZ\_! \* GF ZMH . GJO"GR! \$5  
YL, IBT 51F ZH]SZ[ H[DADCSD IJEFU G[ , FUTL DFICIT VU[VZHNFZ G[HJFAqDFICIT 5+GR VFP8LPVF. ; ( q[8hMG GR  
\$5# TFP! #q\_\*qZ\_! \* YL 5ZL 5FOI FG]H6FJ[ P

VZHNFZGL D/ VZHL ; NE" DF HFCZ DFICIT VWSFZL VG[5; MG], VMIO; Z J[8hMG wJZF 5+GR  
J[8hMGqVFP8LPVF. ; ( q\$5# TFP! #q\_\*qZ\_! \* GF 5+YL VZHNFZG[HJFAqDFICIT VF5JFDA VFJ, P TYF H~IZI FT[ ; LOI  
DF8[ ~FP5\_qv 0L EZ5F. SZL DFICIT D/JL , JF VU[H6FJFDA VFJ, P H[ VgJ[ VZHNFZ wJZF N:TFJHL 0L EZL DFICIT  
D/J[ GYLP

V5L, VZHL GF ; NE" DF V5L, VWSFZL VG[VF; PSIDXGZZL J[8hMG GF 5+GR&Z& TFP\_\$q\_)qZ\_! \* YL  
VZHNFZG[ TYF HFCZ DFICIT VWSFZL VG[5; MG], VMIO; ZZLG[ TFP! !q\_)qZ\_! \* GF ZMH V[5, B VWSFZL VG[  
VF; PSIDXGZZL J[8hMG ; D1F ~A~ DF VgJ[ SM. JWZHMFT DF8[! Z0#\_S, FS[CFHZ ZCPF H6FJFDA VFJ, P V5L, TAAS[  
~A~ ; GFJ6L DF VZHNZ UZCFHZ ZC[ K[ TYF HFCZ DFICIT VWSFZL VG[5; MG], VMIO; ZZL CFHZ ZC[ CTR p5, aW  
CSLST wI FG[ , TF HFCZ DFICIT VWSFZL VG[5; MG], VMIO; Z GF V5L, VWSFZL TZLS(GLR[DHA GMCSD SZL 5YD V5L, GM  
IGSF, SZJFDA VFJ[KP

s5FK/f

## oCISDo

VZHNFZGL TFPZ( q\_&qZ\_! \* GL DY VZHL4 5YD V5L, VZHL GAZ \$5 TFPZ! q\_(qZ\_! \* YL DFU[ DFICIT 5\$Z6[ HFCZ DFICIT VIWSFZL VG[ 5; MG[ VM0; Z WJZF 5+GR \$5# TFP! #q\_\*qZ\_! \* YL VZHNFZ[ HJFA q DFICIT VF5JFDA VEF[ TYF H~IZI FT[ ; LPOLP DF8[ ~FP5\_qv N:TEJHL OL 5B[ EZ5F. SZL DFICIT D/JL , jf VU[ H6FJJFDA VFJ[ P H[ VU[ VZHNFZ[ N:TEJHL OL EZ5F. SZL DFICIT D/J[ GYL TYF TFP! !q\_)qZ\_! \* GF ZMH ~A~ ; JFJ6L DFVZHNFZ CFHZ ZC1 F GYL VZHNFZ ; JFJ6LDFCFHZ ZC1 F G CMI IJXDFSM> ZHMF D/J[ GYL VFD VZHNFZGL DY VZHLYL DFUJFDA VFJ[ DFICIT VgJ[ HFCZ DFICIT VIWSFZL VG[ 5; MG[ VM0; ZZL TZOYL VF5JFDA VFJ[ HJFA q DFICIT AZFAZ H6FTL CMI TYF ; NZ V5L, DFGL IJUTM V[JW]S\ SZJFGZC[T] GYL TD KTA VZHNFZ >rK[TM; LPOLP OMDDA DFICTLGL H~IZI FT[ ; LPOLP DF8[~FP5\_qv GF6AEZL DFICTL D/JL , jf :JT+ KIP GF6AEI PGF 5ZJF ZHJSIML HFCZ DFICIT VIWSFZL VG[ 5; MG[ VM0; ZZL TFSLN[ ; DI DI FNFDA DFICTL 5ZL 5FOJLP ; NZ IJUT[ 5YD V5L, VZHL GR \$5 TFPZ! q\_(qZ\_! \* GMIGSF, SZJFDA VFJ[KP

VF5 p5ZGF IG61YL GFZFH YI[ CMI4TM UHZFT DFICTL VFI MU4 SD1MUL EJG4 a, MS GR! 4 ALHM DF/4 IGDF6EJGGI 5FK/4 ; S8Zv! \_vV#UWLGUZG(INGv) \_DFAIHL V5L, SZL XSXMP

sVPVDP ZFHf

GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*p  
V5L, VI3SFZL VG[  
VF; LPDI GPSIDxGZs5IZD hFGvZNZf  
; JT DCFGUZ5FI, SF

5|T4

s! fZL15\$, 50k, RNWLF/F4  
sZfHFCZ DFICTL VIWSFZL VG[ 5; MG[ VM0; Z SJ[8hMGf HF6 TYF VD, ; FZ]  
s#f ; SXG VM0; Z sVFZP8LPVF. ; , f5|TPPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], B VMOL; Z VG[  
SFI '5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IUD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ] ZFNZ ZM04; JZT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP/GP\$&q Z\_!** \*  
TFPZ\$v\_(vZ\_! \*

VZHNFZ ovzL 15\$, 5lwLJF/f

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4DLTFA[G UFWlsXCZIJSF; IJEFUfsJ:8hMGf  
OZLI FNGL CSLST ov

IJQFI ovVZHNFZGL J:8 hMG VF. P0LP GR Z\*#4 TFP! \_q\_\*qZ\_! \* GL VZHL YL 8lP5lP#Z sV0FH6f  
VDP5lP! \_ (4! \_\*4! \_& GL VGPVPG GS, 4ZHFR9L GL 5DFI6T GS, HJF DNFGF! YL 5 VUGL DFICIT DFUTL VZHL V+GF  
J:8hMG BFT[ SZJFDA VFJ, P HGF VG} WFG[ V+YL HFCZ DFICIT VIWSFZL VG[ 0%I BL . HGZ TZ0YL  
5+GRJ:8hMGqVFZP8LPVF. ; l q5\_) TFPZ\*q\_\*qZ\_! \* YL DFU, DFICIT +FICT jI IST GL ID, ST ; VAWT Kp HYL  
VFZP8LPVF. V\$8vZ\_\_5 GF IG1 DMG; FZ S, Dv! ! GL SFI "JFCL SI FAFN IG1 DMG; FZ GL DFICIT VF5L XSFXp TjM 5t1Tz  
5f9JJFDAVFJ, P VZHNFZ wJZF TFPZ\$q\_(qZ\_! \* GF ZMH 5YD V5L, SZL VFHING ; JWL SM. 5TTF SZJFDAVFJ, GYLP HYL  
VFZP8LPVF. V\$8GL S, D \*s&f DHA DFICIT IJGFDK1 [VF5JF ZHVFZ SZ, P5ZT] VZHNFZG[HFCZ DFICIT VIWSFZL V[IG1 T  
; DI VJIWDA5t1Tz 5f9J, CMI TYL DFICIT OL DAVF5JFGF[5] G p5I:YT YTMGYIP V5L, VZHL VU[SM. IJXDF SFI "JFCL  
SZJFG1 ZCITL GYLP HYL V5L, VZHL GMIGSF, SZJFDAVFJ[KP

### oCSDo

VZHNFZGL TFP! \_q\_\*qZ\_! \* GL VZHL YL DFUJFDAVFJ, DFICTL HFCZ DFICIT VIWSFZL VG[0%I BL . HGZ TZ0YL  
CSLST, 1FL DFICIT IG1 T ; DI VJIWDA5ZL 5f9J, CMI P V5L, VZHL GFIGSF, SZJFDAVFJ[KP

s0LPVZPUMIC, f

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

V[5] B VFI0; Z VG[  
SFI '5F, S . HGZs5IZD hFGvZFNZf  
; JZT DCFGUZ5FI, SF

5|T4  
s! f HFCZ DFICTL VIWSFZL VG[ 0%I BL . HGZvDLTFA[G UFWlsXCZIJSF; IJEFUfsJ:8 hMGf HF6 TYF VD, ; FZ  
sZf zL 15\$, 5lwLJF/f  
s#f TMIGL V5L, VZHL VU[p5ZGL IJUTGFCSD wJZF SZJFDAVFJ, IGSF, ; AA HF6 ; F~



OLPVFZPUMC,  
V[5], 8 VMOL; Z VG[  
SF1 5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ]ZPNZ ZM04; ]ZT v #) 5 \_\_\_\_ )P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP\$SMC/WZ/FAP/GP\$\*qZ\_! \*  
TFPZ(v\_(vZ\_! \*

VZHNZ ovzL HXUTI; C VPA|CDE8'

; FDFJF/F ovHFCZ DFICTL VIWSZL VG[VM, 0%I BL . HGZ4sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov VZHNZ GL J: 8hMG VF. POLPGR #\_) 4TFPZ\$q\_\*qZ\_! \* GL VZHL YL DCfN]; C A|CDE8'GL  
TFP\_5q\_\*qZ\_! & GL VZHL4 TFP\_! q! \_qZ\_! & GL 5s5FRf H8, L VZHL TPH HXJTI; C VPA|CDE8'  
GL TFP\_\$q\_\*qZ\_! & GL VZHL4 TFP\_! q\_\*qZ\_! \* GL VZHL4 TFP\_! \*q\_\*qZ\_! \* GL VZHL4  
TFP#! q\_5qZ\_! \* GL #s+6f H8, L VZHLVM VP S, ! Z OIZI FN VZHLVM; NE[V+GF IJEFU  
TZOYL SZJFDAVFJ, SFI JFCL GL DNFGRI! YL& VUGL DFICIT DFUTL VZHL

; NEbv VZHNZGL TFPZ(q\_(qZ\_! \* GL GR\$SMC/WZ/FAP/\$\*/Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S|VZHNZGL TFPZ\$q\_\*qZ\_! \* GL VZHL YL DCfN]; C A|CDE8'  
GL TFP\_5q\_\*qZ\_! & GL VZHL4 TFP\_! q! \_qZ\_! & GL 5s5FRf H8, L VZHL TPH HXJTI; C VPA|CDE8' GL  
TFP\_\$q\_\*qZ\_! & GL VZHL4 TFP\_! q\_\*qZ\_! \* GL VZHL4 ! \*q\_\*qZ\_! \* GL VZHL4 TFP#! q\_5qZ\_! \* GL  
#s+6f H8, L VZHLVM VP S, ! Z OIZI FN VZHLVM; NE[V+GF IJEFU TZOYL SZJFDAVFJ, SFI JFCL GL DNFGRI! YL&  
VUGL DFICIT DFUTL VZHL V+GF J: 8hMG BFT[SZJFDAVFJ, P HGF VG]; WFG[HFCZ DFICIT VIWSZL VG[0%I BL . HGZ  
TZOYL 5+GRJ: 8hMGqVFZP8LPVF. ; | q&#\$ TFP\_\*q\_)qZ\_! \* YL 5I`RDhMG sZFNZF GF XCZ IJSF; IJEFU wJZF SFI JFCL  
SZ, CMJF VUGL DFICIT VU[IJ:TT DFICIT DF8[NOTZL. g:5SXG VG[IJUTMDF8[VM0; GF RF, ]INJ; MNZdI FG; FHV\$0\_\_  
YL &o\_\_ NZdI FG 5I`RD hMG sZFNZF SRZLG; SXG VM0; ZZL s8SGIS, f; D1F CFHZ ZCJF H6FJJFDAVFJ[KP

; NZ VZHL AFAT[VZHNZ]TFPZ(q\_(qZ\_! \* GF ZMH DFUTL DHAAGL DFICIT VFHING; ]W 5ZL 5F, L G CMI  
VFZP8LPVF. V\$8vZ\_\_5 IGI Dv\*s&f C9/ IJGFDkI [5ZL 5F0JF V5L, VIWSZL VG[SF1 5F, S . HGZ J: 8hMG G[5YD  
V5L, SZJFDAVFJ, Kp IGI T; DI AFN HFCZ DFICIT VIWSZL V[5+ VZHNZG[5F9jIMCMJFYI IGI D DHA DFU, DFICIT  
VU[VZHNZG[IJGFDkI [. g:5SXG VF5L B5 5ZTL GS, M|JGFDkI [5ZL 5F0JFGL ZCP

### o\_CSD o

VZHNZGL TFPZ\$q\_\*qZ\_! \* GL VZHL YL DFUJFDA VFJ, DFICTL HFCZ DFICIT VI3SFZL V[SZ, F 5;TFJ  
VG]; FZ DHAAGL DFICIT IGI T; DI VJIWAFN SZ, CMI P VFZP8LPVF. SFI NFGL S, Dv\*s&f C9/ VZHNZG[IJGFDkI [.  
. g:5SXG SZL B5 5ZTL GS, M|JGFDkI [5ZL 5F0JF HFCZ DFICIT VIWSZL VG[0%I BL . HGZ ZFNZhMG[H6FJJFDAVFJ[KP

VF5 p5ZGF IG6! YL GFZFH YI [ CMI 4TMUHZFT DFICTL VF1 MU4 SD1 MUL EJG4 a, MS GR! 4 ALHMDF/4 IGDF6EJGGI 5FK/4  
; \$8Zv! \_vV[URWLGUZG[INGv)\_DF\AIHL V5L, SZL XSXMP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOPVZPUMC, f  
V[5, 8 V[0; Z VG[  
SF1 5F, S . HGZ5IzD hFGvZFNZF  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! f zL HXUTI; C VPA|CDE8'  
SZF HFCZ DFICTL VIWSZL VG[VM, 0%I BL . HGZ s5I`RDhMGfsXCZ IJSF; IJEFUfPPPHF6 TYF VD, DF8P

s#f ; SXG VM0; Z sVFZP8LPVF. ; | f5|TPPPPFF6 HF6 ; FZ]



OLPVFZPUMC,  
V[5], B VMOL; Z VG  
SFI 5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ] ZPNZ ZMO4; JZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP\$SMC/WZ/FAP/GP\$(qZ\_! \*  
TFPZ(v\_(vZ\_! \*

VZHNZ ovzL HXUTI; C VPACDE8'

; FDFJF/F ovHFCZ DFICTL VIWSZL VG[VM, 0%I BL . HGZ4sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov VZHNZ GL J: 8hMG VF. POLPGR #! &4TFPZ\*q\_\*qZ\_! \* GL VZHL YL ; JZT DCFGUZ 5FI, SF wJFZF  
ZANZhIG DF; DFJQ8 ZANZ UFDT/4 pUT UFDT/4JZL FJ UFDT/45F, UFDT/ GF IJSF; VFI MHG GL  
DNFGR ! YL \* VUGL DFICIT AFATP

; NEbv VZHNZGL TFPZ(q\_(qZ\_! \* GL GR\$SMC/WZ/FAP/\$(/Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[ ; NE" AFAT[ H6FJJFG]S[VZHNZGL TFPZ\*q\_\*qZ\_! \* GL VZHL YL ; JZT DCFGUZ  
5FI, SF wJFZF ZANZ hMGDF; DFJQ8 ZANZ UFDT/4 pUT UFDT/4 JZL FJ UFDT/4 5F, UFDT/ GF IJSF; VFI MHG GL  
DFICIT AFAT[DNFGR ! YL \* VUGL DFICIT DFUTL VZHL J: 8hMG BFT[SZJFDF]VFJ, P HGF VG; WFG[HFCZ DFICIT VIWSZL  
VG[0%I BL . HGZ TZOYL GRJ: 8hMG VFZP8LPVF. ; , q &\_5 TFPZ\$q\_(qZ\_! \* IGIT ; DI VJIW DF DNFGR! 4Z4#4\$454&4  
VU[GS, RFHL; "EZL TYF DNFGR \* VU[DNFGR5 5DF6[DFICIT D/JJF 5]; TFJ SZ, P

VZHNZ wJFZF TFPZ(q\_(qZ\_! \* GF ZMH DFUJFDF]VFJ, DFICTL HFCZ DFICIT VFHING ; JI 5ZL 5FO, G CMI VFZP8LPVF.  
V\$8vZ\_5 IGIDs\*f&Cp / IJGFDkI[5ZL 5FOJF V5L, VIWSZL VG[SFI 5F, S . HGZL G[; AMNTL 5YD V5L, ZANZhIG  
BFT[SZJFDF]VFJ, P HFCZ DFICIT VIWSZL VG[0%I BL . HGZ TZOYL IGIT ; DI VJIWDF 5tI]TZ 5F9JJFDF]VFJ, CMI P  
VZHNZ GL V5L, VU[IJXPF SM. SFI "JFCI SZJFGL ZC[TL G CMI P HYL V5L, VZHL GMIGSF, SZJFDF]VFJ[KP

### o CSD o

VZHNZGL TFPZ\*q\_\*qZ\_! \* GL VZHL YL DFUJFDF]VFJ, DFICTL HFCZ DFICIT VIWSZL VG[0%I BL . HGZ TZOYL IGIT  
; DI VJIW DF DNFICIT 5ZL 5FOJFDF]VFJ, CMI P VZHNZ . rK\$ CMI TM HFCZ DFICIT VIWSZL VG[0%I BL . HGZ GF 5; TFJ  
VG; FZ GF6REZL DFICIT D/JJF :JT+ Kp

VF5 p5ZGF IG6! YL GFZFH YI [ CMI 4TMUHZFT DFICTL VFI MU4 SD1 MUL EJG4 a, MS GR! 4 ALHMDF/4 IGDF6 EJGGI 5FK/4  
; \$8Zv! \_vV#UFWLGZG[INGV) \_DF\ALHL V5L, SZL XSXMP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMC, f  
V[5], B V[0; Z VG[  
SFI 5F, S . HGZs5IZD hFGvZFNZF  
; JZT DCFGUZ5FI, SF

5|T4  
s! f zL HXUTI; C VPACDE8'  
sZf HFCZ DFICTL VIWSZL VG[VM, 0%I BL . HGZ s5I` RDhMGfsXCZ IJSF; IJEFUfffff6 TYF VD, DF8P

s#f ; \$XG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ]



OLPVFZPUMC,  
V[5], 8 VMOL; Z VG[  
SFI 5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ] ZPNZ ZM04; ]ZT v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\$) qZ\_! \*  
TPZ(v\_(vZ\_! \*

VZHNZ ovzL HXUTI; C VPA|CDE8'

; FDFJF/F ovHFCZ DFICTL VIWSZL VG[ 0%I ]BL . HGZvDLTFA[G UFWL sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov VZHNZ GL J[ 8hMG VF. POLPGR #! \*4TPZ\*q\_\*qZ\_! \* GL VZHL YL ; ]ZT DCFGUZ 5FI, SF wJFZF  
ZFNZ hMG DF; DFJQ8 pUT UFDT/ IJSF; VFI MHG ; NE . HFZNZ GF 8j0Z DHZ SZJFDA[VFJ, T|  
VUGL DFICIT AFATP

; NEbv VZHNZGL TPZ(q\_\*qZ\_! \* GL GRSMC/WZ/FAP/\$) /Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZINST IJ0FI VG[ ; NE" AFAT[ H6FJJFG] S| VZHNZGL TPZ\*q\_\*qZ\_! \* GL VZHL YL ; ]ZT DCFGUZ  
5FI, SF wJFZF ZFNZ hMGDF; DFJQ8 pUT UFDT/ GF IJSF; VFI MHG ; NE!. HFZNZ G[8j0Z DHZ SZJFDA[VFJ, SFDULZL  
VUGL DNFG! ! YL 5 VUGL DFICIT DFUTL VZHL J[ 8hMG BFT[SZJFDA[VFJ, P HGF VG]; WFG[. PRFP HFCZ DFICIT VIWSZL  
VG[0%I ]BL . HGZ TZOYL GRJ: 8hMG VFZP8LPVF. ; |, q & \_& TPZ\$q\_(qZ\_! \* IGIT ; DI VJIW DFADNFG! VU[DNEGR \$  
5DF6[TYF DNFG! Z YL 5 VU[GS, RFHI" EZL DFICIT D/JJF 5:TFJ SZ| P VZHNZ wJFZF TPZ(q\_(qZ\_! \* GF ZMH DFUTF  
DHAGL DFICIT VFHING ; JI 5ZL 5F0J, G CMI VFZP8LPVF. V\$8vZ\_\_5 IGID s\*f& CP/ IJGFDkI[ 5ZL 5F0JF V5L,  
VIWSZL VG[ SFI 5F, S . HGZ ZL G[ ; AMWTL 5YD V5L, ZFNZ hMG BFT[SZJFDA[VFJ, P . PRFP HFCZ DFICIT VIWSZL VG[  
0%I ]BL . HGZ TZOYL IGIT ; DI VJIWDF5I]TZ 5F9JJFDA[VFJ, CMI VZHNZ GL V5L, VU[IJXPF SM. SFI "JFCL SZJFGL  
ZCITL G CMI P HYL V5L, VZHL GMIGSF, SZJFDA[VFJ, K

### o CSD o

VZHNZGL TPZ\*q\_\*qZ\_! \* GL VZHL YL DFUJFDA[VFJ, DFICTL . PRFP HFCZ DFICIT VI3SFZL VG[0%I ]BL . HGZ TZOYL  
IGIT ; DI VJIW DFADFICIT 5ZL 5F0JFDA[VFJ, CMI P VZHNZ. rK\$ CMI TM. PRFP HFCZ DFICIT VIWSZL VG[0%I ]BL . HGZ  
GF 5:TFJ VG}; FZ GF6F EZL DFICIT D/JJF :JT# K

VF5 p5ZGF IG6! YL GFZH YI |, CMI 4TM UHZFT DFICTL VFI MU4 SD1 MUL EJG4 a, MS GR! 4 ALHM DF/4 IGDF6 EJGGL 5FK/4  
; \$8Zv! \_vV#UFWLGUZG(INGV) \_DF\ALHL V5L, SZL XSXM

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMC, f  
V[5], 8 V|0; Z VG[  
SFI 5F, S . HGZs5IZD hFGvZFNZF  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! f zL HXUTI; C VPA|CDE8!

sZf HFCZ DFICTL VIWSZL VG[. PRFP0%I ]BL . HGZ DLTFA[G UFWLs5I` RDhMGfsXCZ IJSF; IJEFUfPPPFF6 TYF VD, DF8P  
s#f ; \$XG VM0; Z sVFZP8LPVF. ; |, f5|TPPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5]\_8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
gI ]ZENZ ZM04; ]T v #) 5 \_\_\_\_ )P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP5! qZ\_! \*  
TFP#! v\_(vZ\_! \*

VZHNFZ ovzL HI TSDFZ DUGEF. 5rRLUZ

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv VGP5LPXFCsXCZ IJSF; fsJ:8 hMGf  
OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR #\_! 4TFP! 5q\_\*qZ\_! \* GL VZHL YL . gSJDj8,  
SMg8kaI XGF GF6F J; ], AFATPGMBL; GR\*\_4 TFPZ\_q\_5qZ\_! \* . gSJDj8, SMg8kaI XGGF  
GF6FGL U6TZLGL DFICIT VF5JF AFATP  
; NEtv VZHNFZGL TFP#! q\_(qZ\_! \* GL GPSMC/WZ/FAP/5! /Z\_! \*v! ( GL 5YD V5L,  
AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ wJZF. gSJDj8, SMg8kaI XGF GF6F J; ]  
AFAT GMBL; GR\*\_4 TFPZ\_q\_5qZ\_! \* . gSJDj8, SMg8kaI XGGF GF6FGL U6TZLGL DFICIT DFUTL VZHL V+GF  
J:8hMG BFT[SZJFDA\VFJ, P HGF VG]; WFG[HFCZ DFICIT VIWSFZL VG[0%]BL . HGZ TZOYL IGIT ; DI VJIWDF  
5+GRJ:8hMGqVFZP8LPVF. ; [ q 5&! TFP\_)q\_(qZ\_! \* YL DFwI F DHA GL DFICIT 5]GMTZL~5[CMI VFZP8LPVF.  
V\$8vZ\_\_5 VTUT VF5JFGL ZC|TL GYL TYF VF. P; lPGF GF6FGL ZSD GL J; ] FT VDP5LP DHA UHZFT GUZ ZRGF  
VG[XCZL IJSF; IGIT DMV! ) \* & GF cc A OMD"cc DHA SZJFDA\VFJ[KP VJM5tI]TZ 5F9JFDA\VFJ, P VZHNFZ wJZF  
TFP#! q\_(qZ\_! \* GF ZMH J:8hMGqVFZP8LPVF. ; [ Pq5&! TFP\_)q\_(qZ\_! \* GF IG6I GL ; FD[SFI '5F, S . HGZ VG[  
V5L, VIWSFZL G[; AMWTL 5YD V5L, SZJFDA\VFJ, P 5ZT]HFCZ DFICIT VIWSFZL VG[0%]BL . HGZ TZOYL IGIT  
; DI VJIWDFp5, aW CSLST, 1FL DFICIT 5ZL 5FO[, Kp V5L, VZHL VU[SM. IJXDF SFI JFCL SZJFGL ZC|TL GYL  
V5L, VZHL GMIGSF, SZJFDA\VFJ[KP

### o CSD o

VZHNFZGL TFP! 5q\_\*qZ\_! \* GL VZHL YL DFUJFDA\VFJ, p5, aW CSLST, 1FL DFICTL HFCZ DFICIT VI3SFZL  
VG[0%]BL . HGZ TZOYL IGIT ; DI VJIWDFp5, aW CSLST, 1FL DFICIT 5ZL 5FO[, Kp V5L, VZHL GMIGSF, SZJFDA\VFJ[KP

VF5 p5ZGF IG6I YL GFZFH YI[ CMI 4TM UHZFT DFICTL VFIMU4 SDIMUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGL 5FK/4 ; \$8Zv! \_vV#UFWLGUZG(INGV) \_DFALHL V5L, SZL XSXMP

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P  
sOPVZPUMIC, f  
V[5]\_8 VMOL; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZENZf  
; ]T DCFGUZ5FI, SF

5|T4  
s! fzl HI TSDFZ DUGEF. 5rRLUZ4

sZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ VGP5LPXFC sJ:8hMGfsXCZ IJSF; IJEFUfPPPHE6 TYF VD, DF8P

s#f ; \$XG VMOL; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], [8] VMOL; Z VG[  
SF1 '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1 ]ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP5ZqZ\_! \*  
TFP\_! v\_) vZ\_! \*

VZHNFZ ovzLDIT IJ, F; A[G 5LP; BLI F

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZvALPV|RPHFO|HF sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR Z##4TFPZ(q\_&qZ\_! \* sJZFKF hMG VF. POLPGR\$Z5  
TFPZ! q\_&qZ\_! \* f GL VZHL YL ; ]T DCFGUZ 5FI, SF CN IJ:TFZDFJFCG UIT  
VJZMSs: 5LO A[Zf AGFJJF C[T]YI[, BR"TDH IGID VG} FZ AGFJJF C[T], LW[, IGID  
GL GS, H[JL DNF GR V YL S ; ]WGL DFICIT DFUTL VZHL AFATP  
; NEbv VZHNFZGL TFP\_! q\_)qZ\_! \* GL GPSMC/WZ/FAP/5Z/Z\_! \*v! ( GL 5YD V5L,  
AFATP

p5ZMST IJIFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ wJFZF ; ]T DCFGUZ 5FI, SF CN IJ:TFZDFJFCG UIT VJZMSs: 5LO A[Zf AGFJJF C[T]YI[, BR"TDH IGID VG} FZ AGFJJF C[T], LW[, IGID DGL GS, H[JL DNF GR V YL S VUJGL DFICIT DFUTL VZHL JZFKFhMG BFT[SZJFDA VFJ, P H[. :8hMGqVFZP8LPVF. ; [ qHEJS GR! Z\_# TFPZ\*q\_&qZ\_! \* YL TDFD hMG[TANL, SZJFDA VFJ, P H[ZENZ hMG[TANL, SZJFDA VFJ, P H[ZENZ hMG G[TFPZ(q\_&qZ\_! \* GF ZMH D/[ P p5ZMST VZHL AFAT[VZHNFZ]TFPZ(q\_(qZ\_! \* GF ZMH #\_ INJ; GL ; DI  
DI FNF GM EU YIM CMJFYL V5L, VIWSFZL JZFKFhMG G[ ; XMIT 5YD V5L, VZHL SZJFDA VFJ, P H[. :8hMGqVFZP8LPVF. ; [ qHEJS GAZ! 5&! TFPZ\_q\_(qZ\_! \* GF ZMH TDFD hMG[TANL, SZJFDA VFJ, P H[ V+GF hMG[TFP\_! q\_)qZ\_! \* GF ZMH D/[ P VFZP8LPVF. V\$8GL S, DV\*s! f CP/ VZHNFZG[ INGV#\_ DF  
DFICIT 5ZL 5F0JFGL HMUJF. Kp HFCZ DFICIT VIWSFZL VG[0%I]BL . HGZ TZOYL VZHNFZG[V+GF SF1 '1]+ CP/ GL  
DFICIT HFCZ DFICIT VIWSFZL V[5ZL 5F0[, GYL TYL VZHNFZG[VF DFICIT IJGFDkI [5ZL 5F0JFGL ZC[Kp

### o\_CSD o

VZHNFZGL TFPZ! q\_&qZ\_! \* GL VZHL YL DFUJFDA VFJ, DFICIT HFCZ DFICIT VIWSFZL TZOYL 5ZL 5F0JFDA VFJ, G CMI VFZP8LPVF. V\$8GL S, DV\*s! f CP/ IJGFDkI [ INGV\* DF 5ZL 5F0JF 0%I]BL . HGZ VG[ HFCZ DFICIT VIWSFZL4 ZM0 IJEFU ZENZ hMG G[H6FJJFDA VFJ[Kp

VF5 p5ZGF IG6! YL GFZH YI[, CMI 4TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGL 5FK/4 ; \$8Zv! \_vV#UFWLGUZG[INGV) \_DFALHL V5L, SZL XSXIP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

5|T4  
s! fzl IJ, F; A[G 5LP; BLI F  
sZf HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ4 ALPV|RPHFO|HF sXCZ IJSF; IJEFUFPPPFF6 TYF VD, DF8P  
s#f; \$XG VM0; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]

sOLPVFZPUMIC, f  
V[5], B V[10; Z VG[  
SF1 '5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OPPAF, F; FCJA NJZ; ZM04 TFOJF0L4  
gI ]ZFNZ ZM04; ]T v #) 5 \_\_) P  
OMGo\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP/GP5#/qZ\_!** \*  
TFP\_\*v\_) vZ\_! \*

VZHNFZ ovzLDIT WGJA[G HD]EF. 58[

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZv V|GP5LPXFCsXCZ IJSF; fsJ:8 hMGf  
OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR ##! 4TFP\_\$q\_(qZ\_! \* GL VZHL YL TFP! ! q\_\$qZ\_! \* GF  
ZMH VDFZL ; M; FI 8L GL ; FD[VFJ, %, M8 GR() GF ZM0 DFHlG JF/L HuI FDUU[ZSFN; Z ZLT[  
SZJFDA VFJ, AFWSFD G[NZ SZJF DF8[VZHL SZ, P T[VZHL GF VG}; WFGDFYI[, SFI "JFCL  
GL DFICIT AFATP

; NEbv VZHNFZGL TFP\_\*q\_)qZ\_! \* GL GP**SMC/WZ/FAP/5#/Z\_!** \*v! ( GL 5YD V5L,  
AFATP

p5ZMST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S| VZHNFZ wJZF TFP\_\$q\_(qZ\_! \* GL VZHL YL  
TFP! ! q\_\$qZ\_! \* GF ZMH VDFZL ; M; FI 8L GL ; FD[VFJ, %, M8 GR() GF ZM0 DFHlG JF/L HuI FDUU[ZSFN; Z ZLT[  
SZJFDA VFJ, AFWSFD G[NZ SZJF DF8[VZHL SZ, P T[VZHL GF VG}; WFGDFYI[, SFI "JFCL  
GL DFICIT DFUTL VZHL V+GF J[8hMG BFT[SZJFDA VFJ, P HGF VG}; WFG[ HFCZ DFICIT VIWSFZL VG[0%I]BL  
. HGZ TZOYL 5+GRJ[8hMG qVFZP8LPVF. ; , q&&# TFP! Zq\_)qZ\_! \* YL VZHNFZG[IGIT ; DI VJIWAFN DFU,  
DFICIT VUGL GS, GF ~FPZqv V+GL SRZLV[ EZ5F. SI YL DFICIT GL GS, M D/JL XSXM VJM 5tI]TZ 5F9JJFDA  
VFJ, P VZHNFZ[p5ZMST AFAT[ INGV#\_ DFAS. IG61 YI[, G CMJFG] H6FJL TFP\_\*q\_)qZ\_! \* GF ZMH V5L,  
VIWSFZL VG[SFI '5F, S . HGZL ZFNZ hMG G[5YD V5L, VZHL SZ, P 5ZT]HFCZ DFICIT VIWSFZL TZOYL V5L,  
TASS[ VZHNFZ G[ 5tI]TZ 5F9JJFDA VFJ, P VZHNFZG[ VFZP8LPVF. V\$8GL S, Dv\*s! f C9/ VZHNFZG[  
INGv#\_ DFDFICIT 5ZL 5F0JFGL HMUJF. Kp HFCZ DFICIT VIWSFZL VG[0%I]BL . HGZ TZOYL VZHNFZG[IGIT  
; DI VJIWAFN 5tI]TZ 5F9JJFDA VFJ, CMI VZHNFZG[ VFJ, DFICIT IJGFDkI [5ZL 5F0JFGL ZC[Kp

### o\_CSD o

VZHNFZGL TFP\_\$q\_(qZ\_! \* GL VZHL YL DFUJFDA VFJ, p5, aW CSLST, 1FL DFICTL VFZP8LPVF. V\$8GL  
S, Dv\*s&f C9/ IJGFDkI [INGv\* DF5ZL 5F0JF HFCZ DFICIT VI3SFZL VG[0%I]BL . HGZ ZFNZ hMGG[H6FJFDA  
VFJ[Kp

VF5 p5ZGF IG61 YL GFZEH YI[, CMI 4TM UHZFT DFICTL VFIMU4 SDT MUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGI 5FK/4 ; \$8Zv! \_vV#UFWLGUZG[INGv) \_DFALHL V5L, SZL XSXM

sOLPVFZPUMIC, f  
V[5], 8 VFI0; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZFNZf  
; ]T DCFGUZ5FI, SF

5|T4

s! f WGJA[G HD]EF. 58[ 4

SZf HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ4 V|GP5LPXFC SJ[8hMGfsXCZ IJSF; IJEFUFFFFHF6 TYF VD, DF8P  
s#f ; \$XG VMO; Z sVFZP8LPVF. ; , f5|TPPPPPP HF6 ; FZ]



OLPVFZPUMC,  
V[5], B VMO; Z VG  
SFI 5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZFNZF  
OFPAF, F; FCJA NJZ; ZMO4 TFOJFOL4  
gI ]ZPNZ ZMO4; ]T v #) 5 \_\_) P  
OMG0\_Z&! vZ\*( &! (! v(Zv(#

V5L, VZHL GP~~SMC/WZ/FAP/GP55qZ\_!~~ \*  
TPZ(v\_(vZ\_! \*

VZHNZ ovzL HXUTI; C VPA|CDE8'

; FDFJF/F ovHFCZ DFICTL VIWSZL VG[0%]BL . HGZALPV|RHF0|HF4sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov

IJ0FI ov VZHNZ GL J: 8hMG VF. POLPGR ##\$ 4TP\_\$q\_(qZ\_! \* GL VZHL YL DCjN; C A|CDE8' GL  
TPP\_5q\_(qZ\_! & GL VZHL4 TPP\_! q\_(qZ\_! & GL 5s5FRf H8, L VZHL TDH HXJTI; C  
VPA|CDE8' GL TPP\_\$q\_(qZ\_! & GL VZHL4 TPP\_! q\_(qZ\_! \* GL VZHL4 ! \* q\_(qZ\_! \* GL  
VZHL4 TPP#! q\_(qZ\_! \* GL #s+6f H8, L VZHLVMM VP S, ! Z OIZI FN VZHLVMM; NE!  
V+GF IJEFU TZOYL SZJFDAVFJ, SFI JFCL GL DNFGRI YL& VUGL DFICIT DFUTL VZHL

; NEbv VZHNZGL TPP\_(q\_(qZ\_! \* GL GP~~SMC/WZ/FAP/55/Z\_!~~ \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[; NE"AFAT[H6FJJFG]S[VZHNZGL TPPZ\$q\_(qZ\_! \* GL VZHL YL DCjN; C A|CDE8'  
GL TPP\_5q\_(qZ\_! & GL VZHL4 TPP\_! q\_(qZ\_! & GL 5s5FRf H8, L VZHL TDH HXJTI; C VPA|CDE8' GL  
TPP\_\$q\_(qZ\_! & GL VZHL4 TPP\_! q\_(qZ\_! \* GL VZHL4 ! \* q\_(qZ\_! \* GL VZHL4 TPP#! q\_(qZ\_! \* GL  
#s+6f H8, L VZHLVMM VP S, ! Z OIZI FN VZHLVMM; NE! V+GF IJEFU TZOYL SZJFDAVFJ, SFI JFCL GL DNFGRI YL&  
VUGL DFICIT DFUTL VZHL V+GF J: 8hMG BFT[SZJFDAVFJ, P HGF VG]; WFG[HFCZ DFICIT VIWSZL VG[0%]BL . HGZ  
TZOYL 5+GRJ: 8hMG VFP8LPVF. ; ] q(&#\$ TPP\_\*q\_(qZ\_! \* YL 5I`RDhMG sZFNZF GF XCZ IJSF; IJEFU WJZF SFI JFCL  
SZ, CMJF VUGL DFICIT VU[IJ:TT DFICIT DF8[NOTZL . g:5SXG VG[IJUTMDF8[VMO; GF RF, ]INJ; MNZdI FG ; FH{M\$0\_\_  
YL &0\_\_ NZdI FG 5I`RD hMG sZFNZF SRZLG; SXG VMO; ZZLS8\$GLS, f ; D1F CFHZ ZCJF H6FJJFDAVFJ[KP

; NZ VZHL AFAT[VZHNZ|TPZ(q\_(qZ\_! \* GF ZMH DFU|F D|HAGL DFICIT VFHING ; ]W 5ZL 5F0, L G CMI  
VFZP8LPVF. V\$8vZ\_5 IGI Dv\*s&f C9/ IJGFDkI [5ZL 5F0JF V5L, VIWSZL VG[SFI 5F, S . HGZ J: 8hMG G[5YD  
V5L, SZJFDAVFJ, Kp IGI T ; DI AFN HFCZ DFICIT VIWSZL V[5+ VZHNZG[5F9j1 M CMJFYI IGI D DHA DFU, DFICIT  
VU[VZHNZG[IJGFDkI [. g:5SXG VFTL B5 5ZTL GS, M|JGFDkI [5ZL 5F0JFGL ZCP

### o\_CSD o

VZHNZGL TPP\_\$q\_(qZ\_! \* GL VZHL YL DFUJFDA VFJ, DFICTL HFCZ DFICIT VI3SFZL V[SZ, F 5;TFJ  
VG]FZ D|HAGL DFICIT IGI T ; DI VJIWAFN SZ, CMI P VFZP8LPVF. SFI NGFL S, Dv\*s&f C9/ VZHNZG[IJGFDkI [  
. g:5SXG SZL B5 5ZTL GS, M|JGFDkI [5ZL 5F0JF HFCZ DFICIT VIWSZL VG[0%]BL . HGZ ZFNZhMG[H6FJJFDAVFJ[KP

VF5 p5ZGF IG6! YL GFZFH YI, CMI 4TMUHZFT DFICTL VF1 MU4 SD1 MUL EJG4 a, MS GR! 4 ALHMDF/4 IGDF6EJGGI 5FK/4  
; \$8Zv! \_vV#UFWLGZG[INGv)\_DF\ALHL V5L, SZL XSXMP

OLPVFZPUMC, f  
V[5], B VFO; Z VG  
SFI 5F, S . HGZs5IzD hFGvZFNZF  
; ]T DCFGUZ5FI, SF

5|T4

s! f zL HXUTI; C VPA|CDE8'

sZf HFCZ DFICTL VIWSZL VG[VMO; 0%]BL . HGZ s5I`RDhMGfsXCZ IJSF; IJEFUfPPPHE6 TYF VD, DF8  
s#f ; SXG VMO; Z sVFZP8LPVF. ; ] f5|TPPPPHE6 HF6 ; FZ

 RIGHT TO INFORMATION	 संस्था नाम संकेतनम् राज्यपाल बहुल्यन्वितानम् बहुल्यन्वितानम्	; ]ZT DCFGUZ5FI, SF 5IÜD hMG sZFNZf OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4 gI ]ZPNZ ZM04; ]ZT v #) 5 ____P OMGo_Z&! vZ*(&! (! v(Zv(#
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V5L, VZHL GPSMC/WZ/FAP/GP55qZ\_! \*  
 TFP\_(v\_)vZ\_! \*

VZHNFZ ovzL HXUTI; C VPA|CDE8'

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv ALPV|RPHFOHF sXCZ IJSF; fsJ;8 hMG  
 OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR ##\$ 4TFP\_\$q\_(qZ\_! \* GL VZHL YL DC[JN]; C A|CDE8'GL  
 TFP\_#q\_(qZ\_! \* GF ZMH DMH|v5F, UFDT/ DAVFJ, MCFZ DCMK, FDASZJFDAVFJ, 10DM, KG  
 VUGL DNFGP ! YL \* VUGL DFICIT AFATP

; NEbv VZHNFZGL TFP\_(q\_)qZ\_! \* GL GPSMC/WZ/FAP/55/Z\_! \*v! ( GL 5YD V5L, AFATP

p5ZIST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL TFP\_\$q\_(qZ\_! \* GL VZHL YL \_#q\_(qZ\_! \* GF  
 ZMH DMH|v5F, UFDT/ DAVFJ, MCFZ DCMK, FDASZJFDAVFJ, 10DM, KG VUGL DNFGP ! YL \* VUGL DFICIT DFUTL  
 VZHL V+GF J[8hMG BFT SZJFDA VFJ, P HGF VG, WFG HFCZ DFICIT VIWSFZL VG[0%]BL . HGZ TZOYL  
 5+GRJ;8hMGqVFZP8LPVF. ; | q&\$! TFP\_\*q\_(qZ\_! \* YL 5I RDhMG sZFNZf GF XCZ IJSF; IJEFU wJZF DFU, DFICIT  
 IJ:TT 5\$FZ GL CMI VZHNFZG[V5L, ; DI NZdI FG TFP\_(q\_)qZ\_! \* GF ZMH A5M! Zo\_\_ S, FS NOTZL . g:5\$XG VU[  
 5I RD hMG sZFNZf SRZLG; SXG VMO; ZzL s8\$GLS, f ; D1FCFHZ ZCJF H6FJJFDAVFJ, P

; NZ VZHL AFAT[VZHNFZ[ TFP\_(q\_)qZ\_! \* GF ZMH DFU, F DHAGL DFICIT VFHING ; JI 5ZL 5F0, L G  
 CMI VFZP8LPVF. V\$8vZ\_5 IG1 Dv\*s&f C9/ IJGFDkI [5ZL 5F0JF V5L, VIWSFZL VG[SFI]5F, S . HGZ J[8hMG G[5YD  
 V5L, SZJFDA VFJ, Kp IG1 T ; DI AFN HFCZ DFICIT VIWSFZL V[5+ VZHNFZG[5F9jIMCMUFYL IG1 D DHA DFU, DFICIT  
 VU[VZHNFZG[IJGFDkI]. g:5\$XG VF5L B5 5ZTL GS, MIJGFDkI [5ZL 5F0JFGL ZCP

### o\_CSD o

VZHNFZGL TFP\_\$q\_(qZ\_! \* GL VZHL YL DFU, F DHAGL DFICIT VFHING ; JI 5ZL 5F0, L G  
 CMI VFZP8LPVF. V\$8vZ\_5 IG1 Dv\*s&f C9/ IJGFDkI [5ZL 5F0JF V5L, VIWSFZL VG[SFI]5F, S . HGZ J[8hMG G[5YD  
 V5L, SZJFDA VFJ, Kp IG1 T ; DI AFN HFCZ DFICIT VIWSFZL V[5+ VZHNFZG[5F9jIMCMUFYL IG1 D DHA DFU, DFICIT  
 VU[VZHNFZG[IJGFDkI]. g:5\$XG VF5L B5 5ZTL GS, MIJGFDkI [5ZL 5F0JFGL ZCP

VF5 p5ZGF IG6! YL GFZFH YI, CMI 4TMUHZFT DFICTL VF1 MU4 SD1 MUL EJG4 a, MS GR! 4 ALHMDF/4 IGDF6 EJGGL 5FK/4  
 ; \$8Zv! \_vV#UFWLGUZG[INGv) \_DF\ALHL V5L, SZL XSXMP

GRJ;8 hMGqVFZP8LPVF. PqGR  
 TFZLBov v vZ\_! \*P

sOPVFPUMC, f  
 V5L, B VMO; Z VGI  
 SFI 5F, S . HGZs5IZD hFGvZFNZf  
 ; ]ZT DCFGUZ5FI, SF

5|T4  
 s! f zL HXUTI; C VPA|CDE8'

SZf HFCZ DFICTL VIWSFZL VG[VMI, 0%]BL . HGZ s5I RDhMGfsXCZ IJSF; IJEFUfPPPHF6 TYF VD, DF8P

s#f ; SXG VMO; Z sVFZP8LPVF. ; | f5|TPPPP HF6 ; FZ  
 \



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SF] '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP/GP5&qZ\_!** \*  
TFP ! #v\_) vZ\_! \*

VZHNZ ovzL 5|XFT EUJFGNF; `FM04

; FDFJF/F ovHFCZ DFICTL VIWSZL VG[0%I]BL . HGZv OLPHP58[ sXCZ IJSF; fsJ[ 8 hMGf

OZLI FNGL CSLST ov VZHNZ GL J[ 8hMG VF. POLPGR ##5 4TF\_5q\_(qZ\_! \* GL VZHL YL 5Z6F GUZ ; M; FI 8L \  
TFOJFOL AU, F GAZv\_) 5Z AFWJFDA\VFJ[ 8FJZ VUGL DFICTL AFATP

; NEbV VZHNZGL TFP! #q\_)q! \* GL **SMC/WZ/FAP** 5&v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJIFI VG[; NE"AFAT[H6FJJFG]S[VZHNZ wJFZF TFP\_5q\_(q! \* GL VZHL YL s! f 5Z6 GUZ  
; M; FI 8L TFOJFOL AU, F GAZv\_) 5Z AFWJFDA\VFJ[ 8FJZ SFN; Z K[ S[ UZSFN; Z sZf 5Z6FGUZ ; M; FI 8L  
AU, F GAZv\_) p5Z AFWJFDA\VFJ[ DMAF. , 8FJZ SIF VIWSZLZL V[ AFWSFDGL 5ZJFGUL VF5[ Kp H[ DÜF  
GAZ ! YL \$ VUGL DFICTL DFUTL VZHL V+GF J[ 8 hMG BFT[SZJFDA\VFJ[ P

HGF VG}; WFG[HFCZ DFICTL VIWSZL VG[0%I]BL . HGZ TZ0YL J[ 8 hMG 5+ GAZv &55 TFP\_(q\_)q! \*  
YL DÜF GAZ ! YL # VU[H6FJ[ DMAF. , 8FJZ VUGL SM. DFICTL V+GF Z\$0"p5Z p5, aW H6FTL GYL DÜF  
GAZv\$ VUGL SM. 56 5\$FZ G]AFWSFD SZJF DF8[H1POLP; IP; ]T DCFGUZ5FI, SFGF DFgI , FI ; g; VFSL8S DFZOT  
IJSF; 5ZJFGUL GL VZHL ZH]SZJFGL CMI Kp JWDF\VFZP8LPVF. P V\$8 C9/ 5] GMGF HJFA S[SFZ6 VF5JFGF ZC[FF  
GYL VJIM5I]TZ 5F9JJFDA\VFJ[ P

VZHNZ wJFZF TFP! #q\_)q! \* GF ZMH VWZL VIMU VG[UZDFU]NMZTL CMI TYF EFZTLI GFUZLS ; FY[  
GFUZLS CS SZTL DFICTL CMJFG]H6FJL V5L, ; tTFIWSZL q dI PSIDxGZZL G[; XAWTL 5YD V5L, SZ[ Kp 5ZT]DÜF  
GAZ ! # VUGL DFICTL V+GF Z\$0 5Z p5, aW G CMI VFZP8LPVF. V\$8 GL S, D YL 2F VG[ 2J DHA HFCZ  
DFICTL VIWSZL p5, aW Z\$OGL DFICTL VF5JFGL CMI Kp

o\_CSD\_o

VZHNZGL TFP\_5q\_(qZ\_! \* GL VZHL YL DFUJFDA\VFJ[ DFICIT HFCZ DFICTL VIWSZL TZ0YLp5, aW  
CSLST , 1FL DFICTL 5ZL 5F0JFDA\VFJ[ Kp V5L, VZHLGMIGSF, SZJFDA\VFJ[ Kp

GRJ[ 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P  
5|T4  
s! f zL 5|XFT EUJFGNF; `FM04

sZf HFCZ DFICTL VIWSZL VG[0%I]BL . HGZ4 TDFD sJ[ 8hMGfsXCZ IJSF; IJEFUFPPPFF6 ; FZP  
s#f ; SXG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ]

sOLPVFZPUMIC, f  
V[5, 8 VFIO; Z VG[  
SF] '5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP5\*qZ\_! \*  
TFP! 5v\_) vZ\_! \*

VZHNFZ ovzLDIT VFXF ~5X VUUF,

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I BL . HGZv V[G5LPXFCsXCZ IJSF; fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR Z\*\* 4TFP! Zq\_\*qZ\_! \* GL VZHL YL H6FJ, K[S[DFZ  
IJZjā BZ[BZ X]OIZI FN CTL VG[SIFIGIDFG]; FZ VIWSFZL, FSOFG]XIMZ[X TMOJF VFJ| F CTF  
T[AFATP

; NEbv VZHNFZGL TFP! 5q\_)q! \* GL **SMC/WZ/FAP q 5\*qZ\_!** \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE"AFAT[H6FJJFG]S[VZHNFZ äFZF TFP ! Zq\_\*qZ\_! \* GL VZHL YL H6FJ, K[S[  
DFZ IJZjā BZ[BZ X]OIZI FN CTL VG[OIZI FN D]HAGL J:T]VIWSFZLG[D/L m VG[SIFIGIDFG]; FZ VIWSFZL :Y/ 5Z  
SM. 56 SFU/ JUZ HJFANFZ jI ISTGL U[ZCFHZLDFAX]SFD SZL UI F VG[S]D m T]J H6FJ, Kp  
; NZ VZHL AFAT[VZHNFZ EFZF TFP ! 5q\_)qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL EFZF SM. DFICTL D/L G  
CMJFYI IGI DMG]; FZ IJGF D]I [DFICTL D/JF V5L, ; ?VIWSFZLG[5YD V5L, SZI, Kp VFZP8LPVF. V\$8GL S, D  
\*s! f C9/ VZHNFZG[ING v#\_ DA DFICTL 5ZL 5F0JFGL CMI, Kp V+YL HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ  
TZOYL SM. DFICTL 5ZL 5F0JFDFVFE, GYLP H[VU(GLR[D]HAGMC]SD SZL V5L, GMIGSF, SZJFDFVFE[Kp  
o\_CSD o

VZHNFZGL D/ VZHL4 V5L, VZHL T]DH p5, aW CSLST wI FG[ , ITA GLR[D]HAGMC]SD SZL V5L, GM  
IGSF, SZJFDFVFE[Kp

VZHNFZGL GL TFP! 5q\_)q! \* GL VZHL YL DFUJFDFVFE, DFICTL VU[VFZP8LPVF. P V\$8GL S, DV\*s&f  
C9/ IJGF D]I [V+GL HF6 C9/ INGV\_\* DFZS0" 5Z p5, aW CMI T]J DFICTL VZHNFZLG[5ZL 5F0JF T]DH  
VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZL DFUTL VZHL VU[; DI VJIWTDA DFICTL 5ZL 5F0JF q 5tI T]Z 5F9JJF  
VU[SF/HL ZFBF HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ zl4 J:8 hMG[H6FJJFDFVFE[Kp

VZHNFZGL ; NZ C]SDYL GFZH CMI T]M U]HZFT DFICTL VFIMU4 SD1MUL EJG4 ZFH1 S1FGL SRZLVM a, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V]UWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*p

sOLPVFZPUMIC, f  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4

s! fZL VFXF ~5X VUUF,  
sZf HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4 V[G5LPXFCsJ:8hMGfsXCZ IJSF; IJEFUfPPPFF6 ; FZ]  
s#f; \$XG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP FF6 ; FZ]



OLPVFZPUMIC,  
V[5], [8 VMOL; Z VG[  
SF] "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP5\*/qZ\_! \*  
TFP! 5v\_) vZ\_! \*

VZHNFZ ovzLDIT VFXF ~5X VUUF,

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZv V[G]GP5LPXFCsXCZ IJSF; fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR Z\*\* 4TFP! Zq\_\*qZ\_! \* GL VZHL YL H6FJ, K[S]DFZF  
IJZjā BZ[BZ X]OIZI FN CTL VG[S]F IG1 DFG; FZ VIWSFZL , FSOFG]XIMZ[X TMOJF VFJ| F CTF  
T[AFATP

; NEbv VZHNFZGL TFP! 5q\_)q! \* GL **SMC/WZ/FAP q 5\*qZ\_!** \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE"AFAT[H6FJJFG]S[VZHNFZ äFZF TFP ! Zq\_\*qZ\_! \* GL VZHL YL H6FJ, K[S]  
DFZF IJZjā BZ[BZ X]OIZI FN CTL VG[OIZI FN D]HAGL J:T]VIWSFZLG[D/L m VG[S]F IG1 DFG; FZ VIWSFZL :Y/ 5Z  
SM. 56 SFU / JUZ HJFANFZ jI ISTGL U[ZCFHZLDFAX]SFD SZL UI F VG[S]D m T]J H6FJ, Kp  
; NZ VZHL AFAT[VZHNFZ FFZF TFP! 5q\_)qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL FFZF DFICTL 5ZL 5F0JFDF  
VFJ, G CMI IG1 DNG; FZ IJGF D]I [DFICTL D/JF V5L, ; ČVIWSFZLG[5YD V5L, SZ, Kp H[Gf VG; WFG[V+YL  
V5L, VZHL Gb **SMC/WZ/FAP/GP5\*/Z\_!** \* TFP! 5q\_)q! \* YL VF5, DFICTLGL 5]TF SZJF HF6 SZ, P H[Gf  
5]TF SZ, GYLP VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_DF DFICTL 5ZL 5F0JFGL CMI Kp V+YL  
HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ TZ0YL SM. DFICTL 5ZL 5F0JFDFVFJ, GYLP H[VU[GLR[D]HAGMC]SD SZL  
V5L, GMIGSF, SZJFDAVFJ[Kp

### o\_CSD o

VZHNFZZLGL D/ VZHL4 V5L, VZHL T]DH p5, aW CSLST wI FG[ , ITF GLR[D]HAGM C]SD SZL V5L, GM  
IGSF, SZJFDAVFJ[Kp

VZHNFZZL GL TFP! Zq\_\*q! \* GL VZHL YL DFUJFDAVFJ, DFICTL VU[VFZP8LPVF. P V\$8GL S, Dv\*s&F  
C9/ IJGF D]I [INGv\_\* DFV+GF p5, aW Z\$0" D]HA DFICTL VZHNFZZLG[5ZL 5F0JF T]DH VFZP8LPVF. P C9/  
VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFDFICTL 5ZL 5F0JFq 5]I]Z 5F9JJF VU[ SF/HL ZFBJF  
HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ zl4 J:8 hMGG[TFSLN SZJFDAVFJ[Kp

VZHNFZZL ; NZ C]SDYL GFZH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFH1 S1FGL SRZLVM a, MS  
GRv! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GM! \_v V]UWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

5|T4  
s! fzl VFXF ~5X VUUF, 4  
SZF HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ4 V[G]GP5LPXFCsJ:8hMGfsXCZ IJSF; IJEFUFPPPHE6 ; FZP  
s#f; \$XG VMO; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]

sOLPVFZPUMIC, f  
V[5] B V]O; Z VG[  
SF] "5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP5(qZ\_! \*  
TFP! 5v\_) vZ\_! \*

VZHNFZ ovzLDIT VFXF ~5X VUUF,

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZv JLPALP8[ ZsXCZ IJSF; fsJ[8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR Z\* ( 4TFP! Zq\_\*qZ\_! \* GL VZHL YL VMG, F. G Sd5, [ G  
\*\*\*q(Z\_! \*\$Z#5 SZ[ CTL HGF HJFADAVIWSFZL UFI JF, F ; FC[A[H~ZL GM8L; V5F.

CTL T[H~ZL GM8L; GL GS, VUGL DFICTLIP

; NEbv VZHNFZGL TFP! 5q\_)q! \* GL **SMC/WZ/FAP** Z\* (v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJIFI VG[ ; NE" AFAT[ H6FJFG] S[ VZHNFZ wJZF VF. G Sd5, [ G \*\*\*q(Z\_! \*\$Z#5  
VUGL DFICTL DFUTF VZHL V+GF ZENZ hMG BFT[SZJFDAVFJ[ HGF VG]; WFG[HFCZ DFICTL VIWSFZL VG[0%I]BL  
. HGZ TZOYL IGIT ; DI DFJ[8 hMG VFZP8LPVF. P; [ q&&Z TFP! Zq\_)q! \* GF ZMH ~FP\$qv EZL DFICTL D/JF  
5:TFJ SZ[ P

VZHNFZ wJZF GF6AEZL DFICTL D/J[ GYL VZHNFZ wJZF TFP! 5q\_)q! \* GF ZMH VZHL ZH}S1" GF #\_  
INJ; GL VNZ SM. DFICTL D/L GYL T[J H6FJL V5L, ; tTFIWSFZL G[ ; XAML 5YD V5L, ZH]SZ[ Kp 5ZT] HFCZ  
DFICTL VIWSFZL wJZF IGIT ; DI DI FNFDFA DFICTL 5ZL 5F0[ Kp V5L, VZHL VU[SM, IJXPF SFI "JFCL SZJFGL  
ZCITL GYLP

o CSD o

VZHNFZGL TFP! Zq\_\*qZ\_! \* GL VZHL YL DFUJFDAVFJ[ DFICIT HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ wJZF  
IGIT ; DI DFJ[5ZL 5F0[ CM[ V5L, VZHL VU[SM, IJXPF SFI "JFCL SZJFGL ZCITL G CM[ V5L, VZHLGMIGSF,  
SZJFDAVFJ[Kp

sOLPVFZPUMIC, f  
V[5], 8 VFI0; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5IT4

s! fzl VFXF ~5X VUUF, 4

sZf HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ4 JLPALP8[ ZsJ[8hMGfsXCZ IJSF; IJEFUFFFFHF6 ; FZ[  
s#f; SXG VMO; Z sVFZP8LPVF. ; [ f5ITPPPPP HF6 ; FZ[



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP5)qZ\_! \*  
TFP! 5v\_)vZ\_! \*

VZHNFZ ovzL ZDX SP HFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv VGP 5LPXFC4 V|RP ALP , ldAF; LI F4 DLTEAG  
UFWLsXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR Z(\*4 TFP! \$q\_\*qZ\_! \*GL VZHLYL TFP\_! q! ! qZ\_! &YL  
! \$q\_\*qZ\_! \* NZdI FG 8LP5LP GR! \_4! ! 4! Z4! \$4Z#4#\_ DFLpEF YI[, UZSFN N[ Z AFWSFD  
AFATP

; NEbv VZHNFZGL TFP! 5q\_)q! \* GL **SMC/WZ/FAPq5**)qZ\_! \*v! (GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZ wJZF TFP! \$q\_\*qZ\_! \*GL VZHLYL  
TFP\_! q! ! qZ\_! & YL TFP ! \$q\_\*qZ\_! \* NZdI FG ZENZ hMG IJ:TFZ 8LP5LP GR! \$4Z#4Z)4#\_ sZENZfDFpEF YI[,  
UZSFN N[ Z AFWSFD ; FD[ hMG wJZF ID<STNFZG[5F9J], GM8LX4 DGF. CSD Vb8E GM8LX TYF TFSNGF 5+MGL GS,  
HPL DPF GR! YL \$ VUGL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDFVFE]

; NZ VZHL AFAT[VZHNFZ FFZF TFP! 5q\_)qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL FFZF SM. DFICTL  
D/L G CMJFYL IG1 DMG]; FZ IJGF DkI [DFICTL D/JJF V5L, ; ɆVIWSFZLG[5YD V5L, SZ[ Kp VFZP8LPVF. V\$8GL  
S, D \*s! f C9/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%]BL  
. HGZ TZOYL SM. DFICTL 5ZL 5F0JFDFVFE, GYLP H[VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDFVFE[Kp  
o CSD o

VZHNFZZLGL D/ VZHL4 V5L, VZHL TDPH p5, aW CSLST wI FG[, ITA GLR[D]HAGM CSD SZL V5L, GM  
IGSF, SZJFDFVFE[Kp

VZHNFZZL GL TFP! \$q\_\*q! \* GL VZHLYL DFUJFDFVFE, DFICTL VU[VFZP8LPVF. P V\$8GL S, DV\*s&f  
C9/ IJGF DkI [V+GL HF6 C9/ INGV\_\* DF Z\$0" 5Z p5, aW CMI TPL DFICTL VZHNFZZLG[5ZL 5F0JF TDPH  
VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[; DI VJIWTDF DFICTL 5ZL 5F0JFq 5t1]TZ 5F9JJF  
VU[SF/HL ZFBJF HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zl4 J[8 hMG[H6FJJFDFVFE[Kp

VZHNFZZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHI S1FGL SRZLVM a, MS  
GRv! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; S8Z GM! \_v V|UFWLGUZ BFT[ALHI V5L, SZL XS[Kp

GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*p

sOLPVFZPUMIC, f  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZs5IzD hFGrZENZF  
; ]T DCFGUZ5FI, SF

5|T4  
s! fzL ZDX SP HFULO  
sZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 VGP 5LPXFC4 V|RP ALP , ldAF; LI F VG[DLTEAG UFWLsXCZ IJSF;  
IJEFUfPPPf6 TYF VD, DF8P  
s#f; SXG VM0; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP5) qZ\_! \*  
TFP! 5v\_) vZ\_! \*

VZHNFZ ovzL ZDIX SP HFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZv V|GP 5LPXFC4 V|R P ALP , LdAF; LI F4 DLTFAG  
UFWLsXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR Z(\*4 TFP! \$q\_\*qZ\_! \*GL VZHLYL TFP \_! q! ! qZ\_! &YL  
! \$q\_\*qZ\_! \* NZdI FG 8LP5LP GR! \_4! ! 4! Z4! \$4Z#4#\_ DFpEF YI [ UZSFN N: Z AFWSFD  
AFATP

; NEbv VZHNFZGL TFP! 5q\_)q! \* GL **SMC/WZ/FAPq5)** qZ\_! \*v! (GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG} S[ VZHNFZ WJZF TFP! \$q\_\*qZ\_! \*GL VZHLYL  
TFP \_! q! ! qZ\_! & YL TFP ! \$q\_\*qZ\_! \* NZdI FG ZENZ hMG IJ:TFZ 8LP5LP GR! \$4Z#4Z)4#\_ sZENZFDFpEF YI [  
UZSFN N: Z AFWSFD ; FD[hMG WJZF ID<STNFZG[5F9J, GM8LX4 DGF. CSD Vj8E GM8LX TYF TFSLNGF 5+MGL GS,  
HJL DPF GR! YL \$ VUGL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDAVFJ]

; NZ VZHL AFAT[ VZHNFZ EFZF TFP ! 5q\_)qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL EFZF DFICTL 5ZL  
5F0JFDA VFJ, G CMI IG1 DMG; FZ IJGF DkI [ DFICTL D/VJJF V5L, ; ZENZFDFpEF YI [ 5YD V5L, SZ[ Kp HGF  
VG} WFG[V+YL V5L, VZHL GSMC/WZ/FAP/GP5) /Z\_! \* TFP! 5q\_)q! \* YL VF5[ DFICTLGL 5JTF SZJF  
HF6 SZ[ P HGL 5JTF SZ[ GYL VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ ING v#\_ DF DFICTL 5ZL  
5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ TZOYL SM. DFICTL 5ZL 5F0JFDA VFJ, GYL H[  
VU[GLR[D]HAGM CSD SZL V5L, GMIGSF, SZJFDA VFJ[Kp

### o CSD o

VZHNFZLGL D/V VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , ITA GLR[D]HAGM CSD SZL V5L, GM  
IGSF, SZJFDA VFJ[Kp

VZHNFZL GL TFP! \$q\_\*q! \* GL VZHLYL DFUJFDA VFJ, DFICTL VU[ VFZP8LPVF. P V\$8GL S, Dv\*s&f  
C9/ IJGF DkI [ INGV\_\* DFV+GF p5, aW Z\$0" DHA DFICTL VZHNFZLGL 5ZL 5F0JF TDH VFZP8LPVF. P C9/  
VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JFq 5t1JZ 5F9JJF VU[ SF/HL ZFBJF  
HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ ZL4 J: 8 hMGG[TFSLN SZJFDA VFJ[Kp

VZHNFZL ; NZ CSDYL GFZH CMI TM UHZFT DFICTL VF1 MU4 SD1 MUL EJG4 ZFHI S1FGL SRZLVM a, MS  
GRv! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GM! \_v V| UFWLGUZ BFT[ALHI V5L, SZL XS[Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5, 8 VFIO; Z VG[  
SFI 5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4  
s! fzL ZDIX SP HFULO  
sZf HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ4 V|GP 5LPXFC4 V|R P ALP , LdAF; LI F VG[DLTFAG UFWL sXCZ IJSF;  
IEFUfPPPHF6 TYF VD, DF8P  
s#f; \$XG VM0; Z sVFZP8LPVF. ; f5|TPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], 8 VMO; Z VG[  
SFI '5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5IÜD hMG SZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ] ZFNZ ZM04; ZT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\* (&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP&\_qZ\_!** \*  
TFP! 5v\_) vZ\_! \*

VZHNFZ ovzL ZDX SP HFUL0

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZvVGP5LPXFCsXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov

IJOFI ov VZHNFZGL J: 8hMGVF. POLPGR#\$\*4 TFP\_)q\_(qZ\_! \* GL VZHL YL 8LP5LP: SLDGP(s5F, G5Mf  
VPP5LP5! DFVJF; ; VT\$FZFD ; M; FI 8L IJEFUVZ DFYI, XF/FGFAFWSFD VU[ GL  
DUF GR! YL \$ VUJL DFICIT AFATP

; NEbv VZHNFZGL TFP! 5q\_)qZ\_! \* YL V5L, GR **SMC/WZ/FAP/&\_qZ\_!** \*v! ( GL 5YD V5L,  
AFATP

p5ZMST IJOFI VG[ ; NE" AFAT[ H6FJ JFG] S[ VZHNFZGL TFP\_)q\_(qZ\_! \* GL VZHL YL 8LP5LP: SLD  
GP(s5F, G5Mf VPP5LP5! DFVJF; ; VT\$FZFD ; M; FI 8L IJEFUVZ DFYI, XF/FGFAFWSFD DF8[ VF5JFDA  
VJFJ, IJSF; 5ZJFGUL GL GS, TYF DHZ %, FG GL hZMF GS, 4 GJ; HG IJWF, I JF/F UZSFN N; Z AFWSFDG[  
. d5\$8GF SEI NF CP/ IGI DAWW SZJF DF8[ ID<STNFZ áFZ SZJFDA VJFJ, VZHL TYF OMSI D8 GL GS, 4 . d5\$8 GL  
VZHL TYF ID<STNFZG[5F9J], 5+MGL GS, 4 . d5\$8 ZN SZJF VU[ ID<STNFZG[5F9J], GDGF cKc GL GS, 4 GDGMcKc  
5F9J F AFN ID<STNFZG[UFWLGUZ BFT[V5L, SZL CMI T[HF6 SZTM 5+GL GS, HJL DNFGF ! YL \$ VUJL DFICIT  
DFUTL VZHL V+GF hMG BFT[SZJFDA VJFJ, Kp

; NZ VZHL AFAT[ VZHNFZ FFZF TFP! 5q\_)qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL EFZF DFICTL 5ZL  
5F0JFDA VJFJ, G CMI IGI DMG; FZ IJGF DkI [ DFICTL DVJJF V5L, ; FWSFZLG[ 5YD V5L, SZ[ Kp HGF  
VG; WFG[V+YL V5L, VZHL G **SMC/WZ/FAP/GR&\_Z\_!** \* TFP! 5q\_)q! \* YL VF5[ DFICTLGL 5JTF SZJF  
HF6 SZ[ P HGL 5JTF SZ[ GYLP VFZP8LPVF. V\$8GL S, D \*s! f CP/ VZHNFZG[ ING v#\_ DF DFICTL 5ZL  
5F0JGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZ0YL SM. DFICTL 5ZL 5F0JFDA VJFJ, GYLP H[  
VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA VJFJ[Kp

### o CSD o

VZHNFZzLGL DV VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , ITA GLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDA VJFJ[Kp

VZHNFZzL GL TFP\_)q!( \* GL VZHL YL DFUJFDA VJFJ, DFICTL VU[ VFZP8LPVF. P V\$8GL S, Dv\*s&f  
CP/ IJGF DkI [ INGv\_\* DFV+GF p5, aW Z\$0" DHA DFICTL VZHNFZzLG[5ZL 5F0JF TDH VFZP8LPVF. P CP/  
VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JFq 5JTF 5F9JJF VU[ SF/HL ZFBJF  
HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zl4 J: 8 hMGG[TFSLN SZJFDA VJFJ[Kp

VZHNFZzL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VF1 MU4 SD1 MU1 EJG4 ZFH1 S1FGL SRZLVMA, MS  
GRv! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v VU[ UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5] 8 VFIO; Z VG[  
SFI '5F, S . HGZs5IZD hFGvZFNZf  
; ZT DCFGUZ5FI, SF

5JTF  
s! f HFCZ DFICTL VIWSFZL VG[0%]BL . HGZvVGP5LPXFCs5I` RDhMGfsXCZ IJSF; IJEFUFPPPHE6 TYF  
VD, DF8P  
sZf DNNPHFCZ DFICTL VIWSFZL VF; IP. HGZzL VG[H]. HGZs5I` RD hMGvZFNZf sXCZ IJSF; IJEFUFPPPPP HE6  
TYF VD, DF8P  
s#f zl ZDX SP HFUL04



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SF] "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP/GP&!** qZ\_! \*  
TFP! 5v\_) vZ\_! \*

VZHNFZ ovzL ZDX SP HFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZv JLPALP8], ZsXCZ IJSF; fsJ[8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR ##) 4TF\_5q\_(qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJFZF YI[ S, Dv! ! DHAGL SFI "JFCL AFATP

; NEbv VZHNFZGL TFP! 5q\_)q! \* GL **SMC/WZ/FAP &!** v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ wJFZF TFP\_! q\_\*q! \* YL TFP\_5q\_(q! \* NZdI FG J[8  
hMG SRZLDFZL ZDX HFULO ; ICT VgI VZHNFZM wJFZF VFZP8LPVF. V\$8 C9/ GDGF cc Scc DFVZHL YIF AFN  
VZHLDI H6FJ[ DFICTL q IJUTM VFZP8LPVF. V\$8 vZ\_\_5 GF IGI DFG] FZ S, Dv! ! SFI "JFCL SZJF DF8[  
ID, STNFZM G[5F9J[ GDGF cc Ucc JF/F TDFD 5+MGL GS, M HUF DUF ! YL # VUGL DFICTL DFUTF VZHL V+[J[8  
hMG TZOYL IGI T VJIWDF 5+ GR J[8 hMG q&Z\_ TFP\_ \$q\_)q! \* DUF GAZv! VG[Z VU[DFU1F DHAGL DFICTL  
5^GMTZL 8F. 5GL CMI TYF +FICT jI IST ; AIWT VEJTF GYL TYF DUF GRVZ DFU1F DHAGL DFICTL +FICT jI IST G[  
5MTFGL VUT AFAT Kp H[VFZP8LPVF. P V\$8 vZ\_\_5 VTUT VF5JFGL GYL HI FZ[DUF GRV# VU[DFU1F DHAGL  
DFICTL <http://gic.gujarat.gov.in> 5ZYI D/JL XSFXM VJM 5tI]TZ 5F9JJFDA VFJ[ P H[ VU[VZHNFZ[ IGIN08  
; DI UF/FDA/D/[ 5ITEFJYL GFZFH Kp sIGI D s! f sBff TFP! 5q\_)q! \* GF ZMH 5ITEFJYL GFZFH Y. V5L,  
; tTFIWSFZL G[ 5YD V5L, SZ[ Kp HFCZ DFICTL VIWSFZL TZOYL VF5[ DFICTL VFZP8LPVF. P V\$8 vZ\_\_5  
VTUT VF5JFDA VF5[ Kp V5L, VU[SM. IJXPF SFI "JFCL SZJFGL ZC[TL GYIP

o CSD o

VZHNFZGL TFP\_5q\_(qZ\_! \* GL VZHL YL DFUJFDA VFJ[ DFICIT HFCZ DFICTL VIWSFZL TZOYL DFUJFDA  
VFJ[ DFICTL HFCZ DFICTL VIWSFZL TZOYL IGI T ; DI DI FNFDF VFZP8LPVF. V\$8vZ\_\_5 VTUT VF5[ CMI  
V5L, VZHL VU[SM. IJXPF SFI "JFCL SZJFGL ZC[TL G CMI V5L, VZHLGMIGSF, SZJFDA VFJ[Kp

GRJ[8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5], 8 VFIO; Z VG[  
SF] "5F, S . HGZs5IzD hFGvZNZF  
; ]T DCFGUZ5FI, SF

5IT4

s! fzL ZDX SP HFULO

SZP HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ4 TDFD sJ[8hMGfsXCZ IJSF; IJEFUfPPPFF6 ; FZ  
s#f; SXG VMIO; Z sVFZP8LPVF. ; f5ITPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V5|, 8 VMOL; Z VG|  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP&ZqZ\_! \*  
TFP! 5v\_) vZ\_! \*

VZHNFZ ovzL ZDX SP HFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I BL . HGZv DLTFAG UFWLsXCZ IJSF; fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR #\$\_4TF\_5q\_(qZ\_! \* GL VZHL YL 8LP5LPGR !!  
sV0FH6f4 VDP5LP \*#4 INjI SH ; M; FI 8L4 IA<OLU GR V#! 4 V#Z JF/L ID<STGF UZSFN N; Z  
AFWSFD AFATP

; NEbv VZHNFZGL TFP! 5q\_)q! \* GL **SMC/WZ/FAPq &ZqZ\_!** \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ äFZF TFP \_5q\_(qZ\_! \* GL VZHL YL 8LP5LPGR !!  
sV0FH6f4 VDP5LP \*#4 INjI SH ; M; FI 8L4 IA<OLU GR V#! 4 V#Z JF/L ID<STGF UZSFN N; Z AFWSFDGF TFP  
! 5q! \_q! &GF ZMH ; L, DFZJFDA VFJ] CTP ; L, GL SFI "JFCL SZJF DF8[:Y/ 5Z HGFZ XCZ IJSF; IJEFUGF  
VIWSFZL VSDRFZL GFD4 GAZ GL DFICTL4 hMG GF JOF TZOYL CSD 5+ VYJF ZL5M84 ID<STNFZG[; L, DFZJF VU[  
SZJFDA VFJ], GM8LX4 ; L, BM, JF DF8[5DLXG 5+4 CF, DFA; L, K\$[GCL4GM8LX HJF DUF GR ! YL & VU[GL DFICTL  
DFUTL VZHL V+GF hMG BFT[SZJFDA VFJ], P

; NZ VZHL AFAT[VZHNFZ FFZF TFP ! 5q\_)qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL FFZF SM. DFICTL  
D/L G CMJFYL IG1 DMG]; FZ IJGF DkI [DFICTL D/JF V5L, ; ɆFIWSFZLG[5YD V5L, SZ], Kp VFZP8LPVF. V\$8GL  
S, D \*s! f C9/ VZHNFZG[ING v#\_ DFA DFICTL 5ZL 5FOJFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%I BL  
. HGZ TZOYL V5L, TASS[5+ GRJ:8 hMGq VFZP8LPVF. P; [ q (\_ )4 TFP Z5q! \_qZ\_! \* YL 5tI JTZ 5F9JJFDA  
VFJ], P

### o CSD o

VZHNFZGL TFP\_5q\_(qZ\_! \* GL VZHL YL DFUJFDA VFJ, DFICIT V+[ HFCZ DFICIT VIWSFZL VG[  
0%I BL . HGZ TZOYL V5L, TASS[5+ GRJ:8 hMGq VFZP8LPVF. P; [ q (\_ )4 TFP Z5q! \_qZ\_! \* 5tI JTZ 5F9JJFDA  
VFJ, 4 V5L, VZHL VU[SM. IJXF SFI "JFCL SZJFGL ZC[TL GYL4 V5L, VZHLGMIGSF, SZJFDA VFJ[Kp  
VF5 p5ZGF IG6! YL GFZFH YI[, CMI 4TM UHZFT DFICTL VF1 MU4 SD1 MU1 EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGL 5FK/4 ; \$8Zv! \_vV[UFWLGUZG[INGV) \_DFAVHL V5L, SZL XSXMP

GRJ:8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V5|, 8 VF10; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4

s! fzL ZDX SP HFULO

SZP HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4 DLTFAG UFWLsJ:8hMGfsXCZ IJSF; IJEFUFPPPHF6 ; FZP  
S#f; \$XG VM0; Z sVFZP8LPVF. ; [ f5|TPPPPBP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]ZT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP&#qZ\_! \*  
TFP! 5v\_) vZ\_! \*

VZHNFZ ovzL ZDIX SP HFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZv V|GP 5LPXFC VG[ V|R P ALP , ldAF; LI FsXCZ  
IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR Z( (4 TFP! \$q\_\*qZ\_! \* GL VZHLYL TFP \_! q! ! qZ\_! &YL  
! \$q\_\*qZ\_! \* NZdI FG 8LP5LP GR! #4(4\$Z4\$\$4\$& DFpEF YI[ UZSFN; Z AFWSFD AFATP

; NEbv VZHNFZGL TFP! 5q\_)q! \* GL **SMC/WZ/FAPq&ZqZ\_!** \*v! (GL 5YD V5L, AFATP  
p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG[ S[ VZHNFZ wJZF TFP! \$q\_\*qZ\_! \* GL VZHLYL  
TFP \_! q! ! qZ\_! & YL TFP ! \$q\_\*qZ\_! \* NZdI FG ZENZ hMG IJ:TFZ 8LP5LP GR ! # sV0FH6f4 8LP5LP GR( s5F, G5Zf 4 8LP5LPGR \$Z4\$#sHCFULZAFNF4 8LP5LPGR \$\$ YL \$&sHCFULZ5Zff DFpEF YI[ UZSFN; Z AFWSFD  
; FD[hMG wJZF ID<STNFZG[5F9J, GM8LX4 DGF. CSD Vb8E GM8LX TYF TFSINGF 5+MGL GS, HJL DJF GR ! YL \$  
VU|GL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDAVFEJ]

; NZ VZHL AFAT[VZHNFZ FFZT TFP! 5q\_)qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL FFZT DFICTL 5ZL 5F0JFDF  
VFJ[ G CMI IG1 DMG; FZ IJGF DkI [DFICTL D/JJF V5L, ; JIWSFZLG[5YD V5L, SZ[ Kp HGF VG; WFG[V+YL  
V5L, VZHL Gb **SMC/WZ/FAP/GP&#qZ\_!** \* TFP! 5q\_)q! \* YL VF5[ DFICTLGL 5JTF SZJF HF6 SZ[ P HGL  
5JTF SZ[ GYLP VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DFICTL 5ZL 5F0JFGL CMI Kp V+YL  
HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZ TZ0YL SM. DFICTL 5ZL 5F0JFDF VFJ[ GYLP H[VU[GLR[D]HAGMCSD SZL  
V5L, GMIGSF, SZJFDAVFEJ[Kp

### o CSD o

VZHNFZLGL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , ITA GLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDAVFEJ[Kp

VZHNFZL GL TFP! \$q\_\*q! \* GL VZHLYL DFUJFDAVFEJ[ DFICTL VU[ VFZP8LPVF. P V\$8GL S, Dv\*s&f  
C9/ IJGF DkI [INGv\_\* DFV+GF p5, aW Z\$0" DHA DFICTL VZHNFZL LG[5ZL 5F0JF TDH VFZP8LPVF. P C9/  
VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI D1 FNFDFA DFICTL 5ZL 5F0JFq 5t1JZ 5F9JJF VU[ SF/HL ZFBJF  
HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZ zl4 J: 8 hMGG[TFSLN SZJFDAVFEJ[Kp

VZHNFZL ; NZ CSDYL GFZH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHI S1FGL SRZLVM a, MS  
GRv! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GM! \_v V[ UFVLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

SOPVZPUMIC, f  
V[5], 8 V[10; Z VG[  
SFI '5F, S . HGZs51zD hFGvZENZf  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! fzL ZDIX SP HFULO  
sZf HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZ4 V|GP 5LPXFC VG[ V|R P ALP , ldAF; LI FsXCZ IJSF; IJEFUFPPPHF6  
TYF VD, DF8P  
s#f; \$XG VM0; Z sVFZP8LPVF. ; f5|TPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], B VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP&\$qZ\_!** \*  
TFP! 5v\_) vZ\_! \*

VZHNFZ ovzL ; HI DCZf

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv V|RPAPl, AFRLI F sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR #554TFP! &q\_(qZ\_! \* GL VZHL YL 8LP5Lv#\* JZL|FJ  
VDP5Lv\$&a, MS ! ! & GL DHZL GL **SMC/TDO/DP GAZ 5Z**) TFPZ(q\_#q! & GF ZMH  
VF5[ ; NZ ID, STDFVF5JFDFVFJ, AFWSFDGL DHZL AFATP

; NEtv VZHNFZGL TFP! 5q\_)q! \* GL **SMC/WZ/FAP &\$v! \*v!** ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZL GL TFP! &q! \_q! \* GL VZHL YL 8LP5Lv#\*  
JZL|FJ VDP5Lv\$&a, MS ! ! & HGL DHZL **SMC/T.D.O/D.P/GAZv5Z**) TFPZ(q\_#q! & GF ZMH VF5[  
; NZ p5Z NXFJ, ID, STDFVF5JFDFVFJ, AFWSFDGL DHZL HJF DUF GAZv ! YL 5 VUGL DFICTL DFUTL VZHL  
S, §8Z SRZL 5LPVFPVMP XFBFDF SZJFDA VFJ, HI GR5LPVFPVMP RTI(JXLZ!) \$/ID No-11210/17  
TFP! \_q\_(q! \* YL d1]GL; 5, SIDxGZZL4 ; ]T DCFGUZ 5FI, SFG[TANL, SZJFDA VFJ, H[DwI :Y SRZL Hlq! &\$  
TFP! \$q\_)q! \* GF ZMH V+GL hMG G[TANL, SZJFDA VFJ, H[V+GF hMG(TFP! &q\_(q! \* GF ZMH D/ P H[  
VG} WFG[V+[YL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL 5+ GAZv J: 8 hMG VFZP8LPVF. P; [ q&\_ (TFPZ(q\_#q! \* YL HFCZ DFICTL VIWSFZL VG[GFA XCZ IJSF; VIWSFZL DwI :Y XCZ IJSF; G; 56" TANL, SZ[ P  
VZHNFZ wJZF HFCZ DFICTL VIWSFZL TZOYL IGIT ; DI DI FNFDFA SM. DFICTL D/ G CMI VJH U6L S, §8ZZL  
G; 56" TANL, SZJFDA VFJ, P V+ML V5L, VZHL VU[SM. IJXDF SFI "JFCL SZJFGL ZCTLP GYLP

o CSD o

VZHNFZGL TFP! &q\_(qZ\_! \* GL VZHL YL DFUJFDF VFJ, DFICIT DwI :Y XCZ IJSF; G; 56" TANL, SZ[ CMI  
TML V5L, VZHL VU[SM. IJXDF SFI "JFCL SZJFGL ZCTLP GYLP

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFPUMIC, f  
V[5], B VFI; Z VG[  
SFI '5F, S . HGZs5IzD hFgvZFNZf  
; ]T DCFGUZ5FI, SF

5|T4  
s! fzL ; HI DCZf

SZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 V|RPAPl, AF; LI FsJ: 8hMGfsXCZ IJSF; IJEFUfPPPHE6 ; FZP  
s#f; §XG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SF1 '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP/GP&&qZ\_!** \*  
TFPZZv\_) vZ\_! \*

VZHNFZ ovZL ; ]X Z6KMOEF. 58[

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZv HLP VDPOMUFsXCZ IJSF; fsJ[ 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[ 8hMG VF. POLPGR #&Z 4TFPZ! q\_(qZ\_! \* GL VZHL YL 8LP5LP! Z sV0FH6f4  
OP %, M8 GR #\\$ VG[#) DRYI[ AFWSD C[T] VZHNFZJTL IJSF; 5ZJFGUL DF8[ZH]SZ[  
VFWFZ 5ZJFGUL DF8[ZH]SZ[

; NE"v VZHNFZGL TFPZZq\_) q! \* GL **SMC/WZ/FAP q &&qZ\_!** \*v! ( GL 5YD V5L, AFATP  
p5ZMST IJQFI VG[; NE"AFAT[ H6FJJFG]S[ VZHNFZ aFZF TFP Z! q\_(qZ\_! \* GL VZHL YL H6FJ[ K[S[  
8LP5LP! Z sV0FH6f4 OP %, M8 GR #\\$ VG[#) DRYI[ AFWSD C[T] VZHNFZJTL IJSF; 5ZJFGUL DF8[ZH]SZ[  
VFWFZ 5ZJFGUL DF8[ZH]SZ[ ; ZSFZL JTL DHZ YI[ T[0E08 DHZ AFATGM Z\$04 TYF ; ZSFZL JTL OF. G,  
YI[ T[; DI TFZLB4 JFZ DHAGM Z\$0" HJUL DJF GR ! YL \$ VUGL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDA  
VFJ[ P

; NZ VZHL AFAT[ VZHNFZ EFZF TFP ZZq\_) qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL EFZF DFICTL 5ZL  
5F0JFDA VFJ[ G CMI IGI DMG; FZ IJGF DkI[ DFICTL D/VJJF V5L; ; ZFWSFZLG[ 5YD V5L, SZ[ Kp HGF  
VG; WFG[ V+YL V5L, VZHL Gb **SMC/WZ/FAP/GR&&/Z\_!** \* TFPZZq\_) q! \* YL VF5[ DFICTLGL 5JTF SZJF  
HF6 SZ[ P HGL 5JTF SZ[ GYLP VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ ING v#\_ DF DFICTL 5ZL  
5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ TZOYL SM. DFICTL 5ZL 5F0JFDA VFJ[ GYLP H[  
VU[GLR[DHAGMCSZL V5L, GMIGSF, SZJFDA VFJ[ Kp

### o CSD o

VZHNFZL GL TFPZZq\_) q! \* GL VZHL YL DFUJFDA VFJ[ DFICTL VU[ VFZP8LPVF. P V\$8GL S, Dv\*s&f  
C9/ IJGF DkI[ INGV\_\* DFV+GF p5, aW Z\$0" DHA DFICTL VZHNFZLGL[ 5ZL 5F0JF TDH VFZP8LPVF. P C9/  
VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDI DFICTL 5ZL 5F0JF 5tI]TZ 5F9JJF VU[ SF/HL ZFBF  
HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ ZL4 J[ 8 hMGG[TFSLN SZJFDA VFJ[ Kp

VZHNFZL ; NZ CSDYL GFZH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHI S1FGL SRZLVM a, MS  
GRv! 4 ALHMDF/ IGDF6 EJG 5FK/4; \$8Z GM! \_v V[ UFVIGUZ BFT[ALHI V5L, SZL XS[Kp

GRJ[ 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

5|T4  
s! fzl ; ]X Z6KMOEF. 58[ 4

sZf HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZ4 HLPVDPOMUFsJ[ 8hMGfsXCZ IJSF; IJEFUfPPPFF6 ; FZ[  
s#f; \$XG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ[

sOLPVFZPUMIC, f  
V[5, 8 VFIO; Z VG[  
SF1 '5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF



OLPVFZPUMIC,  
V[5], 8 VMOl; Z VG[  
SFI "5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFN[Zf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ]ZFN[Z ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMGo\_Z&! vZ\*( &! (! v(Zv( #

V5L VZHL GPSMC/WZ/FAP/GP&&qZ\_! \*  
TFPZZv\_) vZ\_! \*

VZHNFZ ovzL ; ZX Z6KMOEF. 58[

; FDFJF/F ovHFCZ DFICL VIWSFZL VG[0%I]8L . HG[Zv HLP V[DPMUfSXCZ IJSF; fsJ]:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR #&Z 4TFPZ! q\_(qZ\_! \* GL VZHL YL 8LP5LP! Z sV0FH6f4  
OFP %, M8 GR #\\$ VG[#) DFYI [ AFWSD C[T] VZHNFZJTL IJSF; 5ZJFGUL DF8[ZH]SZ[  
VFWF7 5ZF JEJE 7SO"GI DEFICTI AFATP

; \NE\ov VZHNFZGL TFPZZq\_)q! \* GL SMC/WZ/FAP q &&qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE"AFAT[ H6FJJFG]S[ VZHNFZ äFZF TFP Z! q\_(qZ\_! \* GL VZHL YL H6FJ[ K[S[  
8LP5LP! Z sV0FH6f4 OFP %, M8 GR #\$ VG[#) DFYI[ AFWSFD C[T] VZHNFZJTL IJSF; 5ZJFGUL DF8[ZH] SZ[  
VFWFZ 5ZJFGFZ Z\$0"GL DFICTL4 ; ZSFZZL JTL DHZ YI[ T[0F08 DHZ AFATGM Z\$04 TYF ; ZSFZZL JTL OF. G,  
YI[ T[ ; DI TFZLB4 JFZ DHAGM Z\$0" H[JL DJF GR ! YL \$ VUGL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDA  
VFJ[ P

; NZ VZHL AFAT[ VZHNFZ FFZF TFP ZZq\_) qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL FFZF DFICTL 5ZL  
5F0JFDA VFJ[, G CMI IG| DMG; FZ IJGF DkI[ DFICTL DVJJF V5L, ; ɆVIWSFZLG[ 5YD V5L, SZ[, Kp HGF  
VG; WFG[V+YL V5L, VZHL Gb SMC/WZ/FAP/GR&&/Z\_! \* TFPZZq\_) q! \* YL VF5[, DFICTLGL 5TTF SZJF  
HF6 SZ[, P HGL 5TTF SZ[, GYLP VFZP8LPVF. VS8GL S, D \*S! f C9/ VZHNFZG[ ING v#\_ DA DFICTL 5ZL  
5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[ 0%1 BL . HGZ TZOYL SM. DFICTL 5ZL 5F0JFDA VFJ[, GYLP H[  
VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA VFJ[KP

0 CSD 0

VZHNFZZLGL D/V VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , TFA GLR[ DHAGM CSD SZL V5L, GM  
IGSF, SZJFDFVFE[KP

VZHNFZZL GL TFPZZq! \* GL VZHLYL DFUJFDFVVFJ, DFICTL VU[VFZP8LPVF. P V\$8GL S, Dv\*s&f  
Cp/ IJGF DkI [INGv\_\* DFV+GF p5, aW Z\$O" DHA DFICTL VZHNFZZLG[5ZL 5F0JF TDH VFZP8LPVF. P C9/  
VFJTL DFICTL q 5ZEJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JFq 5tI]TZ 5F9JJF VU[ SF/HL ZFBJF  
HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zl4 J:8 hMGG[TFSLN SZJFDFVVFJ[KP

VZHNFZZL ; NZ CSDYL GFZFH CM! TM UHZFT DFICTL VFI MU4 SD! MUL EJG4 ZFH I S1FGL SRZLVM a, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GM! \_v V! UFWLGUZ BFT[ALHL V5L, SZL XS[KP

GRJ[ 8 hMGqVFZP8lPVF. PgGR  
TFZLBov v vZ\_! \*p  
sOLPVFZPUMC, f  
V|5| B VF|0; Z VG|  
SF|'5F, S. HGZs5|ZD hfGvZENZf  
; ZT DCFGUZ5F1, SF

5|T4  
S! fZL ; ZX Z6K10EF. 58[ 4 ! #\_

sZf HfCz DfCtl VlWSfzL Vg[0%] Bl . Hg[4 HlpV DpoMfSj: 8hNgfsXcZ ljsf; IjEfUfppphf6 ; FzP  
s#f; \$xG VmO; Z sVfzp8lpVf. ; [ f5|TpPpPpPpHf6 ; Fz]



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IUD hMG sZFNZf  
OPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; JT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*( &! (! v(Zv( #

V5L, VZHL GP**SMC/WZ/FAP/GP&\*qZ\_!** \*  
TFPZ5v\_)vZ\_! \*

VZHNFZ ovzl HDJEF. DKJEF. , F04 zl HUNLXEF. RLDGEF. , F04

zl , <, JEF. ARZEF. 58[ 4 zl KUGEF. 5DPEF. , F0

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]8L . HGZv JIPALP8[ ZsXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov VZHNFZ GL J[8hMG VF. POLPGR ##\_4TF \_\$q\_(qZ\_! \* GL DMH[5F, UFDDA\VFJ[ ; l8L ; J[  
GRv(\$4 (5!4 (5z4 )\$Z JF/LID, ST ; NE[DF56LGL VZHL SZ[ K[S|SD m p5ZMST AFWSFDDA; OF; AFY~D  
NAF6 CMJFG]DFGL TM0JFDF\VFJ[ K[TMT[BM8L ZLT[NAF6 DFGLG[TM0JFDF\VFJ[ K[T[; NE[SM. CSD VFNX SZ[ K[  
S|SD m H[VUGL DFICIT AFATP

; NE"ov VZHNFZGL TFPZ)q\_! \* GL **SMC/WZ/FAPq &\*qZ\_!** \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ afZF TFP \_\$q\_(qZ\_! \* GL VZHL GL DMH[5F, UFDDA  
VFJ[ ; l8L ; J[GRv(\$4 (5!4 (5z4 )\$Z JF/LID, ST ; NE[DF56LGL VZHL SZ[ K[S|SD m p5ZMST AFWSFDDA  
; OF; AFY~D NAF6 CMJFG]DFGL TM0JFDF\VFJ[ K[TMT[BM8L ZLT[NAF6 DFGLG[TM0JFDF\VFJ[ K[T[; NE[SM. CSD  
VFNX SZ[ K[S|SD m VUGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDF\VFJ[ P

; NZ VZHL AFAT[VZHNFZ EFZF TFP Z)q\_! \* GF ZMH HFCZ DFICTL VIWSFZL EFZF TFP\_\*q\_! q! \*  
GRJ[8 hMG q VFZP8LPVF. P; [ q&#& YL HJFA VF5[ Kp tI FZ AFN 5YD VI5, TFPZ5q\_! \* GF ZMH  
SMC/WZ/FAPq &\*qZ\_! \*v! ( V5L, SZ[ V+YL HFCZ DFICTL VIWSFZL VG[0%I]8L . HGZ TZ0YL V5L,  
TASS[5+ GRq J[8 hMG q VFZP8LPVF. P; [ q \*& (4 TFP ! &q! \_qZ\_! \* YL 5tI JZ 5F9JJFDF\VFJ[ P

## CSD

VZHNFZGL TFPZ5q\_! \* GL VZHLYL DFUJFDF\VFJ[ DFICTL VZHNFZG[INGV\* DFCSLST, 1FL  
p5, aW DFICIT IJGFDkI[5ZL 5F0JF HFCZ DFICIT VIWSFZL G[ H6FJJFDF\VFJ[Kp

VF5 p5ZGF IG61 YL GFZH YI[ CMI 4TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGI 5FK/4 ; S8Zv! \_vVPUFWLGUZG[INGV) \_DFVALHL V5L, SZL XSXMP

GRJ[8 hMG q VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5], 8 V[0; Z VG[  
SFI "5F, S . HGZs5IzD hFGvZNZf  
; JT DCFGUZ5FI, SF

5||T4  
s! f zl HDJEF. DKJEF. , F04 zl HUNLXEF. RLDGEF. , F04 zl , <, JEF. ARZEF. 58[ 4 zl KUGEF.  
5DPEF. , F04  
sZf HFCZ DFICTL VIWSFZL VG[0%I]8L . HGZ4 JIPALP8[ Z sJ[8hMGfsXCZ IJSF; IJEFUfPPPHF6 ; FZ[  
s#f H[ . HGZ4 GI G 58[ sJ[8hMGfsXCZ IJSF; IJEFUfPPPHF6 ; FZ[  
s\$f ; SxG VMO; Z sVFZP8LPVF. ; [ f5||TPPPPFF6 ; FZ]



OLPVFZPUMIC,  
V[5]\_8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP&(qZ\_! \*  
TFPZ) v\_) vZ\_! \*

VZHNFZ ovzl HDJEF. DKJEF. , F04 zl HUNLXEF. RLDGEF. , F04

zl , <, JEF. ARZEF. 58[ 4 zl KUGEf. 5DFEF. , F0

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZv HLPVDPOMUF sXCZ IJSF; fSJ: 8 hMGf

OZLI FNGL CSLST ov

IJQFI ov VZHNFZ GL J: 8hMG VF. POLPGR #\$\$ 4TF\_(q\_(qZ\_! \* GL DMH[5F, UFDDAVFJ; ; l8L ; J[  
GRv(\$4 (5! 4 (5Z4 )\$Z JF/L ID, ST ; NE[DF56LGL VZHL SZ], K[S|SD m p5ZMST AFWSFDDA; DF; AFY~D  
NAF6 CMJFG|DFGL TM0JFDF\VFJ, K[TMT[BM8L ZLT[NAF6 DFGLG[TM0JFDF\VFJ, K[T]; NE[SM. CSD VFNX SZ], K[  
S|SD m H[VUGL DFICIT AFATP

; NEbv VZHNFZGL TFPZ) q\_) q! \* GL SMC/WZ/FAPq &(qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ aFZF TFP\_(q\_(qZ\_! \* GL VZHL GL DMH[5F, UFDDA  
VFJ; ; l8L ; J[GRv(\$4 (5! 4 (5Z4 )\$Z JF/L ID, ST ; NE[DF56LGL VZHL SZ], K[S|SD m p5ZMST AFWSFDDA  
; DF; AFY~D NAF6 CMJFG|DFGL TM0JFDF\VFJ, K[TMT[BM8L ZLT[NAF6 DFGLG[TM0JFDF\VFJ, K[T]; NE[SM. CSD  
VFNX SZ], K[S|SD m VUGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDF\VFJ, P

; NZ VZHL AFAT[VZHNFZ EFZF TFP Z) q\_) qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL EFZF TFP\_\*q\_) q! \*  
GRJ: 8 hMG q VFZP8LPVF. P; , q&\$5 YL HJFA VF5, Kp t1 FZ AFN 5YD VI5, TFPZ) q\_) q! \* GF ZMH  
SMC/WZ/FAPq &(qZ\_! \*v! ( V5L, SZ], V+YL HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ TZOYL V5L,  
TASS[5+ GRq J: 8 hMGq VFZP8LPVF. P; , q \*(&4 TFP ! &q! \_qZ\_! \* YL 5t1 JTZ 5F9JJFDF\VFJ, P

## CSD

VZHNFZGL TFP Z) q\_) qZ\_! \* GL VZHLYL DFUJFDF\VFJ, DFICTL VZHNFZG[IGI T ; DI VJIWDA5ZL  
5F0JFDF\VFJ, Kp TD KTA VZHNFZG; NZ DFICTLGL H~Z CMI TMGF6AEZL DFICTL D/JJF :JT# Kp  
VF5 p5ZGF IG6! YL GFZF H YI, CMI 4TM UHZFT DFICTL VF1 MU4 SD1 MUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGI 5FK/4 ; \$8Zv! \_vV[UFWLGUZG[INGv] \_DFALHL V5L, SZL XSXMP

GRJ: 8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5]\_8 VFI0; Z VG[  
SFI '5F, S . HGZs5IzD hFGrVZNZF  
; ]T DCFGUZ5FI, SF

5||T4  
s! f zl HDJEF. DKJEF. , F04 zl HUNLXEF. RLDGEF. , F04 zl , <, JEF. ARZEF. 58[ 4 zl KUGEf.  
5DFEF. , F0  
sZf HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ4 JIPALP8, Z SJ: 8hMGfsXCZ IJSF; IJEFUFFFFHF6 ; FZP  
s#f H P . HGZ4 GI G 58[ SJ: 8hMGfsXCZ IJSF; IJEFUFFFFHF6 ; FZP  
s\$f ; SXG VM0; Z sVFZP8LPVF. ; , f5||TPPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ]ZENZ ZM04; ]ZT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP&(qZ\_! \*  
TFP! 5v\_) vZ\_! \*

VZHNZ ovzL HDJEF. DKJEF. , F04 zL HUNLXEF. RLDGEF. , F04

zL , <, ]EF. A|RZEF. 58[ 4 zL KUGEF. 5|DFEF. , F0

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZv JIPALP8[ ZsXCZ IJSF; fsJ[ 8 hMGf

OZLI FNGL CSLST ov VZHNZ GL J[ 8hMG VF. POLPGR #\$\$ 4TF\_(q\_(qZ\_! \* GL DMH[5F, UFDDA VFJ[ ; l8L  
; J[Gv(\$4 (5! 4 (5Z4 )\$Z JF/L ID, ST ; NE]DF56LGL VZHL SZ[ K[S]SD m p5ZMST AFWSFDDA; DF;  
AFY~D NAF6 CMJFG]DFGL TM0JFDA VFJ[ K[TMT[ BM8L ZLT[NAF6 DFGLG[TM0JFDA VFJ[ K[T[ NE]SM. CSD VFN[X  
SZ[ K[S]SD m H[VU]GL DFICIT AFATP

; NE"v VZHNZGL TFPZ)q\_! \* GL **SMC/WZ/FAPq &(qZ\_! \*v!** ( GL 5YD V5L, AFATP

p5ZMST IJIFI VG[; NE"AFAT[H6FJJFG]S[VZHNZ aZF TFP\_(q\_(qZ\_! \* GL VZHL GL DMH[5F, UFDDA  
VFJ[ ; l8L ; J[Gv(\$4 (5! 4 (5Z4 )\$Z JF/L ID, ST ; NE]DF56LGL VZHL SZ[ K[S]SD m p5ZMST  
AFWSFDDA; DF; AFY~D NAF6 CMJFG]DFGL TM0JFDA VFJ[ K[TMT[ BM8L ZLT[NAF6 DFGLG[TM0JFDA VFJ[ K[T[  
; NE]SM. CSD VFN[X SZ[ K[S]SD m VU]GL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDA VFJ[ P

; NZ VZHL AFAT[VZHNZ EFZF TFP Z)q\_! \* GF ZMH HFCZ DFICTL VIWSFZL EFZF SM. DFICTL D/L  
G CMJFYL IG1 DMG; FZ IJGF D]I [ DFICTL D/JJF V5L, ; ; FIWSFZLG[ 5YD V5L, SZ[ Kp VFZP8LPVF. V\$8GL  
S, D \*s! f C9/ VZHNZG[ ING v#\_ DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%I ]BL  
. HGZ TZ0YL V5L, TASS[ 5+ GRq J[ 8 hMGq VFZP8LPVF. P ; ; q \*&(4 TFP ! &q! \_qZ\_! \* YL 5tI JTZ 5F9JJFDA  
VFJ[ P

### o CSD o

VZHNZGL VF. POLPGR #\$\$ 4TF\_(q\_(qZ\_! \* V5L, VZHL GRSMC/WZ/FAP/GP&(qZ\_! \*v!  
( TFPZ)q\_! ( VF5JFDA VFJ[ Kp HGF VG; WFG[ , FUT HFCZ DFICIT VIWSFZL VG[0%I ]BL . HGZ V[ V+GF  
p5, aW Z\$0" D]HA 5+ GRq J[ 8 hMGq VFZP8LPVF. P; ; q \*&(4 TFP ! &q! \_qZ\_! \* DFU[ DFICTL 5+ wJZF VF5JFDA  
VFJ[ CMI V5L, VZHL V+[SM. SFI "JFCL SZJFGL ZC]TL G CMI V5L, VZHLGMIGSF, SZJFDA VFJ[ Kp T]DH , FUTL  
HFCZ DFICIT VIWSFZL VG[0%I ]BL . HGZ zl4 G[ VFZP8LPVF. P C9/ DFUJFDA VFJTL DFICTLq5ZF DFUTL VZHL  
; DI D1 FNFDA 55tI JTZ 5F9JJF VU[SF/HL ZFBJF4 HFCZ DFICIT VIWSFZL VG[0%I ]BL . HGZ zl4 G[ VF5L TFSLN  
SZJFDA VFJ[ Kp

VF5 p5ZGF IG6t YL GFZFH YI[ CMI 4TM UHZFT DFICTL VF1 MU4 SD1 MUL EJG4 a, MS GR! 4 ALHM DF/4  
IGDF6EJGGL 5FK/4 ; 8Zv! \_vV[UFWLGUZG[INGV) \_DFALHL V5L, SZL XSXMP

GRq J[ 8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5] 8 VF10; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZENZf  
; ]ZT DCFGUZ5FI, SF

5||T4

s! fzl ZDX Sp HFUL04

sZf HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4 DLTEAG UFWLsJ[ 8hMGfsXCZ IJSF; IJEFUfPPPHF6 ; FZP  
s#f; SXG VMO; Z sVFZP8LPVF. ; [ f5||TPPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], [8] VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\*\_qZ\_! \*  
TFP\_&v! \_vZ\_! \*

VZHNFZ ovzL XFT, F, 9FSMZEF. ID: +L

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv JIPALP8[ ZsXCZ IJSF; fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR #\*! 4TF Z)q\_(qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/

HFCZ DFICTL VIWSFZL wJZF YI[ S, Dv! ! DHAGL SFI "JFCL AFATP

; NEbv VZHNFZGL TFP\_&q! \_q! \* GL **SMC/WZ/FAP** \*\_v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL TFP Z)q\_(qZ\_! \* GL VZHLYL VSZ ; M FI 8L4  
; ZNFZ 5, GL ; FD# VOFH6 ZM04 ; ]TGM%, FG Z: L0g; LI , TZLS[; ]T DCFGUZ5FI, SF V[5F; SZ[ Kp HGL ZHFIRÖL  
GS, VF ; FY[; FD[ Kp Kf, FW6F ; DI YL Z: L0g; LI , J5ZFX AW SZLG[SMDXL1 , J5ZFX SZJFDAVFJ[Kp H[VU]  
CDMG[; BT JFWM Kp TM; ]T DCFGUZ5FI, SF SMDXL1 , 5J1T ZMSJF DF8[HLPOLP; LPVFZP TYF ALP5LPVDP; LP VS8DA  
XJHMUJF. K[T[VU]GL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDAVFJ[ Kp

; NZ VZHL AFAT[ VZHNFZ FFZT TFP\_&q! \_qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL FFZT DFICTL 5ZL  
5F0JFDA VFJ[ G CMI IG1 DMG; FZ IJGF DkI[ DFICTL DVJJF V5L, ; ZFWSFZLG[ 5YD V5L, SZ[ Kp HGF  
VG; WFG[V+YL V5L, VZHL GSMC/WZ/FAP/GP\*\_Z\_! \* TFP\_&q! \_q! \* YL VF5[ DFICTLGL 5JTF SZJF  
HF6 SZ[ P HGL 5JTF SZ[ GYLP VFZP8LPVF. VS8GL S, D \*s! f C9/ VZHNFZG[ ING v#\_ DF DFICTL 5ZL  
5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL SM. DFICTL 5ZL 5F0JFDA VFJ[ GYLP H[  
VU[GLR[DHAGM CSD SZL V5L, GMIGSF, SZJFDAVFJ[Kp

### o CSD o

VZHNFZGL D/ VZHL4 V5L, VZHL TPH p5, aW CSLST wI FG[ , ITF GLR[DHAGM CSD SZL V5L, GM  
IGSF, SZJFDAVFJ[Kp

VZHNFZGL GL TFPZ)q\_(q! \* GL VZHLYL DFUJFDA VFJ[ DFICTL VU[ VFZP8LPVF. P VS8GL S, Dv\*s&f  
C9/ IJGF DkI[ INGV\_\* DFV+GF p5, aW ZS0" DHA DFICTL VZHNFZLG[ 5ZL 5F0JF TPH VFZP8LPVF. P C9/  
VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JF 5J1TZ 5F9JJF VU[ SF/HL ZFBF  
HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zL4 J:8 hMG[GTFSLN SZJFDA VFJ[Kp

VZHNFZGL ; NZ CSDYL GFZFH CMI TM UJHZFT DFICTL VF1 MU4 SD1 MU1 EJG4 ZFH1 S1FGL SRZLVM a, MS  
GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; S8Z GM! \_v V[ UFVIGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5] B VFIO; Z VG[  
SFI '5F, S . HGZs5lzd hFGvZENZF  
; ]T DCFGUZ5FI, SF

5JT4

s! fZL XFT, F, 9FSMZEF. ID: +L4

SZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 TDFD sJ:8hMGfsXCZ IJSF; IJEFUFPPPHF6 ; FZ[  
s#f; S[XG VMO; Z sVFZP8LPVF. ; f5JTTPPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], [8] VMOL; Z VG[  
SF] "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\* \_qZ\_! \*  
TFP\_&v! \_vZ\_! \*

VZHNFZ ovzL XFT, F, 9FSMZEF. ID: +L

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv JLPALP8[ ZsXCZ IJSF; fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR #\*! 4TF Z)q\_(qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJFZ YI[ S, Dv! ! DHAGL SFI "JFCL AFATP

; NEbv VZHNFZGL TFP\_&q! \_q! \* GL **SMC/WZ/FAP** \* \_v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[; NE"AFAT[H6FJFG]S[VZHNFZGL TFP Z)q\_(qZ\_! \* GL VZHL YL VSZ ; M FI 8L  
; ZNFZ 5], GL ; FD# VOFH6 ZM04 ; ZTGM%, FG Z[ Log; LI , TZLS[; ]T DCFGUZ5FI, SF V[5F; SZ[ Kp HGL ZHFIRÖL  
GS, VF ; FY[; FD[ Kp Kk, FW6F ; DI YL Z[ Log; LI , J5ZFX AW SZLG[SMDXL1 , J5ZFX SZJFDAVFE[Kp H[VU]  
CDMG[; BT JFWM Kp TM; ]T DCFGUZ5FI, SF SMDXL1 , 5J1T ZMSJF DF8[HIPOLP; LPVFZP TYF ALP5LPVDP; LP VS8DA  
XJHMUJF. K[T]VUJGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDAVFE[Kp

; NZ VZHL AFAT[ VZHNFZ FFZT TFP\_&q! \_qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL FFZT DFICTL 5ZL  
5F0JFDAVFE[Kp G CMI IGI DMG; FZ IJGF DkI[ DFICTL D/JJF V5L, ; ZFVIWSFZLG[ 5YD V5L, SZ[ Kp HGF  
VG; WFG[V+YL V5L, VZHL GSMC/WZ/FAP/GP\* \_Z\_! \* TFP\_&q! \_q! \* YL VF5[ DFICTLGL 5JTTF SZJF  
HF6 SZ[ P HGL 5JTTF SZ[ GYLP VFZP8LPVF. VS8GL S, D \*s! f C9/ VZHNFZG[ ING v#\_ DF DFICTL 5ZL  
5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL SM. DFICTL 5ZL 5F0JFDAVFE[Kp GYLP H[  
VUJGLR[DHAGM CSD SZL V5L, GMIGSF, SZJFDAVFE[Kp

o CSD o

VZHNFZGL D/ VZHL V5L, VZHL TPH p5, aW CSLST wI FG[ , ITA GLR[DHAGM CSD SZL V5L, GM  
IGSF, SZJFDAVFE[Kp

VZHNFZGL GL TFPZ)q\_(q! \* GL VZHL YL DFUJFDAVFE[Kp DFICTL VU[ VFZP8LPVF. P VS8GL S, Dv\*s&f  
C9/ IJGF DkI[ INGV\_\* DFV+GF p5, aW ZS0" DHA DFICTL VZHNFZLG[ 5ZL 5F0JF TPH VFZP8LPVF. P C9/  
VFEJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JF q 5J1TZ 5F9JJF VU[ SF/HL ZFBF  
HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ ZL4 J:8 hMG G[TFSLN SZJFDAVFE[Kp

VZHNFZGL ; NZ CSDYL GFZH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFH1 S1FGL SRZLVM a, MS  
GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; S8Z GM! \_v V[ UFVLGUZ BFT[ALHI V5L, SZL XS[Kp

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

5|T4  
s! fzl XFT, F, 9FSMZEF. ID: +L4  
sZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 TDFD sJ:8hMGfsXCZ IJSF; IJEFUFPPPHF6 ; FZ  
s#f; SxG VM0; Z sVFZP8LPVF. ; f5|TPPPP HF6 ; FZ

sOLPVFZPUMIC, f  
V[5], B V[10; Z VG[  
SF] "5F, S . HGZs5lZD hFGvZENZF  
; ]T DCFGUZ5FI, SF



OLPVFZPUMIC,  
V[5], [8] VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP\***! qZ\_! \*  
TFP! Zv! \_vZ\_! \*

VZHNFZ ovzL DG; ]BEF. 5M58EF. SFSOLI F

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZv V[G]P5LPXFC sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR ! &\_4TFZ)q\_5qZ\_! \* GL VZHL YL VFZP8LPVF. PC9/  
HFCZ DFICTL VIWSFZL wJFZ YI[, S, Dv! ! DHAGL SFI 'JFCL AFATP

; NEbV VZHNFZGL TFP\_&! \_q! \* GL **SMC/WZ/FAP** \*! v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL VF. POLPGAZv! &\_4TFZ)q\_5qZ\_! \* GL  
VZHL YL ZPg1]; J[GAZv!] 4 a, MS GAZv! ZZ 8LP5LPGAZv! ! p5Z C[T, V5P IJEFUV! VG[IJEFUVZ GL  
EMI T/LI FGF 5FSLUDA; NZ U[ZSFN] Z AFWSFD NZ SZJF VgJ1[; ]T DCFGUZ5FI, SF TZ0YL YI[, SFI 'JFCLGL GS, M  
VF5JF VU[GL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDAVFJ[, Kp

; NZ VZHL AFAT[ HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZL AFZF 5+ GRJ: 8hMG q VFZP8LPVF. P ; [ q  
5\_( TFPZ\*q\_\*qZ\_! \* YL 5tI]TZ VF5JFDAVFJ[, Kp H[D]HA V+GL SRZLG NOTZL Z\$0"RSF; GF DFuI F DHAGL  
DFICTL p5, aW H6FTL GYIPTD KTFVF5 . rK\$ CMI TM GLR[; CL SZGFZGM VFUMTZF; DI D/JL NOTZL RSF; 6L  
SZJF :JT+ Kp V[5DF6[H6FJ[, Kp

VFD p5ZMST IJUTM HMTAGLR[DHAGMCSD SZJFDAVFJ[Kp

o CSD o

VZHNFZGL VF. POLPGR ! &\_4TFZ)q\_5qZ\_! \* V5L, VZHL GR **SMC/WZ/FAP/GP\***! qZ\_! \*v! ( TFP! Zq! \_q! \* VF5JFDAVFJ[, Kp HGF VG] WFG[V+GF, FUT HFCZ DFICIT VIWSFZL AFZF 5F9JFDAVFJ[, 5+  
GAZqJ: 8hMG q VFZP8LPVF. P ; [ q 5\_( TFPZ\*q\_\*qZ\_! \* DHAGM 5tI]TZ wI FG[, TFA VFZP8LPVF. PC9/ DFUJFDA  
VFJTL DFICTL q5ZJF VU[VZHNFZ AFZF , FUT HFCZ DFICTL VIWSFZGM NOTZL RSF; 6L DF8[VFUMTZF; DI D/JL  
DFICTL D/JJF TDH NOTZL RSF; 6L YI F AFN VZHNFZG[DFuI F DHAGL DFICTL IJGFDkif 5ZL 5F0JF 4HFCZ DFICTL  
VIWSFZL VG[0%I]BL . HGZL G[ H6FJJFDAVFJ[Kp

VZHNFZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VFIMJ4 SD" MJL EJG4 ZFH1 S1FGL SRZLVMA, MS  
GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V[ UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ: 8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5], [8] VMOL; Z VG[  
SFI '5F, S . HGZs5lZD hFGvZENZf  
; ]T DCFGUZ5FI, SF

5|T4  
s! fzL DG; ]BEF. 5M58EF. SFSOLI F  
sZf HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ4 V[G]P5LPXFC4 sJ: 8hMGfsXCZ IJSF; IJEFUFPPPHF6 ; FZP  
s#f; \$XG VM0; Z sVFZP8LPVF. ; [ f5|TPPPPFF6 ; FZ]



OLPVFZPUMIC,  
V[5], [8 VMOL; Z VG[  
SF1 "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ )P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\*ZqZ\_! \*  
TFP\_Zv! ! vZ\_! \*

VZHNFZ ovzL ZDX SPHFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv VGP5LPXFC sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov VZHNFZ GL J: 8hMG VF. POLPGR \$\_# 4TF ! 5q\_)qZ\_! \* GL 8LP5LPV( s5F, G5MZf OFP%, M8v5!  
DRVFJ, GJ; HG IJnF, I GF AFBSFDGL VUGL DFICIT AFATP

; NEbV VZHNFZGL TFP\_Zq! ! q! \* GL **SMC/WZ/FAPq \*ZqZ\_!** \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ aFZF TFP ! 5q\_)qZ\_! \* GL VZHL GL 8LP5LPV( s5F, G5MZf OFP%, M8v5!  
DRVFJ, GJ; HG IJnF, I DRU[ZSFN]Z AFBSFD NZ SZJF VUGL DFICITL DFUTL VZHL  
V+GF hMG BFT[SZJFDAVFEJ, P

; NZ VZHL AFAT[VZHNFZ G[ IGIT' ; DI DI FNFDFA[S]AFNDA HFCZ DFICTL VIWSFZL FFZF DFICTL 5ZL  
5F0JFDA VFJ, G CMI IGIDMG; FZ IJGF DkI DFICTL DVJJF V5L, ; ZFWSFZLG[ 5YD V5L, SZ[ Kp HGF  
VG; WFG[ V+YL V5L, VZHL Gb **SMC/WZ/FAP/GP\*Z/Z\_!** \* TFP\_Zq! ! q! \* YL DFICTLGL 5JTTF SZJF HF6  
SZ[ P HGL 5JTTF SZ[ GYLP VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DR DFICITL 5ZL 5F0JFGL CMI  
Kp V+YL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL SM. DFICITL 5ZL 5F0JFDA VFJ, GYLP H[ VU[ GLR[  
DHAGMCSD SZL V5L, GMIGSF, SZJFDAVFEJ[Kp

## o CSD o

VZHNFZL GL D/ VZHL4 V5L, VZHL TDPH p5, aW CSLST wI FG[ , ITA GLR[ DHAGMCSD SZL V5L, GM  
IGSF, SZJFDAVFEJ[Kp

VZHNFZL GL TFP! 5q\_)q! \* GL VZHLYL DFUJFDAVFEJ DFICTL VU[ VFZP8LPVF. P V\$8GL S, DV\*s&f  
C9/ IJGF DkI [INGv\_\* DFV+GF p5, aW Z\$0" DHA DFICITL VZHNFZL LG[ 5ZL 5F0JF TDPH VFZP8LPVF. P C9/  
VFJTL DFICITL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICITL 5ZL 5F0JFq 5tI JTZ 5F9JJF VU[ SF/HL ZFBJF  
HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ ZI4 J: 8 hMG[GTFSLN SZJFDA VFJ[Kp

VZHNFZL ; NZ CSDYL GFZH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHIS1FGL SRZLVM a, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V# UWLGUZ BFT[ALHI V5L, SZL XS[Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V[5], [8 V#0; Z VG[  
SF1 "5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4

s! f zL ZDX SP HFUL04

sZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 VGP5LPXFC SJ: 8hMGfsXCZ IJSF; IJEFUF4 HF6 TYF VD, ; FZP  
s#f HP . HGZ4 JIPAIPL8[ Z SJ: 8hMGfsXCZ IJSF; IJEFUF4 HF6 TYF VD, ; FZP



OLPVFZPUMIC,  
V[5]\_8 VMOL; Z VG[  
SF1 '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1 ]ZENZ ZM04; ]T v #) 5 \_\_\_\_ )P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\*#qZ\_! \*  
TFP\_#v! ! vZ\_! \*

VZHNFZ ovzL Z6HLTEF. 9FSMZEF. ID: +l4

; FDFJF/F ov TDFD HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4 sXCZ IJSF; fsJ[8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL VZHNFZGL DY VF. POLPGR! Z()4 TFP! ! q\_)q! \* sJ[8hMG VF. POLPGR \$Z\_4  
TFP Z! q\_)qZ\_! \* fGL VZHL YL VFZP8LPVF. P C9/ HFCZ DFICTL VIWSFZL WJFZF YI[  
S, Dv! ! D]HAGL SF1 "JFCL AFATP

; NEbV VZHNFZGL TFP\_#q! ! q! \* GL **SMC/WZ/FAP** \*#v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[; NE"AFAT[H6JJFG]S[VZHNFZGL VZHNFZGL DY VF. POLPGR! Z()4 TFP! ! q\_)q! \*  
sJ[8 hMG VF. POLGAZv\$Z\_4TFPZ! q\_)qZ\_! \* fGL VZHL YL ; ]T DCFGUZ 5FI, SF T]DGL DFICTL DFUTL VZHL  
V+GF hMG BFT[SZJFDF\VFJ[ Kp  
; NZ VZHL AFAT[HFCZ DFICTL VIWSFZL VG[0%I BL . HGZzL äFZF 5+ GRJ[8hMG q VFZP8LPVF. P ; , q  
\*\$Z TFP\_\*q! \_qZ\_! \* YL D]F GAZv! VG[Z GM 5tI]TZ VF5JFDF\VFJ[ Kp H[ DFICTL DFUTL VZHNFZGL  
TFP\_#q! ! q! \* GL **SMC/WZ/FAP** \*#v! \*v! ( GL VZHL VFJ[ P  
VFD p5ZMST IJUTM HMTFGLR[D]HAGMC]SD SZJFDF\VFJ[ Kp

### o CSD o

VZHNFZGL VZHL VF. POLPGR\$Z\_4 TFPZ! q\_)qZ\_! \* GF D]F GR! VG[ Z DF8[ V5L, VZHL  
GPSMC/WZ/FAP/GP\*#qZ\_! \*v! ( TFP\_#q! ! q! \* VF5JFDF\VFJ[ Kp H[GF VG[ WFG[ V+GF , FUT HFCZ  
DFICIT VIWSFZL äFZF 59JJFDF\VFJ[ 5+ GAZqJ[8hMG q VFZP8LPVF. P ; , q\*\$Z TFP\_\*q! \_qZ\_! \* D]F GAZv!  
VG[Z GM 5tI]TZ VF5JFDF\VFJ[ Kp H[5tI]TZYL VZHNFZ 5MT[V; T]D9 CMJFG]H6FJ[ Kp H[YL pST HFCZ DFICTL  
VI3SFZLZL 5\$IGM VFUMTZF ; DI D]JL ~A~ ; RE/L VZHNFZZLG[ ; TMDFZS 5tI]TZ 59JJF HFCZ DFICTL  
VI3SFZLZLG[C]SD SZJFDF\VFJ[ Kp VG[ VF V5L, GMIGSF, SZJFDF\VFJ[ Kp

VZHNFZZL ; NZ C]SDYL GFZFH CMI TM U]HZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHI S1FGL SRZLVM a, MS  
GRv! 4ALHMDF/ IGDF6 EJG 5FK/4; 58Z GM! \_v V]UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ[8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*p

sOLPVFZPUMIC, f  
V[5]\_8 VMOL; Z VG[  
SF1 '5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4

s! f zL Z6HLTEF. 9FSMZEF. ID: +l4

sZf TDFD HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ sJ[8hMGfsXCZ IJSF; IJEFUF4 HF6 TYF VD, ; FZP  
s#f TDFD H[ . HGZ4 sJ[8hMGfsXCZ IJSF; IJEFUF4 HF6 TYF VD, ; FZP



OLPVFZPUMIC,  
V[5]\_8 VMOL; Z VG[  
SF1 '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1 ]ZENZ ZM04; ]T v #) 5 \_\_\_\_ )P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\*#qZ\_! \*  
TFP\_#v! ! vZ\_! \*

VZHNFZ ovzL Z6HLTEF. 9FSMZEF. ID: +l4

; FDFJF/F ov TDFD HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4 sXCZ IJSF; fsJ[8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL VZHNFZGL DY VF. POLPGR! Z()4 TFP! ! q\_)q! \* sJ[8hMG VF. POLPGR \$Z\_4  
TFP Z! q\_)qZ\_! \* fGL VZHL YL VFZP8LPVF. P C9/ HFCZ DFICTL VIWSFZL WJFZF YI[  
S, Dv! ! D]HAGL SF1 "JFCL AFATP

; NEbV VZHNFZGL TFP\_#q! ! q! \* GL **SMC/WZ/FAP** \*#v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[; NE"AFAT[H6JJFG]S[VZHNFZGL VZHNFZGL DY VF. POLPGR! Z()4 TFP! ! q\_)q! \*  
sJ[8 hMG VF. POLGAZv\$Z\_4TFPZ! q\_)qZ\_! \* fGL VZHL YL ; ]T DCFGUZ 5FI, SF T]DGL DFICTL DFUTL VZHL  
V+GF hMG BFT[SZJFDF\VFJ[ Kp  
; NZ VZHL AFAT[HFCZ DFICTL VIWSFZL VG[0%I BL . HGZzL äFZF 5+ GRJ[8hMG q VFZP8LPVF. P ; , q  
\*\$Z TFP\_\*q! \_qZ\_! \* YL D]F GAZv! VG[Z GM 5tI]TZ VF5JFDF\VFJ[ Kp H[ DFICTL DFUTL VZHNFZGL  
TFP\_#q! ! q! \* GL **SMC/WZ/FAP** \*#v! \*v! ( GL VZHL VFJ[ P  
VFD p5ZMST IJUTM HMTFGLR[D]HAGMC]SD SZJFDF\VFJ[ Kp

### o CSD o

VZHNFZGL VZHL VF. POLPGR\$Z\_4 TFPZ! q\_)qZ\_! \* GF D]F GR! VG[ Z DF8[ V5L, VZHL  
GPSMC/WZ/FAP/GP\*#qZ\_! \*v! ( TFP\_#q! ! q! \* VF5JFDF\VFJ[ Kp H[GF VG[ WFG[ V+GF , FUT HFCZ  
DFICIT VIWSFZL äFZF 5F9JJFDF\VFJ[ 5+ GAZqJ[8hMG q VFZP8LPVF. P ; , q\*\$Z TFP\_\*q! \_qZ\_! \* D]F GAZv!  
VG[Z GM 5tI]TZ VF5JFDF\VFJ[ Kp H[5tI]TZYL VZHNFZ 5MT[V; T]D9 CMJFG]H6FJ[ Kp H[YL pST HFCZ DFICTL  
VI3SFZLZL 5\$IGM VFUMTZF ; DI D]JL ~A~ ; RE/L VZHNFZZLG[ ; TMDFZS 5tI]TZ 5F9JJF HFCZ DFICTL  
VI3SFZLZLG[C]SD SZJFDF\VFJ[ Kp VG[ VF V5L, GMIGSF, SZJFDF\VFJ[ Kp

VZHNFZZL ; NZ C]SDYL GFZFH CMI TM U]HZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHI S1FGL SRZLVMa, MS  
GRv! 4ALHMDF/ IGDF6 EJG 5FK/4 ; S8Z GM! \_v V]UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ[8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*p

sOLPVFZPUMIC, f  
V[5]\_8 VMOL; Z VG[  
SF1 '5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4

s! f zL Z6HLTEF. 9FSMZEF. ID: +l4

sZf TDFD HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ sJ[8hMGfsXCZ IJSF; IJEFUF4 HF6 TYF VD, ; FZP  
s#f TDFD H[ . HGZ4 sJ[8hMGfsXCZ IJSF; IJEFUF4 HF6 TYF VD, ; FZP



OLPVFZPUMIC,  
V[5], [8] VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF/F; FC[A NJZ; ZM04 TFOJFOL4  
g1 ]ZENZ ZM04; ]T v #) 5 \_\_\_\_ )P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP**/GP\*\$qZ\_! \*  
TFP\_#v! ! vZ\_! \*

VZHNFZ ov zL IN, l5EF. RLDG, F, HlP; FC[A  
; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZv HlPV[DPOMF sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR \$\_\_ 4TF ! \$q\_)qZ\_! \* GL VZHL YL VFZP8LPVF. P CP/  
; ]T DCFGUZ5FI, SFGF ; DFJX JM" GV! ( GMW GRVFZPV; PGR(\_q! \_ ( 5\$L ; F , L, F  
; M; FI 8L JF/L ID, STGF %, FG DHZLGL GS, 4 ZHFIRÖLGL GS, 4 VFSL8\$8G] 5DF65+4  
5LP1P; LP4 ALP1P; LP IJUZ[GS, VF5JF AFATP

; NEbv VZHNFZGL TFP\_#q! ! q! \* GL **SMC/WZ/FAP** \*\$qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI [ VFZP8LPVF. P V\$8 CP/ VZHL SZGFZ VZHNFZ zL IN, l5EF. RLDG, F, HlP; FC[A4 ! \*Z  
, LTF 5FS"; M; FI 8L4 STFZUFD4 ; ]TGF ZF. 8 8]. g0MDXG V\$8vZ\_\_5 CP/GL TFP! \$v\_)v! \* GL VZHL YL  
H6fjF ; ]T DCFGUZ5FI, SFGF ; DFJX JM" GV! ( GMW GRVFZPV; PGR(\_q! \_ ( 5\$L ; F , L, F ; M; FI 8L JF/L  
ID, STGF %, FG DHZLGL GS, 4 ZHFIRÖLGL GS, 4 VFSL8\$8G] 5DF65+4 5LP1P; LP4 ALP1P; LGL GS, 4 ID<ST DF1, SG]  
AFCWZL 5+ GL GS, IJUTJFZ DFICTL D/JJF HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZzL HlPV[DPOMF sXCZ IJSF;  
IJEFUF4 5IÜD sZENZf hMGGL SRZLDA TFP! \$v\_)v! \* GR ZMH VZHL SZJFDA VFJ, P HGM VF. P OLP GP\$  
50[ CTIP HGF VG]; WFG[ HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZzL HlPV[DPOMF sXCZ IJSF; IJEFUF TZOYL  
VZHNFZG[ VF5JF HMU ZCITL XCZ IJSF; IJEFUGL DFICTL TMIGR5+ SDFS GRPJ: 8 hMGqVFZP8LPVF. qVFPGR(! \_4  
TFPZ5v! \_vZ\_! \* YL VZHNFZ G[ VFZP8LPVF. P VZHL YL DFUJ, DFICTL VU[ HJFAL5+ 5F9JTM 5+ 5F9JJFDA  
VFJ, P

5YD V5L, VZHL **SMC / SWZ / FAP / NO. 74/2017-18** YL GMWFI, CTIP tI FZAFN pST V5L,  
VZHL AFAT[ VZHNFZ zL IN, l5EF. RLDG, F, HlP; FC[A TDH , FUT HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZzL  
HlPV[DPOMF sZENZ hMGfG[ CDMGLR[; CL SZGFZ V5L, VIWSFZL VG[SFI '5F, S . HGZsj: 8 hMGf ; ]TGL SRZL ; D1F  
TFP\_5v! ZvZ\_! \* GR ZMH \$ o Z\_ S, FS[ V5L, VUGL ~A~ ; GFJ6LDA CFHZ ZCJF V+GR 5+ GR J: 8sZENZf  
hMGqVFZP8LPVF. qVFP ) ! ! 4 TFPZ) v! ! vZ\_! \* GF 5+YL HF6 SZ, CTIP TYF T[ TFZLB VG[ ; DI[ VZHNFZzL  
CFHZ ZCIFG CTF TDH , FUT HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZzL HlPV[DPOMF V5L, VUGL ~A~ ; GFJ6L  
NZdI FG CFHZ ZC, CTF VG[TIDGF51F[DFUJ, DFICTL VU[GLR[DHA ZH[VFTMSZ, CTIP

VZHNFZGL V5L, VUGL ZH[VFT AFAT[ , FUT HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZzL HlPV[DPOMF  
sJ: 8 hMGf TZOYL ZH[VFT SZJFDA VFJ, S[ cc VZHNFZGL VZHL GR VG]; WFG[ DFUJFDA VFJ, DFICTL VM HFCZ  
DFICTL VIWSFZLzL TZOYL DFICTLGS, VZHNFZG[ ; ZGFD[ DM, JFDA VFJ, Kp VFD VZHNFZG[ HFCZ DFICTL  
VIWSFZLzL TZOYL DFICTLGS, VZHNFZG[ ; ZGFD[ DM, JFDA VFJ, Kp VFD VZHNFZG[ HFCZ DFICTL

## C]SD

VZHNFZGL DY VZHL4 V5L, VZHL T|DH p5, aW CSLST w|FG[ , |TF| 5YD V5L, VZHL GR SMC/SWZ/FAP/74/2017-184 TFp0\_#q! ! qZ\_! \* VgJ1[ GLR[D]HAGM CSD SZL V5L, GMIGSF, SZJFDA VFJ[ Kp

VZHNFZGL VZHL V+[D?IF TFp ! \$v\_) vZ\_! \* Gf VG; WFG[ DFUJFDA VFJ[ DFICTLVM HFCZ DFICTL VIWSFLZL TZ0YL DFICTLGL GS, VZHNFZG[; ZGFD[DM, JFDFVFEJ[ Kp VFD VZHNFZG[HFCZ DFICTL VIWSFLZL TZ0[V+GL SRZL BFT[p5, aW DFICTL 5ZL 5F0JFDA VFJ[ Kp H[w|FG[ , |TF VZHL VU[IJXDF SM. SFI "JFCL SZJFGL ZCITL G CMI 4 V5L, VZHLGMIGSF, SZJFDA VFJ[ Kp

5YD V5L, GACSD S[TGL VD, JFZL AFAT[VF5 GFZFH S[V; T]8 CMI TM VFZP 8LP VF. P V\$8GF\SFN FGL S, D ! ) s#f C9/ UHZFT DFICTL VFIMU4 ccsd\mul EJGc4 a, MS GR ! 4 ALHMDF/4 IGDF6 EJGGL 5FK/4 ; \$8Zv! \_vVf UFWLGUZG[ 5YD V5L, Gf CSD ING v )\_ DF\GFDNFZ VFIMUZLG[ ALHL V5L, SZJF VUGL HMUJF. Kp

GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLB0v v vZ\_! \*p  
s0LPVFZPUMIC, f  
V5[ 8 VF10; Z VG[  
SFI '5F, S. HGZs5IzD hFGvZNZf  
; ZT DCFGUZ5F1, SFp

5|T4

s! fzl IN, l5EF. RLDG, F, HlP; FC[A 4  
sZf HFCZ DFICTL VIWSFL VG[0%I BL . HGZ4 HlPVDPOMUF sJ[8hMGfsXCZ IJSF; IJEFUFPPPHE6 ; FZP



V5L, VIWSFZL VG[VF; LP SIDxGZ  
 J[8 sZFNZf hMG4  
 OFPAF/F ; FCIA NJZ; ZM04  
 ZFNZ ZM04  
 ; ZT DCFGUZ5FI, SF4; ZTP



OMG GAZ o \_Z&! vZ\*(&! (! v(Zv(#

J[8 hMG VMIO; 4; ZT DCFGUZ5FI, SF4; ZTP

**SMC/WZ/FAP/NO.75/2017**  
 TFZLB o\_) q! ! qZ\_! \*

VZHNFZ ov zl Vfhn DMPZlhJFG VaN], ZA

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[5; MG], VMIO; Zzl4

OZLI FNGL CSLST ov

IJQFI ov ZF. 8 8]. gOMDIXG VS8 Z\_\_5 C9/GL zl zl Vfhn DMPZlhJFG VaN], ZAGL  
 TFP\_) v! \_vZ\_! \* GL D/V VZHLDFH6FjFDHA ; ZT DCFGUZ5FI, SFDFOZH  
 AHFJTF SDRFZL GF OZH ; DI qI GLOMD" HJF DPF GRV! YL & GL DFICTL VF5JF  
 AFATP

; NE" ov VZHNFZGL D/V VF. POLPGV! 555 TFP\_\*q! \_q! \* s5lUD hMG  
VF. POLPGP\$&&4 TFP ) v! vZ\_! \* f TDH V+GL TFP\_) q! ! q! \* GL 5YD  
 V5L, VZHL GR **SMC/WZ/FAP/75/17-18**

p5ZMST IJQFI [VFP8LPVF. P VS8 C9/ VZHL SZGFZ VZHNFZ zl Vfhn DMPZlhJFG VaN], ZA4  
 VF5ZLGL p5ZMST IJQFI VG} WFGDF VFP5GF wJZF ZF. 8 8]. gOMDIXG VS8 C9/YL DFUJFDF VEFJ, J[8  
 sZFNZf hMG C:TSGF DCSD IJEFUGF ZS0" HMTF ; ZT DCFGUZ5FI, SFDFOZH AHFJTF SDRFZL GF OZH  
 ; DI qI GLOMD" HJF DPF GRV! YL & GL DFICTL H[AFAT[HJFAL 5+ 5F9JJFDF VEFJ, P

H[ ; NE" VZHNFZ[ IGINQ8 ; DI DF5TEFJ D?IMGYL CMJFG] H6FJL TFP\_) v! ! vZ\_! \* GRZMH  
5YD V5L, VZHL V+GF V5L, VIWSFZL VG[ VF; LP dI ]GP SIDxGZzI4 sJ[8sZFNZf hMG4 ; ZT  
DCFGUZ5FI, SF4; ZTGL SRZL VNG[D/, PH[5YD V5L, VZHL TFP\_) q! ! q! \*4 SMC / WZ / FAP /  
**NO. 75/2017-18 YL GINFI, CTL**

tI FZAFN pST V5L, VZHL AFAT[ VZHNFZ zl Vfhn DMPZlhJFG VaN], ZA TDH , FUT HFCZ  
 DFICTL VIWSFZL VG[5; MG], VMIO; Zzl4s J[8 hMGf G[V5L, VIWSFZL VG[ VF; LP SIDxGZ sJ[8 hMGf  
 ; ZTGL SRZL ; D1F TFPZ(v! ! vZ\_! \* GRZMH ; FH[\_\$ o \_\_ S, FS[V5L, VUGL ~A~ ; JFJ6LDFCFHZ  
 ZCJF V+GR5+ GP JP hMG sZFNZf q VFP8LPVF. q VFP(( \*4 TFP! \*v! ! vZ\_! \* YL H6FJFDF VEFJ, P  
 pST H6FJ, TFZLB VG[; DI [VZHNFZzI UZCFHZ ZC1F CTF4 TDH , FUT DFICTL VIWSFZL VG[5; MG],

VMO; ZZL4V5L, VUGL ~A~ ; GFJ6L NZdI FG CFHZ ZC, CTF VG[T]DGM 51F TYF IJUTM VU[GLR[D]HA  
ZH[VFTMSZ], CTL

VZHNFGZL V5L, VUGL ZH[VFT AFAT], FUT HFC[Z DFICTL VIWSFZL VG[5; MG, VMO; ZZL4  
sJ[8 hMGf TZOLZ ZH[VFT SZJFDA VFJ, S# VZHNFGZL V[DFU, DFICTLDF, FUT DJFGL V+GF Z\$O"5Z H[  
DFICTL p5, aW CTL T[ DFICTL 5+ GRJ[8 hMGq VFZP8LPVF. P; , P(5\$ TFP\_\*q! ! qZ\_! \* YL VF5JFDA  
VFJ, Kp TD H6FJ, P

## CSD

VZHNFGZL D/V VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , TFA 5YD V5L, VZHL GR  
**SMC/WZ/FAP/75/2017-184 TF0\_**) q! ! qZ\_! \* VgJI [ GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA  
VFJ[Kp

VFZP8LPVF. PVS8VZ\_\_5 C9/GL DFICTL DFUTL VZHNFGZL VF. POLPGPV! 555 TFP\_\*q! \_q! \*  
VgJI [ HFC[Z DFICTL VIWSFZL VG[5; MG, VMO; Z4 5IUD hMG sZFNZf aFZF VZHNFGZ[5+ GR J[8  
hMGq VFZP8LPVF. P; , q(5\$4 TFP\_\*q! ! qZ\_! \* YL DFICTLqHJFA 5F9JJFDA VFJ, CMI TYF V5L, ; GFJ6L  
JBT[ZH[VFTGL I MUL TS VF5JF KTA VZHNFGZ UZCFHZ ZC, CMI VFD4 JW]SM. ZH[VFT VZHNFGZ[5L,  
TASS[SZ, G CMI 4 V5L, VZHL 5\$Z6[JW]SF SZJFG[ZCT]GYLP pST H6FJ, 5F9J, HJFAqDFICTL  
5+GL GS, HF6 DF8[VF ; FY[; FD, Kp H[IJINT YFI P

5YD V5L, GFACSD S[TGL VD, JFZL AFAT[VF5 GFZFH S[V; T]8 CMI TM VFZP 8LP VF. P VS8GF  
SFI NFGL S, D ! ) S#f C9/ UHZFT DFICTL VFIMU4 ccSD1MUL EJGcc4 a, MS GR ! 4 ALHMDF/4 IGDF6  
EJGGI 5FK/4 ; S8Zv! \_vV# UFWLGUZG[5YD V5L, GFACSD ING v )\_ DFAGFDNFZ VFIMUZLG[ALHI  
V5L, SZJF VUGL HMUJF. Kp

IAOF6ov p5Z D]HAP

GRJ[8sZFNZf hMGq VFZP8LPVF. PqVFP  
TFZLBov v! ZvZ\_! \*P

s VPVDPZFH f  
V5L, VIWSFZL VG[VF; IP SIDxGZ  
J[8 sZFNZf hMG4  
; ZT DCFGUZ5FI, SF

GP ZJFGF o zl VFhFN DMPZlhJFG VaN], ZA4

GP ZJFGF o HFC[Z DFICTL VIWSFZL VG[5; MG, VMO; ZZL4 J[8 hMG4; ZT4 5|T4PPHF6 TYF VD,  
; F~P



OLPVFZPUMIC,  
V[5], B VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP\*&qZ\_!** \*  
TFP! \_v! ! vZ\_! \*

VZHNFZ ovzL ; ]X Z6KMOEF. 58[

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv HLPV|DPOMUF sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR \$Z(4TFZ5q\_)qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF YI[, S, Dv! ! DHAGL SFI UFCL AFATP

; NEbv VZHNFZGL TFP! \_q! ! q! \* GL **SMC/WZ/FAP** \*&v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL VF. POLPGAZv\$Z(4TFZ5q\_)qZ\_! \* GL  
VZHLYL 8LP5LPV! Z 0E08 YL 8LP5L ! Z OF. G, YIF; DI[VTUT; PDP5FP JTL sVf; J[G\$(\$ sAf; J[G\$(&  
sSf; J[G\$((q! sBf; J[G\$(\$qZ sUf; J[G\$() +4 \$()qZb VG[\$() /Zk HDLG ID, STGM%, M8; AW[  
SaHM; M6F1[, CMI T[; M6F1[ SaHF VUGL DFICTL VG[ HDGF SaHF G; M6F1 F CMI TDGL DFICTL DFUTL VZHL  
V+GF hMG BFT[SZJFDFVFE, Kp

; NZ VZHL AFAT[ HFCZ DFICTL VIWSFZL VG[0%]BL . HGZzL aFZF 5+ GRqJ: 8hMG q VFZP8LPVF. P ; [ q  
(! & TFPZ\*q! \_qZ\_! \* YL 5tI]TZ VF5JFDFVFE, Kp H[DHA V+GL SRZLGF NOTZL Z\$0"RSF; GF DFU1 F DHAGL  
DFICTL p5, aW H6FTL GYIP HYL T[ VUGL DFICTL VF5L XSFI VP GYIP J3DA 8LP5LP :SJD GRv! ZsV0FH6f  
; GRv! ) \*\* DF0E08 TZLS[TDH; GRv! ))\_ 8LP5LP:SJD TZLS[TDH YI[, Kp V[5DF6[H6FJ[, Kp

VFD p5ZMST IJUTM HMTFGLR[DHAGMCSJD SZJFDFVFE, Kp

o CSD o

VZHNFZGL VF. POLPGR\$Z(4TFZ5q\_)qZ\_! \* V5L, VZHL GR **SMC/WZ/FAP/GP\*&qZ\_!** \*v! ( TFP! \_q! ! q! \* VF5JFDFVFE, Kp HGF VG]; WFG[V+GF, FUT HFCZ DFICIT VIWSFZL aFZF 5F9JJFDFVFE, 5+  
GAZqJ: 8hMG q VFZP8LPVF. P ; [ q(! & TFPZ\*q! \_qZ\_! \* DHAGM5tI]TZ wI FG[, TFAHFCZ DFICTL VIWSFZL GMHJFA  
IMU1 H6FTM CMI V5L, TASS[JW]SFI UFCL SZJFGL ZC[TL GYL V5L, NOTZ[SZJFDFVFE, Kp

VZHNFZzL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VF1 MU4 SD1 MU1 EJG4 ZFHI S1FGL SRZLVM a, MS  
GRv! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; S8Z GV! \_v V[ UFWLGUZ BFT[ALHI V5L, SZL XS[Kp

GRJ: 8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

5|T4  
s! fzl ; ]X Z6KMOEF. 58[ 4

sZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 HLPV|DPOMUF4 sJ: 8hMGfsXCZ IJSF; IJEFUF4 HF6 TYF VD, ; FZP  
s#f HP . HGZ4 JLPALP8[ Z sJ: 8hMGfsXCZ IJSF; IJEFUF4 HF6 TYF VD, ; FZP

sOLPVFZPUMIC, f  
V[5, B VFI0; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SF



V5L, VIWSFZL VG[VF; LP SIDxGZ  
J[ 8 SZFNZf hMG4  
OFPAF/F ; FCIA NJZ; ZM04  
ZFNZ ZM04  
; ZT DCFGUZ5FI, SF4; ZTP



OMG GAZ o \_Z&! vZ\*(&! (! v(Zv(#

J[ 8 hMG VMIO; 4; ZT DCFGUZ5FI, SF4; ZTP

**SMC/WZ/FAP/NO.77/2017-18**  
TFZLB o! (q! ! qZ\_! \*

VZHNFZ ov zl OFP IA|HXSDFZ ; F5ZL F4

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZLZL4

OZLI FNGL CSLST ov

IJQFI ov ZF. 8 8] . gOMDIXG V\$8 Z\_\_5 C9/GL zl OFPIAHXSDFZ ; F5ZL F GL  
TFP! (q! ! q! \* GL D|V VZHLD| H6Fj| F DHA ; ZT DCFGUZ5FI, SFDF; L8L  
I; JLS ; b8Z BFT[ SFDULZLG S, FSM 4ZLXDFGM ; D14 SFDGF INJ; M ZHFGF  
INJ; MGL DFICTL GF IGTL IGI DM 9ZFJM|JU[ZGL 5DFI6T GS, M VF5JF AFATP

; NE" ov VZHNFZGL D|V VF. POLPGR\$ (\*4 TFPZ#v! \_vZ\_! \* T|DH V+GL  
TFP! (q! Zq! \* GL 5YD V5L, VZHL GR **SMC/WZ/FAP/77/17-18**

p5ZMST IJQFI [ VFZP8LPVF. P V\$8 C9/ VZHL SZGFZ VZHNFZ zl OFPIAHXSDFZ ; F5ZL F  
VF5ZLGL p5ZMST IJQFI VG; WFGDFV F5GF wJZF ZF. 8 8] . gOMDIXG V\$8 C9/YL DFUJFDFV FJ[ J[ 8  
SZFNZf hMG C: TSGF ; ZT DCFGUZ5FI, SF ; RFI, T IJIJW ; L8L I; JLS ; b8Z BFT[ SFDULZLG S, FSM ZLXDFGM  
; D14 SFDGF INJ; M ZHFGF INJ; MGL DFICTL GF IGTL IGI DM 9ZFJM|JU[ZGL 5DFI6T GS, M VF5JF AFATP  
HJFAL 5+ 5F9JJFDFV FJ[ P

H[ ; NE" VZHNFZ[ TFP! \*v! ZvZ\_! \* GF ZMH 5YD V5L, VZHL V+GF V5L, VIWSFZL VG[  
VF; LP dI]GP SIDxGZ ZL4 sJ[ 8 SZFNZf hMG4 ; ZT DCFGUZ5FI, SF ; ZTGL SRZL VNG[D/, P H[ 5YD V5L,  
VZHL TFP! (q! Zq! \*4 **SMC / WZ / FAP / NO. 77/2017-18** YL GMF1, CTLP

tI FZAFN pST V5L, VZHL AFAT[ VZHNFZ zl OFPIAHXSDFZ ; F5ZL F T|DH , FUT HFCZ DFICTL  
VIWSFZL VG[VFSFZ6L VG[J; ], FT VIWSFZLZL4s J[ 8 hMGf G[ V5L, VIWSFZL VG[ VF; LP SIDxGZ sJ[ 8  
hMGf ; ZTGL SRZL ; D1F TFP! \$v! ZvZ\_! \* GF ZMH A5M[! o #\_ S, FS[ V5L, VUGL ~A~ ; GFJ6LDFV  
CFHZ ZCJF V+GF 5+ GR JP hMG SZFNZf q VFZP8LPVF. q VFP) ! 54 TFPZ) v! ! vZ\_! \* YL H6FJJFDFV  
FJ[ CTLP T[ TFZLB VG[ ; DI[ VZHNFZ ZL T|DH , FUT HFCZ DFICTL VIWSFZL VG[VFSFZ6L VG[J; ], FT  
VIWSFZLZL V5L, VUGL ~A~ ; GFJ6L NZdI FG CFHZ ZC[ CTF VG[ T|DGM 51F TYF IJUTM VU[ GLR[DHA  
ZH|VFTMSZ[ CTLP

VZHNFZ S[V; PVDP; LP wJZF; RFI, T IJIW; LJS; 68ZMGL SFULZLGF'S, FMS X~ YJFGM ; DI AW YJFGM; DI 4 ZLXQFGM; DI SFDF INJ; MZHFGF INJ; MGL DFICTL VF5JF ZHMFVFT SZI,

VZHNFZGL V5L, VUJGL ZHMFVFT AFAT[, FUT HFCZ DFICTL VIWSFZL VG[ VFSZ6L VG[ J; ] FT VIWSFZLZL4 SJ:8 hMGf TZYL ZHMFVFT SZJFDF VFJ, S# VZHNFZLG VZHL ; NE! 5+ GR VFZP8LPVF. P; [ q(&Z TFP\_(q! ! q! \* C9/ ; LJS; 68ZMGL SFDSFHGF'S, FMS VU[ DFICTL VF5JFDF VFJ, Kp 5ZT]SFDSFHGF ; DI AFAT DFU6L DHA SM. 56 IGTL IGI DM 9ZJMp5, aW G CMI VF5L XSFI VP GYL TD H6FJ, P

### CSD

VZHNFZGL DV VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[, TFA5YD V5L, VZHL GR **SMC / WZ / FAP / NO. 77/2017-18**, TFo! (q! ! qZ\_! \* VgJ1[ GLR[ DHAGM CSD SZL V5L, GMIGSF, SZJFDF VFJ[Kp

VFZP8LPVF. V\$8vZ\_\_5 C9/GL DFICTL DFUTL VZHNFZGL DV VZHL VF. POLPGV ! &\_ \$ TYF J:8 hMG VF. POLPGR \$ (\* TFPZ#v! \_vZ\_! \* GL VZHLYL DFUJFDF VFJ, DFICTL VgJ1[HFCZ DFICTL VIWSFZL wJZF VZHNFZLG ; DI DI FNFDFA V8, [ S[ GRJ:8 hMGq VFZP8LPVF. P; [ pq(&Z TFP\_(q! ! qZ\_! \* YL HJFA 5F9JJFDF VFJ, K[ VG[ TFP! \$v! ZvZ\_! \* GFZMH ~A~ ; GFJ6L AFN INGV\*DF VZHNFZG[HFCZ DFICTL VIWSFZL VG[ VFSZ6L VG[ J; ], FT VIWSFZLZL V[ OZLYL IJUTJFZGL DFICTLqHJFA VR\$ ZH|SZJF H6FJJFDF VFJ[Kp

5YD V5L, GFCS D[ TGL VD, JFZL AFAT[ VF5 GFZFH S[V; T]8 CMI TM VFZP 8LP VF. P V\$8GF SFNFGL S, D ! ) s#f C9/ UHZFT DFICTL VFIMU4 ccSD1MUL EJGcc4 a, MS GR ! 4 ALHMDF/4 IGDF6 EJGGI 5FK/4 ; \$8Zv! \_vV# UFwLGUZG[5YD V5L, GF CSD ING v )\_ DFAGFDNFZ VFIMUZLG[ALHL V5L, SZL XSM KMP

GRJ:8sZFNZf hMGq VFZP8LPVF. PqVFP  
TFZLBov v! ZvZ\_! \*P

s VPPDPZFH f  
V5L, VIWSFZL VG[ VF; LP SIDxGZ  
J:8 sZFNZf hMG4  
; ZT DCFGUZ5FI, SFP

GP ZJFGF o zL zL OFPIAHXSDFZ ; F5ZL1F4  
GP ZJFGF o HFCZ DFICTL VIWSFZL VG[ VFSZ6L VG[ J; ], FT VIWSFZLZL4 J:8 hMG4; ZT45|T4PPHF6 TYF VD, ; F~P



OLPVFZPUMIC,  
V5[ , 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP\*** (qZ\_! \*  
TFPZ#v! ! vZ\_! \*

VZHNFZ ovzL DC[TF DCXS]DFZ INGXR\4

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZv HLPV|DPOMUF s, F. 8 IJEFU f4sJ: 8 hMGf4  
OZLI FNGL CSLST o VZHNFZGL J: 8hMG VF. POLPGR\$&#4 TFP\_) q! \_qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/ HFCZ  
DFICTL VIWSFZL wJFZF YI [ , S, Dv! ! DHAGL SFI "JFCL AFATP

; NEbv VZHNFZGL TFPZ#q! ! q! \* GL **SMC/WZ/FAP \*** (v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL J: 8 hMG VF. POLPGAZ v \$&#4 TFP\_) q! \_qZ\_! \*  
GL VZHL YL ; ]T DCFGUZ 5FI, SF 5F; [T]DGL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDA]VFJ[ Kp  
; NZ VZHL AFAT[HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZzL äFZF 5+ GRqJ: 8hMG q VFZP8LPVF. P ; , q  
(\$\* TFP\_&q! ! qZ\_! \* YL 5t1TZ VF5JFDA VFJ[ Kp H[ DFICTL DFUTL VZHNFZGL TFPZ#q! ! q! \* GL  
**SMC/WZ/FAP \*** (v! \*v! ( GL VZHL VFJ[ P

VFD p5ZMST IJUTM HMTFGLR[D]HAGMCSD SZJFDA]VFJ[ Kp

o CSD o

VZHNFZGL VZHL VF. POLPGR\$&#4 TFP\_) q! \_qZ\_! \* GF DF8[ V5L, VZHL GP **SMC/WZ/FAP/GP\*** (q  
Z\_! \*v! ( TFPZ#q! ! q! \* VF5JFDA VFJ[ Kp H[GF VG] WFG[V+GF, FUT HFCZ DFICIT VIWSFZL äFZF 5F9JJFDA  
VFJ[ 5+ GAZqJ: 8hMG q VFZP8LPVF. P ; , q (\$\*4 TFP\_&q! ! qZ\_! \* GF ZMH DFICTLqHJFA 5F9JJFDA VFJ[ CMI 4  
H[IMI H6FI Kp TYF V5L, ; GFJ6L JBT[ZH]VFTGL IMI TS VF5JF KTA]VZHNFZ UZCFHZ ZC[ CMI VFID4 JW]  
SM. ZH]VFT VZHNFZ[V5L, TASS[SZ], G CMI 4 V5L, VZHL 5\$Z6[JW]SF SZJFG]ZC[GY]P HYL V5L, NOTZ[  
SZJFDA]VFJ[ Kp

pST H6FJ[ 5F9J[ HJFAqDFICTL 5+GLGS, HF6 DF8[ VF ; FY[ ; FD[ Kp H[IJINT YFI P

5YD V5L, GFCSd S[T]GL VD, JFZL AFAT[VF5 GFZFH S[V; T]P8 CMI TM VFZP 8LP VF. P V\$8GF]SF NFG  
S, D ! ) s#f C9/ UHZFT DFICTL VFIMU4 cCSD" MUL EJGc4 a, MS GR ! 4 ALHMDf/4 IGDF6 EJGGL 5FK/4  
; \$8Zv! \_vV[ UFVLGUZG[ 5YD V5L, GF CSD ING v )\_ DF]GFDNFZ VFIMUZLG[ ALHI V5L, SZJF VUGL  
HMUJF. Kp

GRJ: 8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V5[ , 8 VFIO; Z VG[  
SFI "5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4

s! f zL DC[TF DCXS]DFZ INGXR\4

SZf HFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZv HLPV|DPOMUF s, F. 8 IJEFUf4 fsJ: 8 hMGf4 HF6 DF8PPPP



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\*) qZ\_! \*  
TFP\_5v! ZvZ\_! \*

VZHNFZ ovzL ; HI . HFJF

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv HP VP ZF9MO SZM0 IJEFU fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR #) \* 4TF ! #q\_) qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF YI{ S, Dv! ! DHAGL SFI "JFCL AFATP

; NEbv VZHNFZGL TFP\_5q! Zq! \* GL **SMC/WZ/FAP \* \_v! \*v!** ( GL 5YD V5L, AFATP

p5ZMST IJIFI VG[; NE"AFAT[ H6JJFG]S[ VZHNFZGL TFP ! #q\_) qZ\_! \* GL VZHL CFp; Grv! jI]  
ZMCFp; 5F, 4 JIBZ 8S GL ; FD[ 5F, ZM04 VOFH64 ; ]TGM%, FG Z[ Log; LI , TZLS[ ; ]T DCFGUZ5FI, SF V[5F;  
SZ[ Kp HGL ZHFIRol GS, VF ; FY[ ; FD[ Kp Kk, FW6F ; DI YL Z[ Log; LI , J5ZFX AW SZLG[SMDXL]1 , J5ZFX  
SZJFDAVVFJ[Kp H[VU[CDMG]; BT JFWM Kp TM; ]T DCFGUZ5FI, SF SMDXL]1 , 5JIT ZMSJF DF8[HIPOLP; LPVFZP TYF  
ALP5LPVDP; LP V\$8DAX]HMUJF. K[T[VUGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDAVVFJ[ Kp

; NZ VZHL AFAT[ VZHNFZ FFZT TFP\_&q! \_qZ\_! \* GF ZMH HFCZ DFICTL VIWSFZL FFZT DFICTL 5ZL  
5F0JFDAVVFJ[ G CMI IG1 DMG] FZ IJGF DkI[ DFICTL D/JJF V5L, ; ZVIWSFZLG[ 5YD V5L, SZ[ Kp HGF  
VG] WFG[V+YL V5L, VZHL GSMC/WZ/FAP/GP\* /Z\_! \* TFP\_&q! \_q! \* YL VF5[ DFICTLGL 5JTF SZJF  
HF6 SZ[ P HGL 5JTF SZ[ GYLP VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ ING v#\_ DF DFICTL 5ZL  
5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZOL SM. DFICTL 5ZL 5F0JFDAVVFJ[ GYLP H[  
VU[GLR[DHAGMCSD SZL V5L, GMIGSF, SZJFDAVVFJ[Kp

### o CSD o

VZHNFZGL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , ITA GLR[ DHAGMCSD SZL V5L, GM  
IGSF, SZJFDAVVFJ[Kp

VZHNFZGL GL TFPZ) q\_(q! \* GL VZHL YL DFUJFDAVVFJ[ DFICTL VU[ VFZP8LPVF. P V\$8GL S, Dv\*s&f  
C9/ IJGF DkI[ INGV\_\* DFV+GF p5, aW Z\$0" DHA DFICTL VZHNFZLG[ 5ZL 5F0JF TDH VFZP8LPVF. P C9/  
VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDI DFICTL 5ZL 5F0JF q 5JIT TZ 5F9JJF VU[ SF/HI ZFBF  
HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ ZL4 J[8 hMGG[TFSLN SZJFDAVVFJ[Kp

VZHNFZGL ; NZ CSDYL GFZH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFH1 S1FGL SRZLVM a, MS  
Grv! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GM! \_v V[ UFWLGUZ BFT[ALHI V5L, SZL XS[Kp

GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

5|T4  
s! fzL XFT, F, 9FSMZEF. ID:+L4  
sZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 TDFD sJ[8hMGfsXOZ IJSF; IJEFUfPPPFF6 ; FZ  
s#f; \$XG VM0; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ

sOLPVFZPUMIC, f  
V[5], 8 VM0; Z VG[  
SFI "5F, S . HGZs5lzd hFGvZENZF  
; ]T DCFGUZ5FI, SF



OLPVFZPUMIC,  
V5[. 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP\*) qZ\_! \*  
TFP\_5v! ZvZ\_! \*

VZHNFZ ovzL ; HI . HFJF

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%]BL . HGZv ALPV|RPHFOHF sZM0 IJEFU fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR #) \* 4TF ! #q\_) qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJFZF YI[ S, Dv! ! DHAGL SFI "JFCL AFATP

; NEbV VZHNFZGL TFP\_5q! Zq! \* GL **SMC/WZ/FAP** \*) v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL sDY VF. POLPGRvZ! Z4 TFP#\_q\_(q! \*f J:8 hMG  
VF. POLPGAZ v #) \*4 TFP! #q\_) qZ\_! \* GL VZHL YL ; ]T DCFGUZ 5FI, SF 5F; [T]DGL DFICTL DFUTL VZHL V+GF  
hMG BFT[8FOLS ; , BFTYL TANL, Y. VFJ, Kp

; NZ VZHL AFAT[VZHNFZG[HFCZ DFICTL VIWSFZL FFZF ; DI DI FNFDFA DFICTL 5ZL 5F0JFDA VFJ, G CMI  
IGI DMG; EZ DFICTL D/JJF V5L, ; ɆVIWSFZLG[ 5YD V5L, SZ[, Kp HGF VG; WFG[ V+YL V5L, VZHL Gb  
**SMC/WZ/FAP/GP\*)/Z\_!** \* TFP\_5q! Zq! \* YL VF5[ DFICTLGL 5TTF SZJF HF6 SZ[, P HGL 5TTF SZ[, GYLP  
VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DA DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL  
VIWSFZL VG[0%]BL . HGZv zL ALPV|RPHFOHF sZM0 IJEFUfsJ:8 hMGf TZ0YL SM. DFICTL 5ZL 5F0JFDA VFJ,  
GYLP H[VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA VFJ[Kp

### o\_CSD o

VZHNFZZL GL TFP! #q\_) q! \* GL VZHL YL DFUJFDA VFJ, DFICTL VU[ VFZP8LPVF. P V\$8GL S, Dv\*s&f  
C9/ IJGF DkI[INGv\_\* DFV+GF p5, aW Z\$0" DHA DFICTL VZHNFZZLG[5ZL 5F0JF T]DH VFZP8LPVF. P C9/  
VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JFq 5T1TZ 5F9JJF VU[ SF/HL ZFBJF  
HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zL4 J:8 hMGf TFSLN SZJFDA VFJ[Kp

VZHNFZZL ; NZ CSDYL GFZH CMI TM UHZFT DFICTL VFIMJ4 SD1MJL EJG4 ZFH1 S1FGL SRZLVM a, MS  
GRv! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V! UWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ:8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! \*P

sOLPVFZPUMIC, f  
V5[. 8 VFIO; Z VG[  
SFI '5F, S . HGZs5lzd hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4  
s! fZL ; HI . HFJF  
sZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ4 zL ALPV|RPHFOHF4sJ:8hMGf4sZM0 IJEFUfPPPf6 ; FZP  
s#f; \$XG VM0; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]

OFP5LPV R P pDZLUZ V5L, VIWSFZL VG  GFI A VFZM I VIWSFZL		; ZT DCFGUZ5FI, SF 5IÜD hMG sZFNZf OFPAF/F; FC[A NJJZ; ZM04 TFOJFOL4 g1] ZFNZ ZM04; ZT v #) 5 ____ P OMG0_Z&! vZ*(&! (! v(Zv(#
--	--	--

V5L, VZHL GPSMC/WZ/FAP/GP(\_qZ\_! \*  
TFP\_&v! ZvZ\_! \*

VZHNFZ ovzL VHI 3LZH, F, UFWL

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[:88:8LS, VF; :8g84 sHgD DZ6 IJEFU fsJ:8 hMGf  
OZLI FNGL CSLST ov VZHNFZ GL J[:8hMG VF. POLPGR \$\*54TF !! q! \_qZ\_! \* GL VZHL YI VFZP8LPVF. P  
CP/ HFCZ DFICTL VIWSFZL WJZF YI[, S, DV! ! DHAGL SHI UFCL AFATP

; NEbv VZHNFZGL TFP\_&q! Zq! \* GL SMC/WZ/FAP (\_v! \*v! ( GL 5YD V5L, AFATP

p5ZNST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL TFP ! ! q! \_qZ\_! \* GL VZHL DHA zLDIT :GC, TFAg  
HUNLXEF. ZFJ, G]TFPZ&q\_ZqZ\_! # GF ZMH D'tI ]YI ]CTP H[VF5GF Z\$0"p5Z GMW6L SDFS WZ 2013 561 YL GMW6L  
SZEJJF ZL INJ I FUEF. HP[ZFJ/[TFP\_) q\$\_qZ\_! # GF ZMH SZ] Vplopl8GF VFWFZ[GMW6L YI[, Kp VF Vplopl8GL OM8M  
SM5L TYF D'tI ]GMWFFJF VFWFZDA, LW, F 5ZFJFGL OM8M SM5LGL GS, VUQL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDA  
VFJ[, Kp

; NZ VZHL AFAT[ J[:8 hMGqVFZP8LPVF. P; qVFPGRq(&\*4 TFP\_) q! ! q! \* YL VZHNFZ[DFU], DFICTL +FICT  
jI ISTG[, UTL CMI DFICTL VIWIGI D Z\_\_5 S, D ( s! f s9f G[wI FG[, TF VF5L XSFI TD GYL T[DHA HFCZ DFICTL  
VIWSFZLV[HJFA 5F9J[, Kp ; NZ HJFAYL GFZFH Y. VZHNFZZL V[ V5L, VZHL GPSMC/WZ/FAP/GP(\_qZ\_! \*  
TFP\_&q! Zq! \* GF ZMH SZ] HGF VG] WFG[ TFPZ (q! Zq! \* GF ZMH ; JFZ ! ! P! 5 S, FS[ VZHNFZG[ ~A~ ZHMFt DF8[  
AM, FJ[, CTP VZHNFZ[SZ] ZHMFtG[wifFG[, . TDGF WJZF DFU], DFICTL +FICT 51FSZGL ; DIT D/JLG[VF5JL TJM  
IG6", JFDFAVFJ[, CTM HGF VG] WFG[ ZLDTL :GC, TFAg HUNLXEF. ZFJ/GF DZ6GL GMW6L ; DI[V+[ZH]SZJFDA  
VFJ[, N:TFJHL 5ZFJFGL GS, VF V5L, GF VZHNFZZLG[ VF5JL S[ SD? T[ AFAT[ 51FSZ INJ I FU HP ZFJ/G[ 5+  
GRVVFZP8LPVF. qVfp8J0"GRq! \_\_54 TFP#\_q! ZqZ\_! \* YL 5+, BLG[ZHMFt SZJF H6FJJFDA/VFJ[, CTP HGF VG] WFG[  
51FSZ TZOYL ; AIWT DZ6 NFB, FG[, UTF N:TFJHM +FICT jI ISTG[VF5JF ; FD[. GJ0"5+ GRZ#(4 TFP\_! q! \_qZ\_! (   
YL ; BT JFWM IJZMW GMWFFJ[, Kp VFD4 ; DU[IJUTWIFG[, TFA GLR[DHAGMCSD SZL V5L, GMIGSF, SZJFDA VFJ[Kp

oC]SD o

VZHNFZZLGL D/ VZHL4 V5L, VZHL TDPH p5, aW CSLST wI FG[, TFA GLR[DHAGMCSD SZL V5L, GMIGSF,  
SZJFDA VFJ[Kp

VZHNFZZL GL TFP! ! q! \_q! \* GL VZHL YL DFUJFDA VFJ[, DFICTL VU[VZHNFZ[DFU], DFICTL +FICT jI IST G[  
, UTL CMI 4 ; NZ AFAT[ 51FSZGM VIE5FI , TF TDGF TZOYL ; AIWT DZ6 NFB, FG[, UTF N:TFJHM +FICT jI ISTG[  
VF5JF ; FD[ JFWM IJZMW GMWFFJ[, Kp HYL DFICTL VIWIGI D Z\_\_5 S, D ( s! f s9f G[wI FG[, TF VF5L XSFI TD GYL

VZHNFZZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VF1 MU4 SD1 MUL EJG4 ZFHI S1FGL SRZLVMa, MS GRV! 4  
ALHMDF/ IGDF6 EJG 5FK/4 ; S8Z GV! \_v V[ UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

OFP5LPV|R P pDZLUZ f  
V5L, VIWSFZL VG|  
GFI A VFZM|I VIWSFZL s5IzD hFGvZFNZfPPPHF6 ; FZP  
; ZT DCFGUZ5FI, SF

5|T4 s! f zL VHI WLZH, F, UFWL

SZf HFCZ DFICTL VIWSFZL VG[:88:8LS, VF; L:8g84 sVFZM|I IJEFUf4 s5IzD hFGvZFNZfPPPHF6 ; FZP



OLPVFZPUMIC,  
V5[. 8 VMOL; Z VG[  
SF1 "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP(! qZ\_! \*  
TFP! ) v! ZvZ\_! \*

VZHNFZ ovzL HTLGEF. WGHLEF. 3[. F6L

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[; SXG VMIO; ZvVDPV|R58[ s8SGLS, IJEFUfsJ: 8 hMGf  
OZLI FNGL CSLST ov

IJQFI ov VZHNFZ GL J: 8hMG VF. POLPGR 5! (4TF ! \$q! ! qZ\_! \* GL VZHIYL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJFZ YI[, S, Dv! ! DHAGL SFI "JFCL AFATP

; NEbv VZHNFZGL TFP! )q! Zq! \* GL SMC/WZ/FAPq (! qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZ aFZF TFP ! \$q! ! qZ\_! \* GL VZHL DHA ZENZ hMGDA  
RF, TF VNG, F. GvVMO, F. G 8j0Z 5|S| F VU|G DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDF\VFJ[, P  
; NZ VZHL AFAT[VZHNFZ G[ IGIT'; DI DI FNFDFA HFCZ DFICTL VIWSFZL FFZF DFICTL 5ZL 5F0JFDF  
VFJ[, G CMI IGIDNG; FZ IJGF DkI [DFICTL D/JJF V5L, ; ZVIWSFZLG[5YD V5L, SZ[, Kp HGF VG}; WFG[V+YL  
V5L, VZHL Gb SMC/WZ/FAP/GP(! /Z\_! \* TFP!) q! Zq! \* YL HFCZ DFICTL VIWSFZLG[ V5L, TASSI  
INGv\*DFICTLGL 5JTF SZJF HF6 SZ[, P H[DHA TFPZ&q! Zq! \* DU/JFZGZM; FH[ \$o\_\_ YL 5o\_\_ S, FS[  
VZHNFZG[ ~A~ ZH|MFT DF8[ AM, FJ[, CTFP H[DFA VZHNFZL CFHZ ZCL Z\$0" RSF; 6L SZL U1[, Kp VG[ VXT  
DFICTL D/J[, Kp tFZAFN OZLYL TFP \_\$q! ! qZ\_! ( GF ZM; Z\$0" RSF; 6L VU[AM, FJTF T\VM CFHZ ZC[, GYLP  
VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL  
VIWSFZL VG[; SXG VMIO; ZzL TZ0YL DY VZHLGF ING v#\_ DFISM. DFICTL 5ZL 5F0JFDF\VFJ[, GYLP H[VU[GLR  
DHAGMCSD SZL V5L, GMIGSF, SZJFDF\VFJ[Kp

## o CSD o

VZHNFZL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST w| FG[, ITA GLR[ DHAGMCSD SZL V5L, GM  
IGSF, SZJFDF\VFJ[Kp

VZHNFZL GL TFP! \$q! ! qZ\_! \* GL VZHIYL DFUJFDF\VFJ[, DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f C9/ IJGF DkI [INGv\_\* DFV+GF p5, aW Z\$0" DHA AFSL ZC[TL DFICTL VZHNFZLIG[5ZL 5F0JF  
TDH VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JFq 5|I JTZ  
5F9JJF VU[SF/HL ZFBJF HFCZ DFICTL VIWSFZL VG[; SXG VMIO; ZzL4 J: 8 hMG[TFSLN SZJFDF\VFJ[Kp

VZHNFZL ; NZ CSDYL GFZH CMI TM UHZFT DFICTL VFIMU4 SD" MUL EJG4 ZFH S1FGL SRZLVMa, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V| UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P

sOLPVFZPUMIC, f  
V5[. 8 V|O; Z VG[  
SF1 "5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4  
s! f zL HTLGEF. NFGHLEF. 3[. F6L4

SZf HFCZ DFICTL VIWSFZL VG[; SXG VMIO; ZvVDPV|R58[ s8SGLS, IJEFUfsJ: 8 hMGf HF6 TYF VD, ; FZP



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SF1 '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP/GP**(ZqZ\_! \*  
TFP\_! v\_! vZ\_! (

VZHNZ ovzL ; HI EF. ZFDHLEF. AM3ZF  
; FDFJF/F ov HFCZ DFICTL VIWSZL VG[0%]BL . HGZv ALPV|RPHFOHF sXCZ IJSF; fsJ:8 hMGf  
OZLI FNGL CSLST ov VZHNZ GL J:8hMG VF. POLPGR 5! Z4TF\_)q! ! qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSZL wJZF YI [ S, Dv! ! DHAGL SF1 UFCL AFATP

; NEbv VZHNZGL TFP\_! q\_! q! ( GL **SMC/WZ/FAP** (ZvZ\_! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNZGL sD]V VF. POLPGRvZ(54 TFP\_\*q! ! q! \*f J:8  
hMG VF. POLPGAZP 5! Z4 TFP\_)q! ! qZ\_! \* GL VZHL YL ; ]T DCFGUZ5FI, SF 5F; [TDGL DFICTL DFUTL VZHL  
V+GF hMG BFT[Dp] SRZLVYL BFTYL TANL, Y. VFJ, Kp

; NZ VZHL AFAT[VZHNZG[HFCZ DFICTL VIWSZL FFZ ; DI DI FNFDADFICTL 5ZL 5F0JFDA VFJ, G  
CMI IG1 DMG; FZ DFICTL D/JJF V5L, ; ZFIWSZLG[5YD V5L, SZ, Kp HGF VG; WFG[V+YL V5L, VZHL Gb  
**SMC/WZ/FAP/GP**(Z/Z\_! ( TFP\_! q\_! q! ( GL INGV\* DA HFCZ DFICTL VIWSZLG[DFICTLGL 5]TTF SZJF HF6  
SZ, P H[GL 5]TTF SZ, GYLP VFZP8LPVF. VS8GL S, D \*s! f C9/ VZHNZG[ING v#\_ DA DFICTL 5ZL 5F0JFGL CMI  
Kp V+YL HFCZ DFICTL VIWSZL VG[0%]BL . HGZv zl ALPV|RPHFOHF sXCZ IJSF; fsJ:8 hMGf TZ0YL SM. DFICTL  
5ZL 5F0JFDA VFJ, GYLP H[VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA VFJ[Kp

### o CSD o

VZHNZL GL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[, ITAGLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDA VFJ[Kp

VZHNZL GL TFP\_)q! ! q! \* GL VZHL YL DFUJFDA VFJ, DFICTL VU[ VFZP8LPVF. P VS8GL  
S, Dv\*s&f C9/ IJGF DkI [ INGV\_\* DA V+GF p5, aW Z\$0" DHA DFICTL VZHNZL G[5ZL 5F0JF TDH  
VFZP8LPVF. P C9/ VFJTL DFICTL q5ZJF DFUTL VZHL VU[ ; DI DI FNFDADFICTL 5ZL 5F0JF 5tI JTZ 5F9JJF VU[  
SF/HL ZFBJF HFCZ DFICTL VIWSZL VG[0%]BL . HGZ zl4 J:8 hMGf[TSLN SZJFDA VFJ[Kp

VZHNZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFH1 S1FGL SRZLVMa, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V! UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

sOLPVFZPUMIC, f  
V[5], 8 VF10; Z VG[  
SF1 '5F, S . HGZs5IZD hFGvZENZF  
; ]T DCFGUZ5FI, SF

5|T4  
s! fzL ; HI EF. ZFDHLEF. AM3ZF  
sZf HFCZ DFICTL VIWSZL VG[0%]BL . HGZ4 zl ALPV|RPHFOHF4sJ:8hMGf4sXCZ IJSF; FPPPHF6 ; FZ  
s#f; \$XG VM0; Z sVFZP8LPVF. ; f5|TPPPPFF6 ; FZ]



OLPVFZPUMIC,  
V5[ , 8 VMOL; Z VG[  
SF1 "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*( &! (! v(Zv( #

V5L, VZHL GP **SMC/WZ/FAP/GP**(#qZ\_! \*v! ( TFP! ) v\_! vZ\_! (

VZHNFZ ovzL ZDX SPHFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv VGP5LPXFCsXCZ IJSF; fsJ; 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J; 8hMG VF. POLPGR 5#\* 4 TFP Z#q! ! qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF YI [ , S, Dv! ! DHAGL SF1 JFCL AFATP

; NEbv VZHNFZGL TFP! )q\_! q! ( GL **SMC/WZ/FAP/GP**(#v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL TFP Z#q! ! qZ\_! \* GL VZHLYL 8LP5LP#\_  
sZENZF VDP5LP! \$(4 ! \$)4 ! 5\_ DFVYI [ , AFAF 8@; "JF/L SMDIXI", ID, ST VUGL DFICIT DFUTL VZHL V+GF  
hMG BFT[SZJFDFVVFJ, K]

; NZ VZHL AFAT[ VZHNFZ aFZF TFP ! )q\_! qZ\_! ( GF ZMH HFCZ DFICTL VIWSFZL aFZF DJF GR ! YL #  
TYF 5 GL SM. H 5+ S[DFICTL 5ZL 5F0JFDFVVFJ, G CMI IG1 DMG; FZ IJGF Dk1 [DFICTL DJJJF V5L, ; JVIWSFZLG[  
5YD V5L, SZ[ , Kp HGF VG]; WFG[V+YL V5L, VZHL Gb **SMC/WZ/FAP/GP**(#Z\_! \*v! ( TFP! )q\_! q! (   
YL HFCZ DFICTL VIWSFZLG[V5L, TASS[INGv\* DFDFICTLGL 5JTF SZJF HF6 SZ[ , P H[DHA TFP \_#q\_! ( GF ZMH  
; FH[ \$0Z\_ S, FS[ VZHNFZG[ ~A~ ZH]VFT DF8[ AM, FJ, CTFP H[DFA VZHNFZZL CFHZ ZC[ , Kp VG[ ~A~ ZH]VFT  
SZ[ , Kp VFZP8LPVF. VS8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZ TZ0YL DV VZHLGF ING v#\_ DF SM. DFICTL 5ZL 5F0JFDFVVFJ, GYIP H[VU[  
GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDFVVFJ[K]

o CSD o

VZHNFZZLGL DV VZHL V5L, VZHL T]DH p5, aW CSLST wI FG[ , T]GLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDFVVFJ[K]

VZHNFZZL GL TFPZ#q! ! q! \* GL VZHLYL DFUJFDFVVFJ, DFICTL VU[ VFZP8LPVF. P VS8GL  
S, Dv\*s&f C9/ IJGF Dk1 [ INGv\_\* DF V+GF p5, aW Z\$0" D]HA DFICTL VZHNFZZLG[ 5ZL 5F0JF T]DH  
VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJFJF DFUTL VZHL VU[ ; DI DI FNFDADFICTL 5ZL 5F0JFq 5t1 T]Z 5F9JJF VU[  
SF/HL ZFBJF HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zl4 J; 8 hMGG[TFSLN SZJFDFVVFJ[K]

VZHNFZZL ; NZ CSDYL GFZFH CMI TM UHZET DFICTL VF1 MU4 SD1 MUL EJG4 ZFH I S1FGL SRZLVMa, MS  
GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V] UFWLGUZ BFT[ALHL V5L, SZL XS[K

GRJ; 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! ( P

5|T4  
s! fzL ZDX SPHFULO4

sZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZv VGP5LPXFC sJ; 8hMGfsXCZ IJSF; IJEFUFPPPFF6 ; FZ  
s#f; \$XG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP FF6 ; FZ]

sOLPVFZPUMIC, f  
V5[ , 8 VFIO; Z VG[  
SF1 "5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF



OLPVFZPUMIC,  
V5[ , 8 VMOL; Z VG[  
SF1 "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP**(\$qZ\_! \*v! ( TFP! ) v\_! vZ\_! (

VZHNFZ ovzL ZDX SPHFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZv VGP5LPXFCsXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR 5#( 4 TFP Z#q! ! qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF YI [ , S, Dv! ! DHAGL SF1 UFCL AFATP

; NEbv VZHNFZGL TFP! )q\_! q! ( GL **SMC/WZ/FAP/GP**(\$v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL TFP Z#q! ! qZ\_! \* GL VZHLYL 8LP5LP#\_  
sZENZF sICTjäGUZ4 ZENZGF VFU6JFOLV1P; lPOLP ; h8ZGL ; FDf OFP%, MB GR! #Z DF CF, DF YTA AFWSFD VUGI  
DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDFVFE, Kp

; NZ VZHL AFAT[ VZHNFZ äFZT TFP! )q\_! qZ\_! ( GF ZMH HFCZ DFICTL VIWSFZL äFZT DJF GR! YL #  
GL SM. H 5+ S[ DFICTL 5ZL 5F0JFDFVFE, G CMI IG1 DMG]; FZ IJGF Dk1[ DFICTL DJJJF V5L, ; ēVIWSFZLG[5YD  
V5L, SZ, Kp HGF VG]; WFG[ V+YL V5L, VZHL Gb **SMC/WZ/FAP/GP**(\$/Z\_! \*v! ( TFP! )q\_! q! ( YL  
HFCZ DFICTL VIWSFZLG[ V5L, TASS[ INGV\* DF DFICLGL 5JTF SZJF HF6 SZ, P H[DHA TFP\_Zq! ( GF ZMH  
; FH[ \$oZ\_ S, FS[ VZHNFZG[ ~A~ ZH]VFT DF8[ AM, FJ, CTFP H[DFA VZHNFZZL CFHZ ZC, Kp VG[ ~A~ ZH]VFT  
SZ, Kp VFZP8LPVF. VS8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZ TZ0YL DV VZHLGF ING v#\_ DF SM. DFICTL 5ZL 5F0JFDFVFE, GYIP H[VU[  
GLR[D]HAGMCSD SZL V5L, GMGSF, SZJFDFVFE, Kp

### o CSD o

VZHNFZZLGL DV VZHL V5L, VZHL T]DH p5, aW CSLST wI FG[, T]GLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDFVFE, Kp

VZHNFZZL GL TFPZ#q! ! q! \* GL VZHLYL DFUJFDFVFE, DFICTL VU[ VFZP8LPVF. P VS8GL  
S, Dv\*s&f C9/ IJGF Dk1[ INGV\_\* DF V+GF p5, aW Z\$0" D]HA DFICTL VZHNFZZLG[ 5ZL 5F0JF T]DH  
VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJFJF DFUTL VZHL VU[; DI DI FNFDADFICTL 5ZL 5F0JFq 5t1]TZ 5F9JJF VU[  
SF/HL ZFBJF HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zl4 J: 8 hMGG[TFSLN SZJFDFVFE, Kp

VZHNFZZL ; NZ CSDYL GFZFH CMI TM UHZET DFICTL VF1 MU4 SD1 MUL EJG4 ZFH1 S1FGL SRZLVMa, MS  
GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4; S8Z GV! \_v V] UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! ( P

5|T4  
s! fzl ZDX SPHFULO4

SZf HFCZ DFICTL VIWSFZL VG[0%]BL . HGZv VGP5LPXFC sJ: 8hMGfsXCZ IJSF; IJEFUFPPPFF6 ; FZ  
s#f; S[XG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP FF6 ; FZ]

sOLPVFZPUMIC, f  
V5[ , 8 VFIO; Z VG[  
SF1 "5F, S . HGZs5IZD hFGvZENZF  
; ]T DCFGUZ5FI, SF



OLPVFZPUMIC,  
V5|, 8 VMOL; Z VG|  
SF1 "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; JT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL G~~SMC/WZ/FAP/GP~~(5qZ\_! \*v! (TFP!) v\_! vZ\_! (

VZHNFZ ovzL ZDX SPHFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[TDFD 0%| BL . HGZ sXCZ IJSF; fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR 5\$# 4 TFP Z\*q! ! qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF YI[ S, Dv! ! DHAGL SF1 "JFCL AFATP

; NEbv VZHNFZGL TFP! )q\_! q! ( GL ~~SMC/WZ/FAP/GP~~(5v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJFG]S[VZHNFZGL TFP Z\*q! ! qZ\_! \* GL VZHL YL V+GF IJEFUGF  
1F+DFATFP \_! qZ\_! \* YL TFP Z\*q! ! qZ\_! \* NZdI FG DHZ %, FG IJ~WWGF TYF DHZL IJGFGF AFWSFDM; FD[YI]  
SF1 "JFCL VUGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDAVFJ, Kp

; NZ VZHL AFAT[VZHNFZ aFZT TFP ! )q\_! qZ\_! ( GF ZMH ; WLDHFCZ DFICTL VIWSFZL aFZT IGI T ; DI  
DI FNFDAS[ AFNDFV SM. H 5+ S[DFICTL 5ZL 5F0JFDA VFJ, G CMI IGI DMG; FZ IJGF DkI[DFICTL D/JF V5L,  
; qFIWSFZLG[ 5YD V5L, SZ[ Kp HGF VG]; WFG[V+YL V5L, VZHL G~~SMC/WZ/FAP/GP~~(5/Z\_! \*v! (TFP!) q\_! q! ( YL HFCZ DFICTL VIWSFZLG[ V5L, TASS[ INGV\* DF DFICTLGL 5JTTF SZJF HF6 SZ[ P H[DHA  
TFP\_#q\_Zq! ( GF ZMH ; FH[\$oZ\_ S, FS[VZHNFZG[~A~ZH]FT DF8[AM, FJ, CTP H[DFAVZHNFZL CFHZ ZC[ Kp  
VG[~A~ZH]FT SZ[ Kp VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5F0JFGL CMI  
Kp V+YL HFCZ DFICTL VIWSFZL VG[0%| BL . HGZ TZ0YL DY VZHLGF ING v#\_ DF SM. DFICTL 5ZL 5F0JFDA  
VFJ, GYLP 5ZT] V5L, TASS[ VZHNFZL LG[TFP ! &q\_ZqZ\_! ( GF ZMH ; FH[\$o\_\_ S, FS[NOTZL . :5\$XG ; AA  
; \$XG VMO; ZzL s8sf ; D1F CFHZ ZCJF HFCZ DFICTL VIWSFZL VIM[ H6FJ, Kp H[VU[ GLR[ DHAGM CSD SZL  
V5L, GMIGSF, SZJFDAVFJ[Kp

### 0 CSD 0

VZHNFZL GL TFPZ\*q! ! q! \* GL VZHL YL DFUJFDA VFJ, DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f C9/ IJGF DkI[NOTZL . :5\$XG YIYL INGV\* DF V+GF p5, aW Z\$O"DH A DFICTL VZHNFZL  
5ZL 5F0JF TDH VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDAS[DFICTL 5ZL 5F0JFq  
5tI JTZ 5F9JJF VU[SF/HL ZFBJF HFCZ DFICTL VIWSFZL VG[0%| BL . HGZ zl4 J:8 hMG[GTSLN SZJFDA VFJ[Kp

VZHNFZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VF1 MU4 SD1 MUL EJG4 ZFH1 S1FGL SRZLVMa, MS  
GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V# UFWLGZ BFT[ALHL V5L, SZL XS[Kp

GRJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P

5JT4  
s! fzL ZDX SPHFULO4  
sZf HFCZ DFICTL VIWSFZL VG[TDFD 0%| BL . HGZ sJ:8hMGfsXCZ IJSF; IJEFUFPPPHF6 ; FZ  
s#f; \$XG VMO; Z sVFZP8LPVF. ; f5JTTPPPP HF6 ; FZ]

sOLPVFZPUMIC, f  
V5|, 8 VFIO; Z VG|  
SF1 "5F, S . HGZs5IzD hFGvZENZF  
; JT DCFGUZ5FI, SF



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FC[A NÜZ; ZM04 TFOJFOL4  
gI ] ZFNZ ZM04; ZT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP**(&qZ\_! \*v! ( TFP! ) v\_! vZ\_! (

VZHNFZ ovzL ZD[X SPHFULO

; FDFJF/F ovHFC[Z DFICTL VIWSFZL VG[ TDFD 0%I ]BL . HGZ sXC[Z IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[ 8hMG VF. POLPGR 5\$\$ 4 TFP Z\*q! ! qZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFC[Z DFICTL VIWSFZL wJZF YI[ , S, Dv! ! DHAGL SFI "JFCL AFATP  
; NEbv VZHNFZGL TFP! )q\_! q! ( GL **SMC/WZ/FAP/GP**(&v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL TFP Z\*q! ! qZ\_! \* GL VZHL YL V+GF IJEFUGF  
1F+DFTFP \_! q\_! qZ\_! \* YL TFP Z\*q! ! qZ\_! \* NZdI FG DHZ %, FG IJ~WWGF AFWSFDM ; FD[YI[ , SFI "JFCL VUQL  
DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDF]VFJ[ Kp

; NZ VZHL AFAT[VZHNFZ aFZF TFP! )q\_! qZ\_! ( GF ZMH ; WLDVHFC[Z DFICTL VIWSFZL aFZF IGIT ; DI  
DI FNFDA S[ AFNDA SM. H 5+ S[ DFICTL 5ZL 5F0JFDA VFJ[ , G CMI IGIDMG; FZ IJGF DkI [ DFICTL D/VJJF V5L,  
; ZFIWSFZLG[ 5YD V5L, SZ[ , Kp HGF VG]; WFG[ V+YL V5L, VZHL Gb **SMC/WZ/FAP/GP**(&Z\_! \*v! ( TFP! )q\_! q! ( YL HFC[Z DFICTL VIWSFZLG[ V5L, TASS[ INGV\* DF DFICTLGL 5JTF SZJF HF6 SZ[ P H[DHA  
TFP#q\_Zq! ( GF ZMH ; FH[\$oZ\_ S, FS[VZHNFZG[-A~ ZHMFT DF8[AM, FJ[ , CTFP H[DFAVZHNFZL CFHZ ZC[ , Kp  
VG[-A~ ZHMFT SZ[ , Kp VFZP8LPVF. VS8GL S, D\*s! f C9/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5F0JFGL CMI  
Kp V+YL HFC[Z DFICTL VIWSFZL VG[ 0%I ]BL . HGZ TZOYL DY VZHLGF ING v#\_ DF SM. DFICTL 5ZL 5F0JFDA  
VFJ[ , GYLP 5ZT V5L, TASS[ VZHNFZL LG[ TFP! &q\_ZqZ\_! ( GF ZMH ; FH[\$o\_\_ S, FS[ NOTZL . :5\$XG ; AA  
; \$XG VMO; ZZL s8sf ; D1F CFHZ ZCJF HFC[Z DFICTL VIWSFZL VIM[ H6FJ[ , Kp H[VU[ GLR[ DHAGM CSD SZL  
V5L, GMIGSF, SZJFDA VFJ[ Kp

### o CSD o

VZHNFZL GL TFPZ\*q! ! qZ\_! \* GL VZHL YL DFUJFDA VFJ[ , DFICTL VU[ VFZP8LPVF. P VS8GL  
S, Dv\*s&f C9/ IJGF DkI [ NOTZL . :5\$XG YI YL INGV\* DF V+GF p5, aW Z\$0" DHA DFICTL VZHNFZL  
5ZL 5F0JF TDH VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDA DFICTL 5ZL 5F0JFq  
5t1JTZ 5F9JJF VU[SF/HL ZFBJF HFC[Z DFICTL VIWSFZL VG[ 0%I ]BL . HGZ zl4 J[ 8 hMG[ TFSN SZJFDA VFJ[ Kp

VZHNFZL ; NZ CSDYL GFZFH CMI TM UHZET DFICTL VFIMU4 SD1 MUL EJG4 ZFH I S1FGL SRZLVMa, MS  
GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GM! \_v V[ UFVLGUZ BFT[ALHL V5L, SZL XS[ Kp

GRJ[ 8 hMG[ VFZP8LPVF. PqGP  
TFZLBov v vZ\_! ( P

sOLPVFZPUMIC, f  
V5[ 8 VFIO; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZFNZf  
; ZT DCFGUZ5FI, SFP

s! fzl ZDX SPHFVJL04  
SZF HFCZ DFICTL VIWSFZL VG[TDFD 0%I BL . HGZ sJ[8hMGfsXCZ IJSF; IJEFUfPPPHF6 ; FZP  
s#f; SXG VMO; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SF1 '5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IUD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; JZT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL G~~SMC/WZ/FAP/GP~~(\*qZ\_! \*v! ( TFP! ) v\_! vZ\_! (

VZHNFZ ovzL ZDX SPHFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZvALPV|RPHFOHF sXCZ IJSF; fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZGL J:8hMG VF. POLPGR 5)! 4 TFP! (q! ZqZ\_! \* GL VZHLYL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF YI[ S, Dv! ! DHAGL SF1 JFCL AFATP

; NEbV VZHNFZGL TFP! )q\_! qZ\_! ( GL ~~SMC/WZ/FAP~~(\*v! \*v! ( GL 5YD V5L, AFATP  
p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL sD] VF. POLPGRv! )5\*4 TFP! #q! ZqZ\_! \*f  
J:8 hMG VF. POLGAZP 5)! 4 TFP! (q! ZqZ\_! \* GL VZHL YL ; JZT DCFGUZ5FI, SF 5F; [T]DGL DFICTL DFUTL VZHL  
V+GF hMG BFT[D]bI SRZLVM TANL, Y. VFJ[ Kp

; NZ VZHL AFAT[VZHNFZ aFZT TFP! )q\_! qZ\_! ( GF ZMH ; WLDHFCZ DFICTL VIWSFZL aFZT IGI T ; DI  
DI FNFDAS[AFNDA SM. H 5+ S[DFICTL 5ZL 5FOJFDA VFJ[ G CMI IGI DMG; FZ IJGF DkI [DFICTL D/JF V5L,  
; ZFVIWSFZLG[5YD V5L, SZ[ Kp HGF VG]; WFG[V+YL V5L, VZHL G~~SMC/WZ/FAP/GP~~(\*Z\_! \*v! ( TFP!  
TFP! )q\_! qZ\_! ( YL HFCZ DFICTL VIWSFZLG[ V5L, TASS[INGv\* DF DFICTLGL 5TTF SZJF HF6 SZ[ P H[DHA  
TPP#q\_ZqZ\_! ( GF ZMH ; FH[\$oZ\_ S, FS[VZHNFZG(~A~ZH)VFT DF8[AM, FJ[ CTFP HD[VZHNFZL CFHZ ZC]  
Kp VG[~A~ZH]VFT SZ[ Kp VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5FOJFGL  
CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL DV VZHLGF ING v#\_ DF SM. DFICTL 5ZL 5FOJFDA  
VFJ[ GYIP 5ZT V5L, TASS[VZHNFZLG[ TFP! &q\_ZqZ\_! ( GF ZMH ; FH[\$o\_\_ S, FS[NOTZL . :5\$XG ; AA  
; \$XG VMO; ZzL s8\$F ; D1F CFHZ ZCJF HFCZ DFICTL VIWSFZLVM[H6FJ[ Kp H[VU[ GLR[D]HAGM CSD SZL  
V5L, GMIGSF, SZJFDA VFJ[ Kp

### o\_CSD o

VZHNFZLG[ GL D/ VZHL4 V5L, VZHL T[DH p5, aW CSLST wI FG[, T[AGLR[D]HAGM CSD SZL V5L, GM  
IGSF, SZJFDA VFJ[ Kp

VZHNFZLG[ GL TFP! (q! ZqZ\_! \* GL VZHLYL DFUJFDA VFJ[ DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f C9/ IJGF DkI [NOTZL . :5\$XG YIYL INGV\_\* DF V+GF p5, aW Z\$0"DH A DFICTL VZHNFZLG[  
5ZL 5FOJF T[DH VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDAS[DFICTL 5ZL 5FOJFq  
5t1TZ 5f9JJF VU[SF/HL ZFBJF HFCZ DFICTL VIWSFZL VG[0%]BL . HGZL4 J:8 hMG[G]TFSLN SZJFDA VFJ[ Kp

VZHNFZLG[ ; NZ CSDYL GFZFH CMI TM UHZET DFICTL VFIMU4 SD1 MUL EJG4 ZFH1 S1FGL SRZLVM a, MS  
GRv! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V[ UFWLGUZ BFT[ALHL V5L, SZL XS[ Kp

olPVFZPUMIC, f  
V[5, 8 VFIO; Z VG[  
SF1 '5F, S . HGZs5IzD hFGvZENZF  
; JZT DCFGUZ5FI, SF

5|T4

s! fzL ZDX SPHFULO4

SZF HFCZ DFICTL VIWSFZL VG[0%]BL . HGZvALPV|RPHFOHF sJ:8hMGfsXCZ IJSF; IJEFUFPPPHF6 ; FZP  
s#f; \$XG VMO; Z sVFZP8LPVF. ; f5|TFFFFFHF6 ; FZ]



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF/F; FCJA NJZ; ZM04 TFOJFOL4  
g1 ]ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP/GP**((qZ\_! \*  
TFPZZq\_! vZ\_! (

VZHNFZ ov zL ; IRG 58[

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I BL . HGZvZL V[G5IPXFC4ZL HLPV[DPOMFsXCZ IJSF; fsJ:8 hMGf  
OZLI FNGL CSLST ov VZHNFZGL J[8hMG VF. POLPGR 55) 4 TFP \_\$q! ZqZ\_! \* GL VZHLYL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF YI[ S, Dv! ! DHAGL SFI "JFCL AFATP  
; NEbv VZHNFZGL TFPZZq\_! q! ( GL **SMC/WZ/FAP**((qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[; NE"AFAT[ H6FJJFG]S[ VZHNFZGL TFP \_\$q! ZqZ\_! \* GL VZHLYL %, M8 GR  
5)4 5FZ; GUZ ; M; FI 8l4 8SZFJF, F :S, GL 5FK/4 ZENZ ZM04 ; ]TGFVNG[ AFWSFDGL 5ZJFGUL VF5JFDA\VFJL K[T  
TDFD 5ZJFGULVNGL GS, MTYF %, M8 GR )# VBO VFGN ; M; FI 8l4 UHZET U[ ; S, 4 ; ZNFZ A[JHGL GLR[ VOFH6  
; ]TGFV[ IJSF; 5ZJFGULGL GS, TYF %, FG VUJGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDA\VFJ[ Kp HGM  
VF. POLP GR 55) 50[ CTIP HFD VZHNFZzLG[ ; D1 D1 FNFDA 5t1TZ G D/TF VZHNFZzL wJZF 5YD V5L,  
TFPZZq\_! qZ\_! ( GF ZMH SZJFDA\VFJ[ P

5YD V5L, VZHL **SMC / SWZ / FAP / NO.88 / 2017-18** YL GWWF[ CTIP tI FZAFN pST V5L,  
VZHL AFAT[ VZHNFZ zL ; IRG 58[ G[ CDM GLR[ CL SZGFZ V5L, VIWSFZL VG[ SFI '5F, S . HGZ SJ:8 hMGf  
; ]TGL SRZL ; D1F TFP! &v\_ZvZ\_! ( GF ZMH \$o\_\_ S, FS[V5L, VUGL ~A~ ; GFJ6LDFCFHZ ZCJF V+GF 5+  
GR J[8sZENZf hMGqVFZP8LPVF. PqVFP! ! Z\_4 TFP\_(v\_ZvZ\_! ( GF 5+YL HF6 SZ[ CTIP TYF T[TFZLB VG[ ; D1[  
VZHNFZzL CFHZ ZCJF CTF VG[ T[DFG 51F[ DFU], DFICTL VU[ZHMFTM SZ[ CTIP HGF VG]; WFG[ HFCZ DFICTL  
VIWSFZL VG[0%I BL . HGZzL V[G5IPXFC4ZL HLPV[DPOMFsXCZ IJSF; IJEFUF TZ0YL VZHNFZG[ VF5JF HMJ ZCJF  
XCZ IJSF; IJEFUGL DFICTL V5L, TASS[ T[MGF 5+ SDFS GRPJ:8 hMGqVFZP8LPVF. qVFPGR! ! Z#4  
TFP\_)v\_ZvZ\_! ( YL VZHNFZG[ VFZP8LPVF. P VZHLYL DFU], DFICTL VU[HJFAI5+ 5F9JJFDA\VFJ[ Kp  
VFD VZHNFZG[ HFCZ DFICTL VIWSFZzL TZ0[V+GL SRZL BFT[p5, aW DFICTL 5ZL 5F0JFDA\VFJ[ Kp

### CSD

VZHNFZGL DY VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , ITF 5YD V5L, VZHL GR  
SMC/SWZ/FAP/88/2017-184 TFPZZq\_! qZ\_! (VgJ[GLR[DHAGMCSD SZL V5L, GMIGSF, SZJFDA\VFJ[Kp

VZHNFZGL VZHL V+[D?I F TFP \_\$v! ZvZ\_! \* GF VG]; WFG[ DFUJFDA\VFJ[ DFICTLVM HFCZ DFICTL  
VIWSFZzL TZ0YL V5L, TASS[ 5t1TZ VZHNFZG[ ; ZGFD[ TFP\_)qZqZ\_! ( GF ZMH DMS, JFDA\VFJ[ Kp VFD  
VZHNFZG[ HFCZ DFICTL VIWSFZzL TZ0[V+GL SRZL BFT[p5, aW DFICTL 5ZL 5F0JFDA\VFJ[ Kp H[wI FG[ , ITF  
VZHL VU[IJXDF SM. SFI "JFCL SZJFGL ZCJF G CMI 4 V5L, VZHLGMIGSF, SZJFDA\VFJ[Kp

VZHNFZzL ; NZ CSDYL GFZFH CMI TM UHZET DFICTL VFJMU4 SD1MUL EJG4 ZFH I S1FGL SRZLVMa, MS  
GRv! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; 8Z GV! \_v V[ UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRPJ:8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P  
5|T4

s! fzl ; IRG 58[ 4  
sZf HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ4ZL V[G5IPXFC4ZL HLPV[DPOMFsXCZ IJSF; IJEFUFPPPHF6 ; FZP

sOPVZPUMIC, f  
V[5] 8 V[10; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZENZF  
; ]T DCFGUZ5FI, SF



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; JZT DCFGUZ5F1, SF  
5IÜD hMG sZFN[Zf  
OPPAF/F; FCJA NJUZ; ZM04 TFOJFOL4  
g1] ZFN[ZM04; JZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\*( &! (! v(Zv( #

V5L, VZHL GP **SMC/WZ/FAP/GP()** qZ\_! \*  
TFPZZv\_! vZ\_! (

VZHNFZ ov zl ; IRG 58[

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]8L . HG[Zv zL HIPV|DPOMUF sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov VZHNFZGL J:8hMG VF. POLPGR 5((4TFP ! &q! ZqZ\_! \* GL VZHLYL VFZP8LPVF. P CP/  
HFCZ DFICTL VIWSFZL wJFZF YI[, S, Dv! ! DHAGL SFI "JFCL AFATP  
; NEbv VZHNFZGL TFPZZ\_! q! ( GL SMC/WZ/FAP/()qZ\_! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[ ; NE"AFAT[H6FJJFG]S[ VZHNZGL TFP ! &q! ZqZ\_! \* GL VZHLYL Z! vUUGUZ  
; M; FI 8I4 VOFH6 5F8L1 F4 ZFNZ ZM04 ; JT BFT[ VFJ, ID, STGL AFWSFDGL GS, M ZHFIR9L TYF ALP1 P; LP GL GS,  
VUGL DFICIT DFUTL VZHL V+GF hMG BFT[ SZJFDA VFJ, KP HFCZ DFICTL VIWSZL VG[ 0%| BL . HGZL  
HPVDPOMUF sXCZ IJSF; IJEFUF4 5IÜD sZFNZfhMGGL SRZLDA TFP! &v! Zv! \* GF ZMH VZHL SZJFDA VFJ, P  
HGM VF. POLPGR 5() 50, CTMPHDA VZHNZG[ ; DI D1 FNFDA 5||| JTZ G D/TF VZHNZL wJZF 5YD V5L,  
TFPZZq\_! qZ\_! (GF ZMH SZJFDA VFJ, P

5YD V5L, VZHL **SMC / SWZ / FAP / NO.89/ 2017-18** YL GMWFI, CTLP tI FZAFN pST V5L, VZHL AFAT[ VZHNFZ ZL ; IRG 58[ G[ CDM GLR[ ; CL SZGFZ V5L, VIWSFZL VG[ SFI '5F, S . HGZ SJ[ 8 hMGf ; ZTGL SRZL ; D1F TFP! &v\_ZvZ\_! ( GF ZMH \$ o \_\_ S, FS[V5L, VUGL ~A~ ; GFJ6LDFCFHZ ZCJF V+GF+5+ GR J[ 8sZNZf hMGqVFZP8LPVF. PqVFP! ! Z\_4 TFP\_(v\_ZvZ\_! ( GF 5+YL HF6 SZ[ CTLP TYF T[TFZLB VG[ ; DI [ VZHNFZL CFHZ ZCJF CTF HGF VG]; WFG HFCZ DFICTL VIWSFZL VG[ 0%I BL . HGZ ZL HIPV[DPMUFsXCZ IJSF; IJEFUF TZOYL VZHNFG[ VF5JF HMU ZCJL XCZ IJSF; IJEFUGL DFICTL V5L, TASS[TMNGA5+ SDFS GRPJ[ 8 hMGqVFZP8LPVF. qVFPGR! ! \_\*4TFP\_#v\_ZvZ\_! ( YL VZHNFG[ VFZP8LPVF. P VZHLYL DFU], DFICTL VU[ HJFAI5+ 5F9JTM5+ 5F9JJFDFVVFJ, VG[TDGFA51F[DFU], DFICTL VU[ZHMFTMSZ], CTLP

VFD VZHNFG[HFCZ DFICTL VIWSFZLZL TZQ[V+GL SRZL BFT[p5, aW DFICTL 5ZL 5F0JFDAVVFJ], KP  
CSD

VZHNFZGL DY VZHL4 V5L, VZHL TDH p5, aW CSLST WI FG[ , TFI 5YD V5L, VZHL GR  
SMC/SWZ/FAP/89/2017-184 TFPZZq\_! qZ\_! (VgJ1[GLR[D]HAGMCJD SZL V5L, GMIGSF, SZJFDAVFE[KP

VZHNFGZL VZHL V+[D?I F TFP ! &v! ZvZ\_! \* GFVVG; WFG[DFUJFDFVFJ], DFICTLVIM HFCZ DFICTL  
VIWSFZLZL TZOYL 5tI JTZ VZHNFGZG; ZGFD[TFP\_#q\_ZqZ\_! (GFZMH DMS, JFDFVFJ, KP VFD VZHNFGZL HFCZ  
DFICTL VIWSFZLZL TZO[V+GL SRZL BFT[p5, aW DFICTL 5ZL 5F0JFDFVFJ, KP H[wI FG], ITF VZHL VU[IJXDF SM.  
SFI JFCL SZJFGL ZCITL G CMI 4 V5L, VZHLGMIGSF, SZJFDRVFJ[KP

VZHNFZZL ; NZ CSDYL GFZH CMI TM UHZFT DFICL VFI MU4 SDI MUL EJG4 ZFH1 S1FGL SRZLVMa, MS  
GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GM! \_v VI UFWLGUZ BFT[ALHL V5L, SZL XS[KP

GRJ[:8 hMGq\VFZP8LPVF. PgGR  
TFZLBov v vZ\_! (P

SOLPVZPUMC, f  
V[5], B V[10]; Z VG[  
SFI 5F, S . HG[Zs51zD hfgvzanzf  
; zt DCFGUZ5FI, SFP

5|T4

s! fzL ; IRG 58f  
s! fHC7 DECTI V!WSEZI V!G!O!B! . HG74zI HIPVDPOM JE s JE 8hIGfsXC7 USE: UEFUfpppH6 : F7



OLPVFZPUMIC,  
V[5], 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5lÜD hMG sZFNZf  
OPPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP**)\_qZ\_! \*v! (   
TFPZZv\_! vZ\_! (

VZHNFZ ovzL ; IRG 58[

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZL TDFDsXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR 5&) 4 TFP ! Zq! ZqZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF YI [ S, Dv! ! DHAGL SFI JFCL AFATP

; NEbv VZHNFZGL TFPZq\_! q! ( GL **SMC/WZ/FAP/**)\_v! \*v! ( GL 5YD V5L, AFATP  
p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S| VZHNFZGL TFP ! Zq! ZqZ\_! \* GL VZHL YL UZSFN| Z  
AFWSFD IJ~WW UZSFN| Z AFWSFD WFZSMG[08SFZJFDA VFJ[ DGF. CSDGL GM8LX TYF AFWSFD WFZSMV[ VF5],  
AFWSFDGL GS, M VUGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDA VFJ[ Kp

; NZ VZHL AFAT[ VZHNFZ aFZF TFP ! Zq! ZqZ\_! \* GF ZMH ; WLDFAHFCZ DFICTL VIWSFZL aFZF IGI T ; DI  
DI FNFDADFICTL 5ZL 5F0JFDA VFJ[ G CMI IGIDMG] FZ IJGF DkI DFICTL D/JJF V5L, ; JIWSFZLG[5YD V5L,  
SZ[ Kp HGF VG]; WFG[ V+YL V5L, VZHL Gb **SMC/WZ/FAP/GP**)\_Z\_! \*v! ( TFPZq\_! q! ( YL HFCZ  
DFICTL VIWSFZLG[ V5L, TASS[ INGV\* DF DFICTLGL 5JTF SZJF HF6 SZ[ P H[DHA TFP! &q\_Zq! ( GF ZMH ; FH[  
\$o\_\_ S, FS[VZHNFZG[~A~ ZH]VFT DF8[AM, FJ[ CTF H[DFAVZHNFZL CFHZ ZC[ Kp VG[~A~ ZH]VFT SZ[ Kp  
VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL  
VIWSFZL VG[0%I BL . HGZ TZOYL DY VZHLGF ING v#\_ DF SM. DFICTL 5ZL 5F0JFDA VFJ[ GYL 5ZT] V5L,  
TASS[ VZHNFZLG[ TFP \_\_)q\_ZqZ\_! ( GF ZMH ; FH[ \$o\_\_ S, FS[ NOTZL . :5\$XG ; AA ; \$XG VM0; ZZL s8\$F  
; D1F CFHZ ZCJF HFCZ DFICTL VIWSFZLV[H6FJ[ Kp H[VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA VFJ[  
Kp

### o CSD o

VZHNFZLG[ D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[, TFAGLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDA VFJ[ Kp

VZHNFZLG[ GL TFP! Zq! ZqZ\_! \* GL VZHL YL DFUJFDA VFJ[ DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f C9/ IJGF DkI NOTZL . :5\$XG YI YL INGV\_\* DF V+GF p5, aW Z\$0" DHA DFICTL VZHNFZLG[  
5ZL 5F0JF TDH VFZP8LPVF. P C9/ VFJTL DFICTL q 5JTF DFUTL VZHL VU[ ; DI DI FNFDADFICTL 5ZL 5F0JFq  
5JTF 5F9JJF VU[ SF/HL ZFBJF HFCZ DFICTL VIWSFZL VG[0%I BL . HGZL TDFD4 J: 8 hMG[ TFSLN SZJFDA  
VFJ[ Kp

VZHNFZLG[ ; NZ CSDYL GFZFH CMI TM UHZET DFICTL VFI MU4 SD1 MUL EJG4 ZFH I S1FGL SRZLVMa, MS  
GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V[ UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

GRJ: 8 hMGq VFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P

sOLPVFZPUMIC, f  
V[5] 8 VFIO; Z VG[  
SFI 5F, S . HGZs5IzD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SF

5JT4

s! fzL ; IRG 58[

SZf HFCZ DFICTL VIWSFZL VG[0%I BL . HGZL TDFD sJ: 8hMGfsXCZ IJSF; IJEFUFPPPHF6 TYF VD, DF8P  
s#f; \$XG VM0; Z sVFZP8LPVF. ; f5JTTPPPPPP HF6 TYF VD, DF8P



OLPVFZPUMC,  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNFZf  
OPPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_\_\_ )P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GpSMC/WZ/FAP/GP)! qZ\_! \*v! ( TFP\_5v\_ZvZ\_! (

VZHNFZ ovzL ; IRG 58[

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZL VGP5LP XFCsXCZ IJSF; fsJ:8 hMGf  
OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR &\$\_ 4 TFP ZZq! ZqZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJFZ YI[ S, Dv! ! DHAGL SFI JFCL AFATP

; NEbV VZHNFZGL TFP\_5q\_Zq! ( GL SMC/WZ/FAP/ ) ! v! \*v! ( GL 5YD V5L, AFATP  
p5ZMST IJ0FI VG[ ; NE" AFAT[ H6FJJFG]S[ VZHNFZGL TFP ZZq! ZqZ\_! \* GL VZHL YL ZFNZ hMGfCN  
IJ:TFZDA VFJ[ ZFNZ UFDT/GF[IJW DCMk, FDF VFJ[ ID, STMGL 5ZJFGULVM AFAT[ D]F GR ! YL ) GL TDFD  
DF/GF%, FGGL GS, 4 AIP1P; L GL GS, 4 5+jI JCZM[ ; 56"OF. , GM8LXGL GS, 4 OFI Z ; D8L DF8GL VGPVMP; LP  
D/JJFDFAVFJL CMI TMTGL GS, VF5JF VUGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDFAVFJ[ Kp

; NZ VZHL AFAT[ VZHNFZ äFZF TFP ZZq! ZqZ\_! \* GF ZMH ; WLDFAHFCZ DFICTL VIWSFZL äFZF IGI T ; DI  
DI FNFDADFICTL 5ZL 5F0JFDFAVFJ[ G CMI IGI DMG; FZ IJGF DkI DFICTL D/JJF V5L, ; 2IWSFZLG[5YD V5L,  
SZ[ Kp HGF VG]; WFG[ V+YL V5L, VZHL GpSMC/WZ/FAP/GR)! /Z\_! \*v! ( TFP\_5q\_Zq! ( YL HFCZ  
DFICTL VIWSFZLG[ V5L, TASS[ INGV\* DFADFICTL 5JTF SZJF HF6 SZ[ P H[DHA TFP! &q\_Zq! ( GF ZMH ; FH[  
\$0\_\_ S, FS[VZHNFZG[~A~ZH]VFT DF8[AM, FJ[ CTFP H[DFAVZHNFZL CFHZ ZC[ Kp VG[~A~ZH]VFT SZ[ Kp  
VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DFADFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL  
VIWSFZL VG[0%I]BL . HGZ TZOL D/ VZHLGF ING v#\_ DFADFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL  
DHAGMCSD SZL V5L, GMGSF, SZJFDFAVFJ[ Kp

### o CSD o

VZHNFZZLGL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , TFAGLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDFAVFJ[ Kp

VZHNFZZLGL TFP ZZq! ZqZ\_! \* GL VZHL YL DFUJFDFAVFJ[ DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f C9/ IJGF DkI INGV\_\* DFV+GF p5, aW Z\$0" D]HA DFICTL VZHNFZZLG[ 5ZL 5F0JF TDH  
VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJFDFUTL VZHL VU[ ; DI DI FNFDADFICTL 5ZL 5F0JFq 5tI TZ 5F9JJF VU[  
SF/HI ZFBJF HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZL4 J[8hMG[TFSN SZJFDFAVFJ[ Kp

VZHNFZZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFH1 S1FGL SRZLVMa, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V# UWLGUZ BFT[ALHL V5L, SZL XS[ Kp

GRJ[8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P

sOLPVFZPUMC, f  
V[5] 8 VFIO; Z VG[  
SFI '5F, S . HGZs5lZD hFGvZFNZf  
; ]ZT DCFGUZ5FI, SF

5|T4  
s! fZL ; IRG 58[  
SZF HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZL VGP5LPXFC sJ:8hMGfsXCZ IJSF; IJEFUfPPPFF6 TYF VD, DF8P  
s#f; \$XG VM0; Z sVFZP8LPVF. ; f5|TFFFFF6 TYF VD, DF8P



HPVFZP; M, ISL  
V5[; 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; JT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP**) ZqZ\_! \*v! ( TFP! &v\_ZvZ\_! (

VZHNZ ov zL ZDIX SPHFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[TDFD 0%]BL . HGZL sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNZ GL J: 8hMG VF. POLPGR &\_\_4 TFP Z! q! ZqZ\_! \* GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP  
; NEbv VZHNZGL TFP! &q\_Zq! ( GL **SMC/WZ/FAP/GP**) Zv! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNZGL TFP Z! q! ZqZ\_! \* GL VZHL YL U[ZSFN] N[ Z  
AFWSFDM TFP \_! q\_&qZ\_! & YL TFPZ! q! ZqZ\_! \* NZdI FG hMG IJ: TFZDFpEF YTqYI[ U[ZSFN] N[ Z AFWSFDM 5\$L  
HDFhMGF VIWSFZLVM\$ZF ; L, DFZJFGL SFI "JFCL SZJFDFVFEJL K[TJL ID<STMGL IJUTJFZ DFICTL H[JF D]F GR ! YL  
5 VUGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDFVFEJ[ K]

; NZ VZHL AFAT[ VZHNZ aZF HFCZ DFICTL VIWSFZL aZF IGIT ; DI DI FNFDFA DFICTL 5ZL 5F0JFDF  
VFJ[ G CMI IGI DMG] FZ IJGF DkI[ DFICTL D/JF V5L, ; ?VIWSFZLG[ V5L, VZHL G  
**SMC/WZ/FAP/GP**) Z/Z\_! \*v! ( TFP! &q\_ZqZ\_! ( YL V5L, SZ[ Kp HGF VG] WFGDFV5L, TASS[INGV\*  
DFDFICTLGL 5JTF SZJF TDFD HFCZ DFICTL VIWSFZLG[Hf6 SZ[ P V5L, GL SFI "JFCL NZdI FG TFP ! Zq\_Zq\_! ( GF  
ZMH A5M! Z0\_\_ S, FS[ ; GFJ6L ZFBJFDFVFEJ[ 4 H[D VZHNZ ZL CFHZ CTP 5ZT] HFCZ DFICTL VIWSFZL ZL VG[  
TDFD 0%]BL . HGZL JLHL, g; SFI "JFCL DFZM[SFN] CMI 4 CFHZ ZCL XS[ GCL4 HYL tI FZAFN TFP ! 5q\_Zq\_! ( GF  
ZMH A5M! Z0\_\_ S, FS[ VZHNZG[ ~A~ ZHMFDT DF8[AM, FJ[ CTP H[D VZHNZ ZL CFHZ ZC[ Kp VG[ ~A~  
ZHMFDT SZ[ Kp VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNZG[ING v#\_ DFICTL 5ZL 5F0JFGL CMI Kp V+YL  
HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL DV VZHLGF ING v#\_ DFISM. DFICTL 5ZL 5F0JFDFVFEJ[ GYL H[  
VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDFVFEJ[ Kp

### o CSD o

VZHNZ ZL D/ VZHL V5L, VZHL T[DH p5, aW CSLST wI FG[ , T[GLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDFVFEJ[ Kp

VZHNZ ZL GL TFPZ! q! Zq\_! \* GL VZHL YL DFUJFDA VFJ[ DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f C9/ IJGF DkI[ INGV! \_ DFV+GF p5, aW Z\$0" D]HA DFICTL VZHNZ ZL 5ZL 5F0JF T[DH  
VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JFq 5tI JTZ 5F9JJF VU[  
SF/HL ZFBJF HFCZ DFICTL VIWSFZL VG[TDFD 0%]BL . HGZ ZL4 J: 8 hMG[TSNL SZJFDFVFEJ[ Kp

VZHNZ ZL ; NZ CSDYL GFZFH CMI TM UHZET DFICTL VFIMU4 SD1MUL EJG4 ZFH1 S1FGL SRZLVIIa, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GM! \_v V[ UFVLGUZ BFT[ALHL V5L, SZL XS[ Kp

GRJ: 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P

sHPVFZP; M, ISL  
V5[; 8 VFIO; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZENZf  
; JT DCFGUZ5FI, SF

5|T4

s! fzl ZDX SPHFUL04

sZf HFCZ DFICTL VIWSFZL VG[TDFD O%I BL . HGZzL sJ; 8hMGfsXCZ IJSF; IJEFUfPPPHF6 ; FZP

s#f; SXG VMO; Z sVFZP8LP\VF. ; [ f5|TPPPPPP HF6 ; FZ]

\



HPVFZP; M, ISL  
V5I, B VMOL; Z VG[  
SFI "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FCJA NJZ; ZM04 TFOJFOL4  
gI ] ZENZ ZM04; JT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL G~~SMC/WZ/FAP/GP~~ #qZ\_! \*v! ( TFP! &v\_ZvZ\_! (

VZHNFZ ov zl ZDX SPHFULO

; FDFJF/FovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZzL V|GP5IPXFC4 zL DLTFA(G UFWL4  
zL HLPV|DPOMUFsXCZ IJSF; fsJ; 8 hMG

OZLI FNGL CSLST ov VZHNFZ GL J; 8hMG VF. POLPGR &\_54 TFP ZZq! ZqZ\_! \* GL VZHL YL VFZP8LPVF. PC9/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP

; NEbV VZHNFZGL TFP! &q\_Zq! ( GL ~~SMC/WZ/FAP/~~) #v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNFZGL TFP ZZq! ZqZ\_! \* GL VZHL YL ZENZ hMG SRZL 1F+DA  
pEF YTFYI, UZSFN N; Z AFWSDM TYF T[DF8[HJFANZ VIWSFZLqSDRFZLVM IJ~WW SFI "JFCL SZJF VUZF IJHL, g;  
IJEFU wJZF VF5GF IJEFUDA 5F9JJFDA VFJ, 5+MGF VG; WFGDA 5+MDA H6FJ, UZSFN N; Z ID<STM ; FD| VF5GF  
IJEFU wJZF SM. SFI "JFCL SZJFDA VFJ CMI TM TGL GS, M; ICT IJUT HJF D; F GR ! YL \$ VUZL DFICIT DFUTL VZHL  
V+GF hMG BFT[SZJFDA VFJ, K]

; NZ VZHL AFAT[VZHNFZ aZF HFCZ DFICTL VIWSFZL aZF IGI T ; DI DI FNFDA DFICTL 5ZL 5F0JFDA VFJ,  
G CMI IGI DMG; FZ IJGF DkI [DFICTL D/JF V5L, ; qVIWSFZL V5L, VZHL G~~SMC/WZ/FAP/GP~~ #/Z\_! \*v! ( TFP! &q\_ZqZ\_! ( YL V5L, SZ, Kp HGF VG; WFGDA VFJ, TASS[INGv\* DFDFICLGL 5JTF SZJF, FUT HFCZ DFICTL  
VIWSFZLG[H6 SZ] 4 V5L, GL SFI "JFCL NZdI FG TFP ! Zq\_ZqZ\_! ( GF ZMH A5MZ ! Zo\_\_ S, FS; JFJ6L ZFBJFDA VFJ, 4  
HDA VZHNFZL CFHZ CTF 5ZT, FUT HFCZ DFICTL VIWSFZLzL JIHL, g; SFI "JFCL DFZMSFI, CMI 4 CFHZ ZCL XS,  
GCI4 HYL tI FZAFN TFP! 5q\_ZqZ\_! ( GF ZMH A5MZ ! Zo\_\_ S, FS; VZHNFZG[~A~ ZHMFT DF8[ AM, FJ, CTF HDA  
VZHNFZL TYF, FUT HFCZ DFICTL VIWSFZLzL CFHZ ZC, Kp VG[~A~ ZHMFT SZ, Kp VFZP8LPVF. V\$8GL S, D  
\*s! fC9/ VZHNFZG[ING v#\_ DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL  
DY VZHLGF ING v#\_ DFSM DFICTL 5ZL 5F0JFDA VFJ, GYIP H[VU[GLR[D]HAGM CSD SZL V5L, GMIGSF, SZJFDA  
VFJ[K]

o CSD o

VZHNFZL GL TFPZZq! Zq! \* GL VZHL YL DFUJFDA VFJ, DFICTL VU VFZP8LPVF. P V\$8GL S, Dv\*s&f  
C9/ IJGF DkI [INGv! \_ DFV+GF p5, aW Z\$0"DH A DFICTL VZHNFZLIG[5ZL 5F0JF TDF VFZP8LPVF. P C9/ VFJTL  
DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDA DFICTL 5ZL 5F0JFq 5JTI JZ 5F9JJF VU[SF/HL ZFBJF, FUT HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZ zI4 J; 8 hMGG[TFSN SZJFDA VFJ[K]

VZHNFZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VF1 MU4 SD1 MUL EJG4 ZFH1 S1FGL SRZLVM a, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V# UFWLGUZ BFT[ALHL V5L, SZL XS[K]

GRJ; 8 hMG VFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P

sHPVFZP; M, ISL  
V5I, B VFIO; Z VG[  
SFI "5F, S . HGZs5IzD hFGvZENZf  
; JT DCFGUZ5FI, SF

s! fzl zdX spHfUlo4  
sZf Hfcz dfictl viwsfzl vg0% bl . HG%zl vGp5lpXfc4 zl dltfaG uwfl4  
zl hlpv|dpomJfsJ;8hMGfsXcZ ljsf; ijefufppphf6 ; fzP  
s#f; sxG vmo; z sVfp8lpvf. ; [ f5|tpfffff hf6 ; fz]



HPVFZP; M, ISL  
V[5], [8 VMOL; Z VG[  
SF1 "5F, S . HGZ



; JZT DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; JZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP**) \$qZ\_! \*v! ( TFP! &v\_ZvZ\_! (

VZHNZ ov zl ZDIX SPHFULO

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZzL V[G5LPXFC4 zL DLTFAG UFWL4  
sXCIJ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNZ GL J[8hMG VF. POLPGR &\_(4 TFP ZZq! ZqZ\_! \* GL VZHL YL VFZP8LPVF. P CP/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP  
; NEbv VZHNZGL TFP! &q\_Zq! ( GL **SMC/WZ/FAP/**) \$v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNZGL TFP ZZq! ZqZ\_! \* GL VZHL YL  
TFP! \$q\_\*Z\_! \* YL TFP ZZq! ZqZ\_! \* NZdI FG ZENZ hMG IJ:TFZ 8LP5LPGR! #sV0FH6f4 8LP5LP GR (s5F, G5Zf4  
8LP5LPGR \$Z4 \$#sHCFULZFAFNf4 8LP5LPGR \$\$ YL \$&sHCFULZ5ZffDF pEFqYI[ UZSFI N[ Z AFWSFDM 5F9J[  
GM8LX4 DGF. CSD4 Vj8E GM8LX TYF TFSNGF 5+MGF GS, HJF DJF GR ! YL \$ VUGL DFICIT DFUTL VZHL V+GF  
hMG BFT[SZJFDA\VFJ[ Kp

; NZ VZHL AFAT[ VZHNZ aFZF HFCZ DFICTL VIWSFZL aFZF IGIT ; DI DI FNFDFA DFICTL 5ZL 5F0JFDA  
VFJ[ G CMI IGI DMG] FZ IJGF DkI[ DFICTL D/JJF V5L, ; ɆVIWSFZLG[ V5L, VZHL Gb  
**SMC/WZ/FAP/GR**) \$/Z\_! \*v! ( TFP! &q\_ZqZ\_! ( YL V5L, SZ[ Kp HGF VG]; WFGDA V5L, TASS[ INGV\*  
DFDFICTLGL 5TTF SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SFI "JFCL NZdI FG TFP ! Zq\_\*Z\_! ( GF  
ZMH A5MZ ! Zo\_\_ S, FS[ ; JFJ6L ZFBJFDA VFJ[ 4 HDA VZHNZzL TYF HFCZ DFICTL VIWSFZL CFHZ CTFP 5ZT] HFCZ  
DFICTL VIWSFZLzL JIHL, g; SFI "JFCL DFZMSFI[ CMI 4 CFHZ ZCL XS[ GCL4 HYL tIFZAFN TFP! 5q\_\*Z\_! ( GF ZMH  
A5MZ ! Zo\_\_ S, FS[ VZHNZG[ ~A~ ZH]VFT DF8[AM, FJ[ CTFP HDA VZHNZzL TYF , FUT HFCZ DFICTL VIWSFZL  
CFHZ ZC[ Kp VG[~A~ ZH]VFT SZ[ Kp VFZP8LPVF. VS8GL S, D \*s! f CP/ VZHNZG[ ING v#\_ DR DFICTL  
5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZ TZOYL DV VZHLGF ING v#\_ DRSM. DFICTL  
5ZL 5F0JFDA VFJ[ GYLP H[VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA VFJ[ Kp

### o CSD o

VZHNZzLGL DV VZHL V5L, VZHL TDH p5, aW CSLST wI FG[ , TFAGLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDA VFJ[ Kp

VZHNZzL GL TFPZZq! Zq! \* GL VZHL YL DFUJFDA VFJ[ DFICTL VU[ VFZP8LPVF. P VS8GL S, DV\*s&f  
CP/ IJGF DkI[ INGV! \_ DR V+GF p5, aW ZS0" DHA DFICTL VZHNZzLGS[ 5ZL 5F0JF TDPH VFZP8LPVF. P CP/  
VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JFq 5tI]Z 5F9JJF VU[ SF/HL ZFBJF  
HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZ zL4 J[8 hMGG[TFSLN SZJFDA VFJ[ Kp

VZHNFZZL ; NZ C\$DYL GFZH CM! TM UHZFT DFICTL VFI MU4 SD! MUL EJG4 ZFH! S1EGL SRZLVMa, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V! UFVLGUZ BFT[ALHL V5L, SZL XS[KP

sHPVFZP; M, \$LF  
V5! B VF!0; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZNZf  
; ZT DCFGUZ5Fl, SPP  
5|T4  
s! fzl ZDX SPHFA  
sZf HFCZ DFICTL VIWSFZL VG[0%I BL . HGZzL VGP5LPXFC4 zL DLTAG UFVL4sJ; 8hMGfsXCZ  
IJSF; IJEFUFPPPHF6 ; FZP  
s#f; \$XG VM0; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]



HPVFZP; M, ISL  
V[5, 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g] ZENZ ZM04; JT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL G~~SMC/WZ/FAP/GP~~) 5qZ\_! \*v! ( TFP! &v\_ZvZ\_! (

VZHNZ ov zL ZDIX SPHFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I ]BL . HGZzL V|GP5LPXFC4 sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNZGL D/ VF. POLPGR ZZ\$#4 TFP! (q\_! qZ\_! (sJ: 8hMG VF. POLPGR &&) 4 TFP  
Z\_! qZ\_! (f GL VZHL YL VFZP8LPVF. P C9/ HFCZ DFICTL VIWSFZL wJZF SZJF HMU  
SFI "JFCL AFATP

; NEbv VZHNZGL TFP! &q\_Zq! ( GL ~~SMC/WZ/FAP/~~) 5v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNZGL TFP Z\_! qZ\_! ( GL VZHL YL 8LP5LPGR  
Z) sZENZf4 VDP5LP##4 ; A %, M8 GR #Z\_ YL #Z5 ID<STDAYTA AFWSFD AFAT[ IJHL, g; IJEFU \$FZF VF5GF  
IJEFUDF TFP! )q! \_qZ\_! \*4 TFP\_Zq\_&qZ\_! \*4 TFP\_(q\_)qZ\_! \*4 TFP\_\$q! \_qZ\_! \*4 TYF \_&q! ! qZ\_! \* YL  
5F9J, 5+MGL GS, VF5JF AFAT HJF DfF GR ! YL & VUJGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDFVJF]  
Kp

; NZ VZHL AFAT[ VZHNZ afZF HFCZ DFICTL VIWSFZL afZF IGI T ; DI DI FNFDF DFICTL 5ZL 5F0JFDA  
VFJ, G CMI IGI DMG] FZ IJGF DkI[ DFICTL D/ JF V5L, ; jVIWSFZLG[ V5L, VZHL G~~SMC/WZ/FAP/GP~~) 5/Z\_! \*v! ( TFP! &q\_ZqZ\_! ( YL V5L, SZ, Kp HGF VG; WFGDFV5L, TASS[INGV\*  
DFDFICTLGL 5JTf SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ, P V5L, GL SFI "JFCL NZdI FG TFP ! Zq\_#qZ\_! ( GF  
ZMH A5M! Zo\_\_ S, FS; JGF6L ZFBJFDFVJ, 4 HDFVZHNZzL CFHZ CTFP 5ZT] HFCZ DFICTL VIWSFZzL TDFD  
JLHL, g; SFI "JFCL DFZMSFI, CMI 4 CFHZ ZCL XS, GCI4 HYL tFZAFN TFP! 5q\_#q! ( GF ZMH A5M! Zo\_\_ S, FS  
VZHNZG[~A~ ZHJFDT DF8[AM, FJ, CTFP HDFVZHNZzL TYF , FUT HFCZ DFICTL VIWSFZL CFHZ ZC, Kp VG[  
~A~ ZHJFDT SZ, Kp HGF VG; WFGHFCZ DFICTL VIWSFZL VG[0%I BL . HGZzL V|GP5LPXFCsXCZ IJSF; IJEFUF  
TZOYL VZHNZG[ VF5JF HMU ZCZL XCZ IJSF; IJEFUGL DFICTL V5L, TASS[ T|VIGFA 5+ SDFES GRPJ: 8  
hMGqVFZP8LPVF. qVFPGR! Z) ! 4 TFP! \$v\_#vZ\_! ( YL VZHNZG[ VFZP8LPVF. P VZHL YL DFU, DFICTL VU  
HJFAL5+ 5F9JTM5+ 5F9JJFDFVJ, P

VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNZG[ING v#\_ DFDFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%I BL . HGZ TZOYL D/ VZHLGF ING v#\_ DFDSM. DFICTL 5ZL 5F0JFDA VJF, GYLP H[ VU[  
GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDFVJ[Kp

o\_CSD o

VZHNZzLGL D/ VZHL V5L, VZHL TDH p5, aW CSLST wI FG[ , T|VGLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDFVJ[Kp

VZHNZzL GL TFPZ\_! q! ( GL VZHL YL DFUJFDFVJ, DFICTL VU[ VFZP8LPVF. P V\$8GL S, Dv! !  
C9/ GL SFI "JFCL C9/ Kp HYL VZHNZ \$FZF DFUJFDFVJ, DFICTL +FICT 51FSFZGL CMI 4 ; AIWT 51FSFZ TZOYL  
CSFZtDS 5tIjZ D?I YL S, Dv\*s&f C9/ IJGF DkI[ INGV! \_ DFV+GF p5, aW Z\$0"DH A DFICTL VZHNZzLGL  
5ZL 5F0JF H6FJJFDFVJ, Kp TDH VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDF

DFICTL 5|ZL 5F0JFq 5tI|TZ 5F9JJF VU|SF/HI ZFBJF HFCZ DFICTL VIWSFZL VG[0%I|BL . HGZ ZL4 J|8 hMGG  
TFSLN SZJFDA VJ[KP

VZHNFZZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHIS1FGL SRZLVMa, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; S8Z GV! \_v V| UWLGUZ BFT[ALHI V5L, SZL XS[KP

sHPVFP; M, \$LF  
V5| 8 VF|0; Z VG[  
SFI '5F, S . HGZs5lzD hFGvZNZf  
; ZT DCFGUZ5FI, SF

5|T4

s! fzl ZDX SPHFUJ04

sZf HFCZ DFICTL VIWSFZL VG[0%I|BL . HGZ ZL VGP5LPXFC4 SJ:8hMGfsXCZ IJSF; IJEFUfPPPXF6 ; FZ|  
s#f; SXG VM0; Z sVFZP8LPVF. ; |, f5|TPPPPPP HF6 ; FZ|



HPVFZP; M, ISL  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; JT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL G~~SMC/WZ/FAP/GP)~~ &qZ\_! \*v! ( TFPZZv\_ZvZ\_! (

VZHNFZ ov zl ZDIX SPHFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[ TDFD 0%I ]8L . HGZzL sXCZ IJSF; fsJ: 8 hMGf  
OZLI FNGL CSLST ov VZHNFZGL D/ VF. POLPGR ZZ554 TFP ! (q\_! qZ\_! (sJ: 8hMG VF. POLPGR &\*\_4 TFP  
Z\_! qZ\_! (f GL VZHL YL VFZP8LPVF. PCP/ HFCZ DFICTL VIWSFZL wJZF SZJF HMU  
SFI "JFCL AFATP  
; NEbv VZHNFZGL TFPZZq\_Zq! ( GL ~~SMC/WZ/FAP/~~) &v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL TFP Z\_! qZ\_! ( GL VZHL YL HP . HGZ  
VRPVDP58[ 5Z YI[ V[ LAL S[ AFN ZENZ hMGGF VIWSFZL SDRFZL wJZF hMG IJ:TFZGL H[ VH[ DHZ %, FG  
IJ~wWGL TYF U[ZSFI N[ Z ID<STMGL RSF; 6L SZJFDA VFJL Kp TjL ID<STMGL IJUTJFZ DFICTL H[JF D]F GR ! YL #  
VUGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDA VFJ[ Kp

; NZ VZHL AFAT[ VZHNFZ aFZF HFCZ DFICTL VIWSFZL aFZF IGI T ; DI DI FNFDFA DFICTL 5ZL 5F0JFDF  
VFJ[ G CMI IGI DMG] FZ IJGF D]I[ DFICTL D/ JF V5L, ; ?VIWSFZLG[ V5L, VZHL G~~SMC/WZ/FAP/GP)~~ &/Z\_! \*v! ( TFPZZq\_ZqZ\_! ( YL V5L, SZ[ Kp HGF VG] WFGDFA V5L, TASS[ INGV\*  
DFDFICTLGL 5ZTF SZJF TDFD HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SFI "JFCL NZdI FG TFP ! Zq\_#qZ\_! ( GF  
ZMH A5M[ ! Zo\_\_ S, FS[; JFJ6L ZFBJFDA VFJ[ 4 H[D AVZHNFZL CFHZ CTFP 5ZTF HFCZ DFICTL VIWSFZL TDFD  
JLHL, g; SFI "JFCL DFZMSFI [ CMI 4 CFHZ ZCL XS[ GCI4 H[YL tI FZAFN TFP ! 5q\_#q! ( GF ZMH A5M[ ! Zo\_\_ S, FS[  
VZHNFZG[ ~A~ ZH]VFT DF8[ AM, FJ[ CTFP H[D AVZHNFZL TDFD HFCZ DFICTL VIWSFZL CFHZ ZC[ Kp VG[  
~A~ ZH]VFT SZ[ Kp VFZP8LPVF. V\$8GL S, D \*s! f CP/ VZHNFZG[ ING v#\_ DF DFICTL 5ZL 5F0JFGL CMI Kp  
V+YL HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZ TZ0YL D/ VZHL GF ING v#\_ DF DFICTL 5ZL 5F0JFDF VFJ[  
GYLP H[ VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA VFJ[ Kp

### o\_CJSD o

VZHNFZL GL TFPZ\_! q! ( GL VZHL YL DFUJFDA VFJ[ DFICTL VU[ VFZP8LPVF. P V\$8GL S, DV\*s&f  
CP/ IJGF D]I[ INGV! \_ DF V+GF p5, aW Z\$0" D]HA DFICTL VZHNFZL LG[ 5ZL 5F0JF TDFH VFZP8LPVF. P CP/

VFJTL DFICTL q 5ZEFJ DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JFq 5tI TZ 5F9JJF VU[ SF/HL ZFBJF  
TDFD HFCZ DFICTL VIWSFZL VG[0%I ]8L . HGZ zl4 J[ 8 hMG[ TSFLN SZJFDA VFJ[ Kp

VZHNFZZL ; NZ C\$DYL GFZH CM! TM UHZFT DFICTL VFI MU4 SD1 MUL EJG4 ZFH1 S1EGL SRZLVMa, MS  
GRv! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V# UFWLGUZ BFT[ALHL V5L, SZL XS[KP

SHPVFZP; M, \$Lf  
V5[ 8 VFIO; Z VG[  
SFI 5F, S . HGZs5IzD hfGvZNZf  
; ZT DCFGUZ5F1, SFP  
5|T4

s! fzl ZDX SPHFUL04  
sZf HFCZ DFICTL VIWSFZL VG[0%I Bl . HGZvTDFD 0%I Bl . HGZzL sJ:8hMGfsXCZ IJSF; IJEFUFPPPXF6 ; FZP  
s#f; SXG VMO; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]  
\



V5l, VIWSFZL VG[VF; LP SIDxGZ  
J[ 8 SZFN[Zf hMG4  
OPAF/F ; FC[A NJZ; ZM04  
ZFN[Z ZM04  
; ZT DCFGUZ5Fl, SF4; ZTP

OMG GAZ o \_Z&! vZ\*(&! (! v(Zv(#  
J[ 8 hMG VM0; 4 ; ZT DCFGUZ5Fl, SF4; ZTP  
5YDV5L, o  
**SMC/WZ/FAP/NO.97/2017-18**  
TFZLB oZ(q\_ZqZ\_! (

VZHNFZ ov zl VFhFN DMPZlhJFG VaN], ZA  
; FDFJF/F ovs! f HFC[Z DFICTL VIWSFZL VG[5; MG[ VM0; ZZL4  
sZfHFC[Z DFICTL VIWSFZL VG[VFSFZ6L VG[J; ] FT VIWSFZLZLP  
OZLI FNGL CSLST ov

IJQFI ov ZF. 8 8]. gOMD[XG V\$8 Z\_\_5 CP/GL zl VFhFN DMPZlhJFG VaN], ZAGL  
TFP! 5v\_! vZ\_! ( GL D/V VZHLDH6Fj1FDHA ZL; [ GF 5IZ5+5Z VD, YT]  
CMI T[ H6FT] GYL4 SB, FS 5\$L 58FJF/F4 I; S1ZL8L UF04 SMg8FS8GF S[  
5ZDGg8GF SDRFZL4 VIWSFZLVM HMJF D/[ Kp SFI NF IGI DGL JFTM T[56 OST  
SFU/ 5Z ZC[ CMI T[ H6F1 Kp H[UELZ IJQFI Kp SMg8FS8GF S[ 5ZDGg8GF  
DF6; MDAZHF4 ZHFGM5UFZ4 TF, LDDFENEFJ YT]CMI T[S1 F SFI NF IGI DG]; FZ  
Kp HGF ! YL ZZ DJF 5\$L ZFN[Z hMGG[, UTF DJF GL DFICTL VF5JF AFATP  
; NE" ov VZHNFZGL D/V VF. POLPGVZZ\_( TFP! ! q\_! qZ\_! ( s5IüD hMG VF. POLPGP  
&& 4 TFP! 5v\_! vZ\_! ( f T[DH V+GL TFP Z(q\_Zq! ( GL 5YD V5L,  
VZHL GP **SMC/WZ/FAP/97/17-18**

p5ZMST IJQFI [ VFZP8LPVF. P V\$8 CP/ VZHL SZGFZ VZHNFZ zl VFhFN DMPZlhJFG VaN],  
ZA4 VF5ZLGL p5ZMST IJQFI VG; WFGDF VF5GF wJFZF ZF. 8 8]. gOMD[XG V\$8 CP/YL DFUJFDF VFJ[  
DFICTLGF ! YL ZZ DJF 5\$L ZFN[Z hMGG[, UTF DJF AFAT[ ZFN[Z hMG C:TSGF DCSD IJEFU VG[VFSFZ6L  
IJEFUGF Z\$0"DH A HJFAL 5+ 5F9JJFDF VFJ[ P

H[VZHNFZ[ 5YD V5L, VZHL IGIN08 ; DI DR5ITEFJ D?IMGYL CMJFG]H6FJL 5YD V5L, TFP  
Z&q\_ZqZ\_! ( GF ZMH ; b8= hMG BFT[ SZJFDF VFJ[ H[ TFP Z(v\_ZvZ\_! ( GR ZMH V+GF hMG BFT[  
TANL, Y. V+GF V5L, VIWSFZL VG[VF; LP d1]GP SIDxGZzL4 J[ 8sZFN[Zf hMG4 ; ZT DCFGUZ5Fl, SF4;  
; ZTGL SRZLVMG[D/[ P H[5YD V5L, VZHL TFP Z(q\_Zq! ( 4 **SMC / WZ / FAP / NO. ) \*2017-18**  
YL GMWFI[ CTLP

t1FZAFN pST V5L, VZHL AFAT[ VZHNFZ zl VFhFN DMPZlhJFG VaN], ZA T[DH , FUT HFC[Z  
DFICTL VIWSFZL VG[5; MG[ VM0; ZZL4 sJ[ 8 hMGf TYF HFC[Z DFICTL VIWSFZL VG[VFSFZ6L VG[J; ] FT  
VIWSFZLZL sJ[ 8 hMGfG[ V5L, VIWSFZL VG[ VF; LP SIDxGZ sJ[ 8 hMGf ; ZTGL SRZL ; D1F  
TFP! &v\_#vZ\_! ( GR ZMH A5M[! Z o\_\_ S, FS[V5L, VUGL~A~ ; GFJ6LDFCFHZ ZCJF V+GF5+ GP  
JP hMG sZFN[Zf q VFZP8LPVF. q VFP! ZZ(4 TFP\_\*v\_#vZ\_! ( YL H6FJJFDF VFJ[ P pST H6FJ[

TFZLB VG[ ; DI[ VZHNFZL UZCFHZ ZC1 F CTFT TDH , FUT HFCZ DFICTL VIWSFZL VG[ 5; MG[ VMIO; ZZL4 TYF HFCZ DFICTL VIWSFZL VG[ VFSZ6L VG[J; ], FT VIWSFZL V5L, VUGL ~A~ ; GFJ6L NZdI FG CFHZ ZC[ CTFT VG[T]DGM51F TYF IJUTM VU[GLR[D]HA ZH]VFTMSZ[ CTL

VZHNFZGL V5L, VUGL ZH]VFT AFAT[ , FUT D]F GR s! f TYF sZfGF HFCZ DFICTL VIWSFZL VG[ VFSZ6L VG[ J; ], FT VIWSFZL ZL4sJ[ 8 hMGf TZOYL ZH]VFT SZJFDF VFJ[ S! VFSZ6L VG[ J; ], FT VIWSFZL TZOYL VZHNFZ DHSZG[ TFP Z#q\_! qZ\_! (GF ZMH 5+ GR VFZP8LPVF. P; [ PsJ[ 8 hMGf q! \_\*\* C9/ DFICTL IGI DFG[ FZ ; DI DI FNFDFA5F9J[ K! TYF V5L, ; NE[ 5+ GR ! Z#4 TFP ! Zq\_#qZ\_! (GF ZMH IJUTJFZGM 51F ZH]S2L VCJF, VF5[ K! JW]SM. ZH]VFT GYLP TYF HFCZ DFICTL VIWSFZL VG[ 5; MG[ VMIO; ZZL4 sJ[ 8 hMGf TZOYL , FUT D]F GR ! 4 # TYF ! & VgJ1[ VZHNFZG[ DFICTL TYF GF6F EZJF H6FJTM 5+ RTI/OUT/NO.1081, TFP Z#q\_! qZ\_! (GF ZMH 5F9J[ H[ VgJ1[ VZHNFZ[ ~FP ZqV Z; LN GR #\_\_qZ#) 4 TFP Z) q\_! qZ\_! (YL HDF SZFJTA HFCZ DFICTL VIWSFZL V[ TFP \_! q\_ZqZ\_! (GF ZMH DFICTL :5LO 5M:8YL VF5JFDF VFJ[ K! TD H6FJ[ P

## CSD

VZHNFZGL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , TFA 5YD V5L, VZHL GR **SMC/WZ/FAP/97/2017-184** TF0Z(q\_ZqZ\_! (VgJ1[ GLR[D]HAGMCSD S2L V5L, GMIGSF, SZJFDF VFJ[K!

VFZP8LPVF. PV\$8VZ\_\_5 C9/ GL DFICTL DFUTL VZHNFZGL VF. POLPGRVZZ\_(4 TFP! ! q\_! q! (sJ[ 8 hMG VF. POLPGR &&\_4 TFP! 5q\_! qZ\_! (f VgJ1[ HFCZ DFICTL VIWSFZL VG[ VFSZ6L VG[J; ], FT VIWSFZL ZL4 5IÜD hMG sZFNZf äFZF VZHNFZG[ 5+ GR J[ 8 hMGqVFZP8LPVF. P; [ q! \_\*\*4 TFPZ#q\_! qZ\_! (TYF HFCZ DFICTL VIWSFZL V[G[ 5; MG[ VMIO; Z4 5IÜD hMG sZFNZf äFZF VZHNFZG[ 5+ GR J[ 8 hMGqVFZP8LPVF. P; [ q! \_!(4 TFPZ#q\_! qZ\_! (YL VZHNFZ[ GF6F E1FGL IJUT[ TFP \_! q\_ZqZ\_! (GF ZMH ; DI DI FNFDFA DFICTL HJFA 5F9JJFDF VFJ[ CMI TYF V5L, ; GFJ6L JBT[ JW] ZH]VFTGL TS VF5JF KTF VZHNFZ UZCFHZ ZC[ CMI VFD4 JW]SM. ZH]VFT D/[ G CMI 4 V5L, VZHL 5\$Z6[ JW] SF[ SZJFG[ ZC[ GYLP DFICTL G D?I FG[ H6FJL V5L, SZ[ CMI 4 AG[ HFCZ DFICTL VIWSFZL V[ OZLYL INGV\* DF\VR\$ DFICTL 5ZL 5F0JF H6FJJFDF VFJ[ K!

5YD V5L, GF CSD S[ TGL VD, JFZL AFAT[ VZHNFZ GFZFH S[ V; TFP8 CMI TM VFZP 8LP VF. P V\$8GF SFI NFGL S, D ! ) s#f C9/ UHZFT DFICTL VF1 MU4 ccSD1 MUL E JGcc4 a, MS GR ! 4 ALHMDF/4 IGDF6 EJGGL 5FK/4 ; \$8Zv! \_vV[ UFVLUZG[ 5YD V5L, GF CSD ING v )\_ DF\GFDNFZ VF1 MUzLG[ ALHL V5L, SZJF VUGL HMUJF. K!

GP ZJFGF o s! f zl VFhFN DMZLhJFG VaN], ZA4  
sZf HFCZ DFICTL VIWSFZL VG[ 5; MG[ VMIO; ZZL4 J[ 8 hMG4; ZT4 5|T4PPHF6 TYF  
VD, ; F~P  
s#f HFCZ DFICTL VIWSFZL VG[ VFSZ6L J; ], FT VIWSFZL ZL4 J[ 8 hMG4 ; ZT4 5|T4PPP  
HF6 TYF VD, ; F~P



HPVFZP; M, ISL  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; JT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL G~~SMC/WZ/FAP/GP~~ (qZ\_! \*v! ( TFP\_! v\_#vZ\_! (

VZHNFZ ov zL ; JT Zlj1]s; F%TFICSF

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZzL VGP5LPXFC4 sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR &&\$4 TFP ! (q\_! qZ\_! ( GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP

; NEbv VZHNFZGL TFP\_! q\_#q! ( GL SMC/WZ/FAP/) (v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJOFI VG[ ; NE" AFAT[ H6FJJFG] S| VZHNFZGL TFP ! (q\_! qZ\_! ( GL VZHLYL 8LP5LPGR  
#\_ZENZf4 VOP5LP! Z\$ DFV; ZLT; M; FI 8L IJvZ GF; A %, M8 GR ! 4Z4#4\$ JF/L ID, STDFU0fbZ\_! ! H[DHA  
GDGFvK VF5JFDFVFE, s. d5\$8 OF., DFF TYF VFH ID<ST DF, LSG[H(C.O.R. VG[TGF. d5\$8 DHZ YI,  
SKSI], KG; l84 TYF GSXF VUGL DFICIT DFUTL VZHL V+GF hMG BFT[SZJFDFVFE, Kp

; NZ VZHL AFAT[ VZHNFZ aFZF HFCZ DFICTL VIWSFZL aFZF IGIT ; DI DI FNFDVDFICTL 5ZL 5FOJFDF  
VFJ, G CMI IGIDMG; FZ IJGF DkI [DFICTL D/JJF V5L, ; ?VIWSFZLG[V5L, VZHL G~~SMC/WZ/FAP/GP~~ (q  
Z\_! \*v! ( TFP\_! q\_#q! ( YL V5L, SZ, Kp HGF VG; WFGDFV5L, TASS[INGv\* DFDFICTLGL 5JTF SZJF  
, FUT HFCZ DFICTL VIWSFZLG[HF6 SZ, P V5L, GL SFI "JFCL NZdI FG TFPZ&v\_#vZ\_! ( GR[A5M! Zo\_\_ S, FS[  
V5L, VUGL ~A~ ; JFJ6LDA CFHZ ZCJF V+GF 5+ GR J: 8sZENZf hMGqVFZP8LPVF. PqVFP! #&54  
TFPZ#v\_#vZ\_! ( GF 5+YL HF6 SZ, CTIP TYF T[TFZLB VG[; DI [VZHNFZzL TDH HFCZ DFICTL VIWSFZL CFHZ  
ZCIF CTF VG[TDGF51F[DFU, DFICTL VU[ZHMFTM SZ, CTIP HGF VG; WFG[ HFCZ DFICTL VIWSFZL VG[0%]BL  
. HGZzL VGP5LPXFC4 sXCZ IJSF; IJEFUF TZOYL VZHNFZG[VF5JF HMU ZCTL XCZ IJSF; IJEFUGL DFICTL  
V5L, TASS[ TMIGA 5+ SDFS GR J: 8 hMGqVFZP8LPVF. qVFPGR! ##54 TFP! )v\_#vZ\_! ( YL VZHNFZG[  
VFZP8LPVF. P VZHLYL DFU, DFICTL VU[HJFA5+ 5F9JTM5+ 5F9JJFDFVFE, P

VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DFICTL 5ZL 5FOJFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL D/ VZHLGF ING v#\_ DFSM. DFICTL 5ZL 5FOJFDFVFE, GYLP H[VU[  
GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDFVFE, Kp

0\_CSD 0

VZHNFZzL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG, ITAGLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDFVFE, Kp

VZHNFZzL ; JT Zlj1] ; F%TFICSGL TFP Z\_q\_! q! ( GL VZHLYL DFUJFDFVFE, DFICTL VU[  
VFZP8LPVF. P V\$8GL S, Dv# TYF &s! f VITUT DFICTL VF5L XSFI TD GYLP 5ZT; DI DI FNFDVDFICTL VF5[  
G CMI 4 VZHL C9/ DFUJFDFVFE, p5, aW Z\$0"5ZGL DFICTL IJGFkI [5ZL 5FOJF CSD SZJFDFVFE, Kp

VZHNFZZL ; NZ CSDYL GFZH CM! TM UHZFT DFICTL VFI MU4 SD! MUL EJG4 ZFH! S1FGL SRZLVMA, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V! UFVIGUZ BFT[ALHL V5L, SZL XS[KP

sHPVFZP; M, \$LF  
V5! B VFIO; Z VG[  
SFI '5F, S . HGZs5IzD hFGvZNZf  
; ZT DCFGUZ5FI, SPP

5|T4  
s! fzL ; ZT ZLjIjs; F%TICSF4  
sZF HFCZ DFICTL VIWSFZL VG[0%I BL . HGZL VGP5LPXFC4 sJ! 8hMGfsXCZ IJSF; IJEFUFPPPXF6 ; FZP  
s#f; \$XG VMO; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]



HPVFZP; M, ISL  
V[5], [8 VMOL; Z VG[  
SF] "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1 ]ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL G~~SMC/WZ/FAP/GP~~) qZ\_! \*v! ( TFP\_) v\_#vZ\_! (

VZHNFZ ov zl 15\$, 3LJF/F

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ zl VGP5LPXFC4 sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR & ()4 TFP Z) qZ\_! ( GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP

; NEbv VZHNFZGL TFP\_) qZ\_! ( GL SMC/WZ/FAP/) )v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL TFP Z) qZ\_! ( GL VZHL YL 8LP5LPGR  
Z) sZENZF4 VDP5LP## GF ; A %, M8 GR #Z\_ YL #Z5 JF/L ID, ST ; NE"; PDP5FP wJZF SZJFDA\VFJ, %, FG 5F; GL  
VFBL OF. , GL hZMF GS, 4 VG[p5ZMST ID<ST ; NE" U[ZSFN] Z AFWSFD VU[ VFJ, L TDFD OZLI FNGL GS, VG[  
U[ZSFN] Z AFWSFD ; NE" SZJFDA\VFJ, L TDFD SFI "JFCLGL VFZP8LPVF. PV\$8 GL S, D DHA TDFD 5PF6LT GS,  
VU[GL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDA\VFJ, Kp

; NZ VZHL AFAT[ VZHNFZG[ HFCZ DFICTL VIWSFZL aFZF IGIT ; DI DI FNFDFA DFICTL 5ZL  
5F0JFDA\VFJ, G CMI IGIDM]; FZ IJGF DkI[ DFICTL D/JJF V5L, ; qFIWSFZLG[ V5L, VZHL G~~SMC/WZ/FAP/GP~~) qZ\_! \*v! ( TFP\_) qZ\_! ( YL V5L, SZ, Kp HGF VG]; WFGDF\VF5L, TASS[INGV\*  
DFADFICTLGL 5JTF SZJF, FUT HFCZ DFICTL VIWSFZLG[H6 SZ, P V5L, GL SFI "JFCL NZdI FG TFP\_#v\_#vZ\_! ( GA  
A5M[ ! Zo\_\_ S, FS[ V5L, VU[GL ~A~ ; GFJ6LDA CFHZ ZCJF V+GF 5+ GR J: 8sZENZF  
hMGqVFZP8LPVF. PqVFP! #\*54 TFPZ&v\_#vZ\_! ( GF 5+YL HF6 SZ, CTIP TYF T[ TFZLB VG[ ; DI [ VZHNFZL  
TDH HFCZ DFICTL VIWSFZL CFHZ ZCIF CTA VG[ ~A~ ZHMT SZ, Kp VFZP8LPVF. V\$8GL S, D \*s! f C9/  
VZHNFZG[ING v#\_ DFADFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ TZ0YL D/ VZHLGF ING v#\_ DFADFICTL 5ZL 5F0JFDA\VFJ, GYIP H[VU[GLR[D]HAGM CSD SZL V5L, GMIGSF, SZJFDA\VFJ[Kp

o CSD o

VZHNFZLGL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[, TFAGLR[D]HAGM CSD SZL V5L, GMIGSF, SZJFDA\VFJ[Kp

VZHNFZL GL TFPZ) qZ\_! q! ( GL VZHL YL DFUJFDA\VFJ, DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f C9/ IJGF DkI[ INGV\_\* DFV+GF p5, aW Z\$0" DHA DFICTL VZHNFZLGL 5ZL 5F0JF TDPH  
VFZP8LPVF. P C9/ VFJTL DFICTL q5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JF 5tI JTZ 5F9JJF VU[  
SF/HL ZFBJF, FUT HFCZ DFICTL VIWSFZL VG[0%I]BL . HGZ zl4 J: 8 hMGG[TFSLN SZJFDA\VFJ[Kp

VZHNFZZL ; NZ CSDYL GFZH CM! TM UHZFT DFICTL VFI MU4 SD! MUL EJG4 ZFH! S1FGL SRZLVMA, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V! UFVIGUZ BFT[ALHL V5L, SZL XS[KP

SHPVFZP; M, SLF  
GRJ[ 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P  
SF1 5F, S . HGZs5IzD hFGvZNZf  
; ZT DCFGUZ5F1, SF

5|T4  
s! fzL I5\$, 50k, R§ 3LJF/H4  
sZf HFCZ DFICTL VIWSZL VG[0%I BL . HGZzL VGP5LPXFC4 sJ[ 8hMGfsXCZ IJSF; IJEFUFPPPHF6 ; FZ  
s#f; SXG VMO; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]



HPVFZP; M, ISL  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP!** \_\_qZ\_! \*v! ( TFP! #v\_#vZ\_! (

VZHNFZ ov zL GCF HI NL5 XFC

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%]BL . HGZL HLPVDPOMUF sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR & (\$4 TFP Z5q\_! qZ\_! ( GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP

; NEbv VZHNFZGL TFP! #q\_#q! ( GL **SMC/WZ/FAP/!** \_\_v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJIFI VG[ ; NE" AFAT[H6FJFG]S[ VZHNFZGL TFP Z5q\_! qZ\_! ( GL VZHL YL 5#4 ; LTFZFD  
GUZ ; M; FI 8L4 CGL 5FS"ZM04 ; J[G! Z# V0FH64 RMI F, l4 ; ]T GL ID<STDASZ[ AFWSFD HLPOLP; LPVFZP Z\_! \* GF  
S, Fh GR (P\$P\* sVf DFH6fj| F DHA DHZLG[5F+ Kf TM3Z GR 5# GF DF, S 5ZX N[ F. V[DHZL , LW[ K[S]SDm  
H[JF D]F GR ! YL # VU[GL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDF\VFJ[ Kp

; NZ VZHL AFAT[ VZHNFZG[ HFCZ DFICTL VIWSFZL aFZF IGIT ; DI D1 FNFDA DFICTL 5ZL 5FOJFDA  
VFJ[ G CMI 4 VZHNFZ[ V5L, ; jFIWSFZLG[ V5L, VZHLDF D/ VF. POLP IAOF6 SZL V5L, VZHL G[  
**SMC/WZ/FAP/GP!** \_\_q Z\_! \*v! ( TFP! #q\_#qZ\_! ( YL V5L, SZ[ Kp HGF VG[ WFGDA V5L, TASS[  
INGv\* DF DFICTLGL 5JTF SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SFI "JFCL NZdI FG  
TFP\_#v\_#vZ\_! ( GR A5M[ ! Zo\_\_ S, FS[ V5L, VU[GL ~A~ ; JFJ6LDFCFHZ ZCJF V+GR 5+ GR J: 8sZENZF  
hMGq VFZP8LPVF. qVFP! #\*&4 TFPZ&v\_#vZ\_! ( GF 5+YL HF6 SZ[ CTLP TYF T] TFZLB VG[ ; DI VZHNFZL  
TDH HFCZ DFICTL VIWSFZL CFHZ ZCJF CTF VG[ TDGA 51F[ DFU[ DFICTL VU[ZHMFTMSZ[ CTLP HGF VG[ WFG[  
HFCZ DFICTL VIWSFZL VG[0%]BL . HGZL HLPVDPOMUF sXCZ IJSF; IJEFUF TZOYL VZHNFZG[ VF5JF HMU ZCJL  
XCZ IJSF; IJEFUGL DFICTL V5L, GL TFP! #q\_#qZ\_! ( GF ! ING 5C[ F TMIGA 5+ SDF[ GR J: 8 hMGq  
VFZP8LPVF. qVFPGR! Z5\*4 TFP! Zv\_#vZ\_! ( YL VZHNFZG[ VFZP8LPVF. P VZHL YL DFU[ DFICTL VU[HJFAL5+  
5F9JTM5+ 5F9JJFDF\VFJ[ P

VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5FOJFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZL TZOYL D/ VZHLGF ING v#\_ DF SM. DFICTL 5ZL 5FOJFDA VFJ[ G CTLP VG[  
; DI D1 FNF AFN TFP ! Zq\_#qZ\_! ( GF ZMDFICTL 5ZL 5FOJFDA VFJ[ Kp H[ VU[GLR[DHAGMCSD SZL V5L, GM  
IGSF, SZJFDF\VFJ[ Kp

o CSD o

VZHNFZLGL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[, ITAGLR[DHAGMCSD SZL V5L, GM  
IGSF, SZJFDF\VFJ[ Kp

VZHNFZL GL TFPZ5q\_! q! ( GL VZHL YL DFUJFDA VFJ[ DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f C9/ IJGF DkI[ INGv\_\* DF V+GF p5, aW Z\$0" DHA DFICTL VZHNFZLIG[ 5ZL 5FOJF TDH

VFZP8LPVF. P CP/ VFJTL DFICTL q 5ZFJF DFUTL VZHL VU[; DI DI FNFDADFICTL 5ZL 5F0JFq 5tI Tz 5F9JJF VU[  
SF/HL ZFBJF , FUT HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ ZI4 J[8 hMGG[TFSLN SZJFDA VFJ[KP

VZHNFZZL ; NZ CSDYL GFZH CMII TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHI S1FGL SRZLVM a, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; S8Z GV! \_v V# UWLGUZ BFT[ALHL V5L, SZL XS[KP

sHPVFZP; M, \$LF  
V5[ 8 VFIO; Z VG[  
SFI '5F, S . HGZs5lzd hFGvZNZf  
; ZT DCFGUZ5FI, SFP

5IT4

s! fzL GCF HI NL5 XFC4  
sZf HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ ZL HLPVDPOMUF sJ[8hMGfsXCZ IJSF; IJEFUfPPPHF6 ; FZP  
s#f; SXG VMO; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]



HPVFZP; M, ISL  
V[5], [8 VMOL; Z VG[  
SF]5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1]ZENZ ZM04; JT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP!** \_! qZ\_! \*v! ( TFP! 5v\_#vZ\_! (

VZHNFZ ov zl ; HI EF. ZFDHLEF. AM3ZF

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%]8L . HGZL VGP5LPXFCsXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR \*Z#4 TFP\_(q\_Z\_! ( GL VZHL YL VFZP8LPVF. P C9/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP

; NEbv VZHNFZGL TFP! 5q\_#q! ( GL **SMC/WZ/FAP/!** \_! v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJIFI VG[; NE"AFAT[ H6FJJFG]S| VZHNFZGL TFP\_(q\_Z\_! ( GL VZHL YL 5F, 65MZF  
ZP; PGR5Z4a, MS GR ((q! YL GMWFI, l ! CS8Zv! \$ VFZv#Z RMPDIP FG[ ! ! \$#Z RMPDIP JF/L HDLG AFAT TFP  
Z\_q\_(q\_Z\_! & GL VZHLGF VG]; WFGDA VZHL TFZLBYL VFHNIG ; JLDFYI, OZOFZMGL DFICTL D/JJ4 TYF HDLG  
5Z YI, AFWSFDM SZJF VF5, 5ZJFGULGL GS, 4 ALPI P; IPGL GS, HJF DNf GR ! YL ! # VUGL DFICTL DRUTL  
VZHL V+GF hMG BFT[SZJFDA VFJ, Kp

; NZ VZHL AFAT[ VZHNFZG, FUT HFCZ DFICTL VIWSFZL aFZF 5F6L IJEFUGL DFICTL GR J: 8  
hMGqVFZP8LPVF. P; , Pq! ! \*Z4 TFPZq\_Z\_! ( YL TYF S, ZLS, IJEFUGF DCSD BFTGL DFICTL V5L, TASS  
VFZP8LPVF. P VFp8 GR ! Z#\_4 TFP\_\*q\_#qZ\_! ( YL TYF VFSZ6L IJEFUGL DFICTL VFZP8LPVF. P; , P J: 8  
hMGqGR! Z#\*4 TFP\_(q\_#qZ\_! ( YL sGDGMcBc ~FP Z! ! \_qV EZJF AFATGM5+f5f9JJFDA VFJ, Kp JWDFN0%I BL  
. HGZL VGP5LPXFC SFZ, FUT VgI XCZL IJSF; IJEFUGF D;FVNGMIGIT; DI DI FNFDFA DFICTL 5ZL 5F0JFDA  
VFJ, G CMI IGIDMGI FZ IJGF DkI DFICTL D/JJF V5L, ; ZFWSZLG V5L, VZHL Gb  
SMC/WZ/FAP/GR! \_! q Z\_! \*v! ( TFP! 5q\_#qZ\_! ( YL V5L, SZ, Kp HGF VG]; WFGDA V5L, TASS  
INGv\* DFICTLGL 5JTF SZJF, FUT HFCZ DFICTL VIWSZLG HF6 SZ, P V5L, GL SFI "JFCL NZdI FG  
TFP\_v\_Z\_! ( GR A5M[ ! Zo\_\_ S, FS V5L, VUGL ~A~ ; JFJ6LDFCFHZ ZCJF V+GR 5+ GR J: 8sZENZF  
hMGqVFZP8LPVF. PqVFP! #\*\*4 TFPZ&v\_#vZ\_! ( GF 5+YL HF6 SZ, CTLP TYF T[ TFZLB VG; DI VZHNFZL  
TDH HFCZ DFICTL VIWSFZL CFHZ ZCJF CTF VGT[DGR51FDFU, DFICTL VU[ZHMFTMSZ, CTLP

VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNFZG[ING v#\_ DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%]8L . HGZ TZ0YL D/JVZHLGF ING v#\_ DFICTL 5ZL 5F0JFDA VFJ, GYLP H[VU  
GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA VFJ, Kp

o CSD o

VZHNFZL GL TFP\_(q\_Z\_! ( GL VZHL YL DFUJFDA VFJ, DFICTL VU VFZP8LPVF. P V\$8GL S, Dv\*s&f  
C9/ IJGF DkI INGV\_\* DFV+GF p5, aW Z\$0"DHA DFICTL VZHNFZL 5ZL 5F0JF TDH VFZP8LPVF. P C9/

VFJTL DFICTL q 5ZEF DFUTL VZHL VU[ ; DI DI FNEDF DFICTL 5ZL 5FOJq 5TITZ 5F9JJF VU[ SF/HL ZFBJF  
TDFD HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ zl4 Jf8 hMGG[TFSLN SZJFDF VFJ[KP

VZHNFZZL ; NZ CSDYL GFZH CM[ TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHIS1FGL SRZLVM a, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; S8Z GV! \_v Vf UWLGUZ BFT[ALHL V5L, SZL XS[KP

GRJf8 hMGqVFZP8LPVF. PqGR  
TFZLB0v v vZ\_! (P

sHPVFZP; M, \$LF  
V5f B VFIO; Z VG[  
SFI '5F, S. HGZs5IzD hFGvZNZf  
; ZT DCFGUZ5FI, SFP

5IT4  
s! fzL ; HI EF. ZFDHLEF. AM3ZF4  
sZf HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ zl VGP5LPXFCsJf8hMGfsXCZ IJSF; IJEFUFFFFH6 ; FZP  
s#f; SXG VMO; Z sVFZP8LPVF. ; f5ITPPPPP HF6 ; FZ}



V5L, VIWSFZL VG[VF; LP SIDxGZ  
J[8 sZFNZf hMG4  
OFPAF/F ; FC[A N[JZ; ZM04  
ZFNZ ZM04  
; ZT DCFGUZ5FI, SF4; ZTP

OMG GAZ o \_Z&! vZ\*(&! (! v(Zv(#  
J[8 hMG VM0; 4; ZT DCFGUZ5FI, SF4; ZTP

5YDV5L, o**SMC/WZ/FAP/NO.! \_Z/2017-18**

TFZLB o! \*q\_#qZ\_! (

VZHNFZ ov zl ICDT, F, ALP, LAF; LI F  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[5; MG, VM0; Zzl4  
OZLI FNGL CSLST ov

IJQFI ov ZF. 8 8] . gOMD[XG V\$8 Z\_\_5 CP/GL zl ICDT, F, ALP, LAF; LI FGL  
TFP\_5v\_ZvZ\_! (GL D/V VZHLDH6FJF DHA TFP! Zq\_! qZ\_! \* GL VZHL  
DP SIDxGZZLG[ ; FNZ SZJF ; F~ SZ[ TFP! Zq\_! qZ\_! \*GM ZL5M8" VU[ YI[  
SFI "JFCLGL IJUT TYF ZL5M8"cc5M5Z RG, cc DMS, JF ; FZGF C[TYL SZ[ ZL5M8" DP  
SIDxGZZLDF[ ; FNZ SZJFDF[ VFJ[ CMI T[ SRZL Vfp8J0" GAZ TYF TFZLBGL  
IJUT H[JL DFICTL VF5JF AFATP  
; NE" ov VZHNFZGL 5IUD hMG VF. POLPGP \* )4 TFP 5v\_ZvZ\_! ( TDH V+GL  
TFP! \*q\_#q! (GL 5YD V5L, VZHL GR **SMC/WZ/FAP/! \_Z/17-18**

p5ZMST IJQFI [ VFP8LPVF. P V\$8 CP/ VZHL SZGFZ VZHNFZ zl ICDT, F, ALP, LAF; LI F  
VFP8LPVF p5ZMST IJQFI VG} WFGDF[ VFP8LPVF. P V\$8 CP/ YL DFUJFDF[ VFJ[ DFICTL  
DHA TFP! Zq\_! qZ\_! \* GL VZHL DP SIDxGZZLG[ ; FNZ SZJF ; F~ SZ[ TFP! Zq\_! qZ\_! \*GM ZL5M8" VU[  
YI[ SFI "JFCLGL IJUT TYF ZL5M8"cc5M5Z RG, cc DMS, JF ; FZGF C[TYL SZ[ ZL5M8" DP SIDxGZZLDF[ ; FNZ  
SZJFDF[ VFJ[ CMI T[ SRZL Vfp8J0" GAZ TYF TFZLBGL IJUT H[JL DFICTL VF5JF AFAT[ VZHL SZ[ P HGF  
5M5Z VgJ[ HFCZ DFICTL VIWSFZL VG[ 5; MG, VM0; Zzl4 J[8 hMG \$FZF GRJ[ 8  
hMG VFP8LPVF. P; q! ! ) &4 TFPZ\*q\_#qZ\_! ( YL DFICTLqHJFA 5F9JJFDF[ VFJ[ 4 H[ IG6" YL GFZFH  
CMJFGH6FJL4 VZHNFZ[ TFP! \*q\_#qZ\_! ( GF ZMH 5YD V5L, VZHL V+GF V5L, VIWSFZL VG[VF; LP  
dI GPSIDxGZZL4 J[8 sZFNZf hMG4 ; ZT DCFGUZ5FI, SF4 ; ZTGL SRZL SZ[ P H[ 5YD V5L, VZHL  
TFP! \*q\_#qZ\_! (4 **SMC / WZ / FAP / NO. ! \_Z/2017-18** YL GMWFI[ CTLP

tI EZAFN pST V5L, VZHL AFAT[ VZHNFZ zl ICDT, F, ALP, LAF; LI F TDH , FUT HFCZ DFICTL  
VIWSFZL VG[5; MG, VM0; Zzl4 SJ[8 hMGf V5L, VIWSFZL VG[VF; LP SIDxGZ SJ[8 hMGf ; ZTGL SRZL  
; D1F TFP\_&v\_#vZ\_! ( GF ZMH A5M[! Z o \_\_ S, FS[ V5L, VUGL ~A~ ; GFJ6LDF[ JWMFT DF8[  
CFHZ ZCJF V+GF 5+ GR JF hMG sZFNZf q VFP8LPVF. q VFP! #(\_4 TFPZ&v\_#vZ\_! ( YL H6FJJFDF[  
VFJ[ P pST H6FJ[ TFZLB VG[ ; DI[ VZHNFZ zl TDH , FUT HFCZ DFICTL VIWSFZL VG[5; MG,  
VM0; Zzl4 TFP\_&v\_#vZ\_! ( GF ZMH ~A~ ; GFJ6L NZdI FG CFHZ ZC[ CT[ VG[TDGM 51F TYF IJUTM  
VU[GLR[DHA ZH]VFTMSZ[ CTLP

VZHNZGL V5L, VUGL ZHMFDTA TFP \_5q\_Z! ( sVF. POLPGR \*\_) f GF D;FDA TFP ! Zq\_! qZ\_! \*GMZL5M8" ; FYGL SIDxGZzLG[; FNZ VZHL SIDxGZzLDF\; FNZ SZJFGL SFI "JFCL SZJFGL CTL H[DMS, JFGL SFI "JFCL YI [ GYL TYF TFP ! Zq\_! qZ\_! \*GF ZL5M8"SIDxGZzLDF\; FNZ YI [ GF GAZ ; FYGMZL5M8" D/[ GYL HYL GDGFcSc DFA H6FJ[ F D]HAGL BZL DFICTL VF5JF ZHMFZ SZ[ P H[ VgJ1[ HFCZ DFICTL VIWSFZL VG[ 5; MG[ VMIO; ZZL TZ0[ VZHNZGL ZHMFZ VgJ1[ VF. POLPGR\*\_) GF VG]; WFG[ H~ZL IJUTJFZ DFICTL VF5JFDF\VFJX[T]D H6FJ[ P

## CSD

VZHNZGL DY VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , ITA 5YD V5L, VZHL GR **SMC/WZ/FAP/! \_Z/2017-184** TFO! \*q\_#qZ\_! ( VgJ1[ GLR[ D]HAGM CSD SZL V5L, GM IGSF, SZJFDF\VFJ[KP

VFP8LPVF. PV\$8vZ\_\_5 C9/GL DFICTL DFUTL VZHNZGL J[8 hMG VF. POLPGR \*\_) 4 TFP\_5q\_Z! ( VgJ1[ HFCZ DFICTL VIWSFZL VG[5; MG[ VMIO; Z4 5IÜD hMG sZFNZf aZFZ VZHNZG[ 5+ GR J[8 hMGqVFP8LPVF. P; [ q! ! ) &4 TFPZ\*q\_Z! ( DFICTLqHJFA 5F9JJFDF\VFJ[ 4 H[ VgJ1[ ; GFJ6LDF\HFCZ DFICTL VIWSFZL VG[5; MG[ VMIO; ZZL V[ H6FJ[ IJUT[ ZH] SZ[ p5, aW Z\$0" HMTF\ VZHNZGL TFP ! Zq\_! qZ\_! \* GL VZHL4 VZHNZG\TFP \_ (q\_Z! \*GR 5IÜD hMG . GJ0"GR ! Z\*\*\$ 5+ ; FY[ ALOF6 ~5[D/[ TYF ; FY[ ; FD[ VZHNZGM DFPSIDxGZzLG[ , B[ TFP ! Zq\_! qZ\_! \*GM 5+ H[ 5IÜD hMG Vfp8J0"GR Z\*Z4 TFP \_ \$q\_Z! \* YL DFP SIDxGZzLG[DMS, [ GL GS, VG]; WFG[BFTFGMIZ5M8" DFP SIDxGZzLG[5IÜD hMGqVFPGR#/#\_4 TFP Z\$q\_Z! \* YL ZJFGF SZ[ HGL DFICTL VF5JFDF\VFJ[ P ; GFJ6L NZdI FG VZHNZGL pST ZHMFZ wI FG[ , ITATMGM TFP ! Zq\_! qZ\_! \* GFZL5M8"; FY[ ; FD[ DFP SIDxGZzLG[ , B[ TFP ! Zq\_! qZ\_! \* GM 5+ 5M5Z RG, DMS, JF AFATGL DY VF. POLP VZHLYL DFU[ DFICTL VF5[ GYL ; NZ IZ5M8V; FD[ 5+ AFATGL DFICTL T5F; SZL p5, aW Z\$0DFICTLV[ D; F; Z IJUTJFZGL DFICTL TYF TGF\VFWFZ 5ZJFGF\OMSI D; 8 TYF TFP Z\*q\_Z! ( YL VF5[ DFICTLG[ , FUT OMSI D; 8; IJGFDK[ INGV\* s; FTf DFA VR\\$ 5ZL 5F0JF HFCZ DFICTL VIWSFZL VG[5; MG[ VMIO; ZZLG[ H6FJJFDF\VFJ[KP

5YD V5L, GF CSD S[ TGL VD, JFZL AFAT[ VZHNZ GFZFH S[V; T]P8 CMI TM VFP8LP VF. P V\$8GF SFI NFGL S, D ! ) s#f C9/ UHZFT DFICTL VFIMU4 cSD\ MUL EJGcc4 a, MS GR ! 4 ALHMDF/4 IGDF6 EJGGL 5FK/4 ; \$8Zv! \_vV[ UFWLGUZG[5YD V5L, GF CSD ING v )\_ DFGFDNZ VFIMUZLG[ALHL V5L, SZJF VUGL HMUJF. KP

GRJ[8sZFNZf hMGqVFP8LPVF. PqVFP  
TFZLBov v\_\$vZ\_! (P

s VPPDZFH f  
V5L, VIWSFZL VG[VF; LP SIDxGZ  
J[8 sZFNZf hMG4  
; ZT DCFGUZ5FI, SFP

GP ZJFGF o s! f zL ICDT, F, ALP, LAF; LIF4

sZf HFCZ DFICTL VIWSFZL VG[5; MG[ VMIO; ZZL4 J[8 hMG4; ZT4 5|T4PHF6 TYF  
VR\\$ ; D1 D1 FNFDF\VD, ; F~P  
s#fVFP8LPVF. P; [ P 5IÜD hMG HF6 ; F-



HPVFZP; M, ISL  
V[5], [8 VMOL; Z VG[  
SF1 "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; JT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP!** \_#qZ\_! \*v! ( TFP! ) v\_#vZ\_! (

VZHNZ ov zL HMUg§ VFINGFY SFA/[

; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[0%]BL . HGZzL HLPV[DPOMF sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNZGL DV VF. POLPGR Z5#\$4 TFP ! ) q\_ZqZ\_! ( SJ: 8 hMG VF. POLPGR \*5\*4 TFP

Z! q\_ZqZ\_! ( f GL VZHL YL VFZP8LPVF. P C9/ HFCZ DFICTL VIWSFZL wJZF SZJF HMU

SF1 "JFCL AFATP

; NEbv VZHNZGL TFP! ) q\_#q! ( GL **SMC/WZ/FAP/**! \_#v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJIFI VG[; NE" AFAT[ H6FJJFG]S[ VZHNZGL TFP Z! q\_ZqZ\_! ( GL VZHL YL JOF"Z\_! # YL  
VFHNLG ; JL ; JT DCFGUZ5FI, SF wJZF VF5zLGF hMGGF CN IJ:TFZDFH8, F TDFF 5\$FZGF cc5[Vj0 5FScc ; RF, G  
SZJFGM SM8FS8 VYJF . HFZM VF5JFDA VFJ[ CMI TDGF ; RF, SG]GFD4 ; ZGFDW ; 5S"GAZ ; FYGL ; 56"DFICTL  
; IJ:TFZ VG[ IJUTJFZ ; 8LOF. 0 GS, HjF D]F GR ! VG[Z VUGL DFICTL DRUTL VZHL ; j8= hMG BFT[ TFP  
! ) q\_ZqZ\_! ( SZJFDA VFJ[ H[TANL, Y. TFP Z! q\_ZqZ\_! ( GF ZMH D/[ Kp

; NZ VZHL AFAT[ VZHNZG[ HFCZ DFICTL VIWSFZL aZFZ IGI T ; DI DI FNFDFA Z:TF IJEFUG[ , FUT  
DFICTL 5ZL 5F0JFDA VFJ[ H[ ; FD[ JFWM CMI 4 VZHNZ ; j8= hMG BFT[ TFP ! &q\_#qZ\_! ( GF ZMH V5L,  
; ZF1WSFZLG[ V5L, VZHL SZ[ H[V+GF hMG BFT[TANL, Y. TFP ! ) q\_#qZ\_! ( GF ZMH D/[ H[ V5L, VZHL Gb  
SMC/WZ/FAP/GR! \_#q Z\_! \*v! ( TFP! ) q\_#qZ\_! ( YL V5L, GMW6L SZ[ Kp HGF VG]; WFGDF V5L,  
TASS[ INGV\* DF DFICTLGL 5TTF SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SF1 "JFCL NZdI FG  
TFP\_&v\_#vZ\_! ( GF ; FH[ \_\$o\_\_ S, FS[ V5L, VUGL ~A~ ; GFJ6LDFCFHZ ZCJF V+GF 5+ GR J: 8sZENZF  
hMGqVFZP8LPVF. PqVFP! \$\_! 4 TFPZ(v\_#vZ\_! ( GF 5+YL HF6 SZ[ CTIP TYF T[ TFZLB VG[ ; DI[ VZHNZGL  
CFHZ ZC[FG CTIP TYF HFCZ DFICTL VIWSFZL VG[0%]BL . HGZzL HLPV[DPOMF CFHZ ZC[ Kp VZHNZG[ VF5JF  
HMU ZC[TL DFICTL HFCZ DFICTL VIWSFZLG[ 5+ SDFS GR J: 8 hMGqVFZP8LPVF. qVFPGR! ! ) (4 TFP\_! v\_#vZ\_! ( YL VZHNZG[ VFZP8LPVF. P VZHL YL DFUJ[ DFICTL VU[HJFAL5+ 5F9JJFDA VFJ[ Kp

VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNZG[ING v#\_ DF DFICTL 5ZL 5F0JGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL DV VZHLGF ING v#\_ DF DFICTL 5ZL 5F0JFDA VFJ[ Kp H[DHA  
VZHNZ 5MT[ NOTZL RSF; 6L DF8[ 56 CFHZ ZC[ G CMI P H[VU[GLR[D]HAGM CSD SZL V5L, GMIGSF, SZJFDA  
VFJ[ Kp

### o CSD o

VZHNZGL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , ITF GLR[D]HAGM CSD SZL V5L, GMIGSF,  
SZJFDA VFJ[ Kp

VZHNZGL GL TFPZ! q\_Zq! ( GL VZHL YL DFUJFDA VFJ[ DFICTL p5, aW Z\$0"D]HA VZHNZLG[ 5ZL  
5F0JFDA VFJ[ Kp p5ZFT VZHNZ V5L, TASS[ V5L, ; GFJ6L NZdI FG UZCFHZ CMI 4 TD6[ JW] SM. ZH]VFT  
SZJFGL ZC[TL G CMI 4 TD6[ JW] SM. ZH]VFTSZJFGL ZC[TL G CMI 4 HFCZ DFICTL VIWSFZLG[ TFP \_! q\_#qZ\_! ( GM

5|T1|Z|I|M|H6F|V|D|C|M|H|M|V|5|L|V|U|J|W|S|M|S|F|J|F|C|L|S|Z|J|F|G|L|Z|C|T|L|G|C|M|4|V|5|L|V|Z|H|L|N|O|T|Z|S|Z|J|F|D|A|V|F|J|K|P|V|F|Z|P|8|L|P|V|F|.P|C|P|/V|F|J|T|L|D|F|I|C|T|L|q|5|Z|F|J|F|D|F|U|T|L|V|Z|H|L|V|U|;D|I|D|I|F|N|F|D|A|D|F|I|C|T|L|5|Z|L|5|F|O|J|F|q|5|T|I|T|Z|5|F|9|J|F|V|U|S|F|/H|L|Z|F|B|J|F|,F|U|T|H|F|C|Z|D|F|I|C|T|L|V|I|W|S|F|Z|L|V|G|O|N|I|B|L|.H|G|Z|Z|L|4|J|F|8|h|M|G|G|T|F|S|L|N|S|Z|J|F|D|A|V|F|J|K|P|V|Z|H|N|F|Z|Z|L|;N|Z|C|S|D|Y|L|G|Z|F|H|C|M|T|M|U|H|Z|F|T|D|F|I|C|T|L|V|F|I|M|U|4|S|D|I|M|U|L|E|J|G|4|Z|F|H|I|S|I|F|G|L|S|R|Z|L|V|M|a|M|G|R|v|!4|A|L|H|M|D|F|/I|G|D|F|6|E|J|G|5|F|K|/4|;S|8|Z|G|V|!\_v|V|F|U|F|W|G|U|Z|B|F|T|A|L|H|L|V|5|L|S|Z|L|X|S|K|P

sH|P|V|F|Z|P|;M|,|S|L|f

V|5|\_|B|V|F|I|O|;Z|V|G|

S|F|I|5|F|,S|.H|G|Z|s|5|I|z|D|h|F|G|v|Z|F|N|Z|f

;|Z|T|D|C|F|G|U|Z|5|F|I|,S|F|P|

5|T4

s|!|f|z|L|H|M|U|b|S|V|F|I|N|G|F|Y|S|F|A|/|I|

S|Z|F|H|F|C|Z|D|F|I|C|T|L|V|I|W|S|F|Z|L|V|G|O|N|I|B|L|.H|G|Z|Z|L|H|I|P|V|D|P|O|M|F|s|J|F|8|h|M|G|F|P|P|P|P|H|F|6|;F|Z|P|

S#F;S|X|G|V|M|O|;Z|S|V|F|Z|P|8|L|P|V|F|;|F|5|T|P|P|P|P|P|P|P|H|F|6|;F|Z|}



HPVFZP; M, ISL  
V[5], 8 VMOL; Z VG[  
SFI '5F, S . HGZ



; ]ZT DCFGUZ5FI, SF  
5IÜD hMG sZFNZf  
OFPAF, F; FC[A NÜZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_\_\_ P  
OMGo\_Z&! vZ\*( &! (! v(Zv( #

V5L, VZHL GP **SMC/WZ/FAP/GP!** \_5qZ\_! \*v! ( TFPZ#v\_#vZ\_! (

VZHNFZ ov zl ZDX SP HFULO

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[ 0%I ]8L . HGZzL AlPV|RPHFO|HF sXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZGL D/ VF. POLPGR Z#\$) 4 TFP #\_q\_! qZ\_! ( SJ: 8hMG VF. POLPGR &) &4 TFP  
#! q\_! qZ\_! ( f GL VZHL YL VFZP8LPVF. P CP/ HFCZ DFICTL VIWSFZL wJFZ SZJF HMU

SFI "JFCL AFATP

; NEbv VZHNFZGL TFPZ#q\_#q! ( GL **SMC/WZ/FAP/!** \_5v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG} S[ VZHNFZGL TFP #! q\_! qZ\_! ( GL VZHL YL  
8LP5LPGR! \$s5F, f4 OFP %, M8 GR ! #\$ 5\$L ; A %, M8 GR V[ DAIID<STNFZG[WPAIP5LPV|DP; IPV\$8 ! ) \$) VgJ | [TFP  
\_5q\_! qZ\_! ( YL 5F0J[, SFZ6NXS GMBLX TYF tI FZAFN OLDM, XG 5C[, F 5F9J[, Vb8E GMBLXGL GS, VG[JCLJ8L  
RFH"58[J; ], SZ[, ~FP 5\_4 \_\_\_\_qv ; FD[VF5[, Z; LNGL GS, VF5JF AFAT H[JF D; F GR ! VG[Z VUGL DFICTL  
DFUTL VZHL V+GF hMG BFT[SZJFDVVFJ[, Kp

; NZ VZHL AFAT[ VZHNFZG[ HFCZ DFICTL VIWSFZL aFZF IGIT ; DI DIFNFDA DFICTL 5ZL 5F0JFDA  
VFJ[, GYL4 5ZT] TFP ! \$q\_#qZ\_! ( GF ZMH GRJ[ 8 hMGqVFZP8LPVF. P; [ q! Z(\$ YL 5tI ]Z 5F9J[, Kp H[5tI ]ZYI  
GFZFH Y. VZHNFZ[ V5L, ; JIWSFZLG[ V5L, VZHL Gb **SMC/WZ/FAP/GR!** \_5qZ\_! \*v! ( TFP  
Z#q\_#qZ\_! ( YL V5L, SZ[, Kp HGF VG} WFGDA V5L, TASSI INGV\* DFDFICTLGL 5TTF SZJF , FUT HFCZ  
DFICTL VIWSFZLG[ HF6 SZ[, P V5L, GL SFI "JFCL NZdI FG TFP\_&v\_ \$vZ\_! ( GA; FH[\_\$o\_\_ S, FS[ V5L, VUGL  
~A~ ; GEJ6LDACFHZ ZCJF V+GF 5+ GR J[ 8sZFNZf hMGqVFZP8LPVF. PqVFP! \$\_\_4 TFP(v\_#vZ\_! ( GF 5+YL  
HF6 SZ[, CTLP TYF T[ TFZLB VG[ ; DI[ VZHNFZzL T|DH HFCZ DFICTL VIWSFZL CFHZ ZC1F CTF VG[ T|DGA 51F[  
DFU[, DFICTL VU[ZHMFTM SZ[, CTLP VZHNFZ[ ZHMFT SZ[, S[ GDGFvcSc DFDFU[, DFICTL U[ZSFI N[ Z AFWSFD  
; FD[VF5GF IJEFU[SZ[, SFI "JFCLGL Kp VG[ VFJL DFICTL VF5GF VU[ZFH[ DFICTL SIDxGZZLV[ 56 VUFp CSD  
SZ[, Kp HGL GS, TMIV[ V5L, VZHL ; FY[IA0F6 SZ[, Kp p5ZFT HFCZ DFICTL VIWSFZL SFZF +FICTL 51FSZGL  
DFICTL CMI H|DGL ; DIT CMI TMH ; NZ DFICTL VF5L XSFI 4 H[AFAT[ +FICT 51FSZG[ TFP ! \$q\_#qZ\_! ( GF ZMH  
VFP GR ! Z(# YL HF6 SZ[, 4 HGF VG}; WFG[ +FICT 51FSFZ SFZF TFP Z\_q\_#qZ\_! ( GF ZMH . P GR #Z! YL 5MTFGL  
ID<STGL DFICTL SM. 56 jI ISTG[ VF5JL GCI4 T|D H6FJ[, Kp VFD4 S, Dv! ! CP/ SFI "JFCL AFN DFICTL VF5L  
XSFI T|D CMI 4 H[ VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDVVFJ[Kp

0 CSD 0

VZHNFZLGL D/ VZHL4 V5L, VZHL T|DH p5, aW CSLST wI FG[ , T|A|LR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDVVFJ[Kp

VZHNFFZL ZDX SP HFULOGI TFP#! q\_! qZ\_! (GL VZHLYL DFUJFDFVFE, DFICTL +FICT JI ISTG[AEN G  
VFJ[TDH +FICT JI ISTGL BFGUL DFICTL I; JFI GL VF5JF HMU Z\$0"5Z p5, aW DFICTL 5ZL 5F0JF HFCZ DFICTL  
VIWSFZL VG[0%I BL . HGZ4 ZFNZhMGG[H6FJJFDFVFE[KP

VZHNFFZL ; NZ CSDYL GFZFH CM TM UHZFT DFICTL VF1 MU4 SD1 MUL EJG4 ZFH1 S1FGL SRZLVMa, MS  
GRv! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V# UWLGUZ BFT[ALHL V5L, SZL XS[KP

GRJ[ 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P

sHPVFZP; M, \$LF  
V5[ 8 VFIO; Z VG[  
SF1 5F, S . HGZs5IzD hFGvZFNZf  
; ZT DCFGUZ5FI, SF

5|T4  
s! fzl ZDX SP HFUL04  
sZf HFCZ DFICTL VIWSFZL VG[0%I BL . HGZzL ALPV|RPHFOHfsJ[8hMGfsXCZ IJSF; fPPHF6 ; FZ  
s#f; \$XG VM0; Z sVFZP8LPVF. ; [ f5|TPPPPPP HF6 ; FZ]



HPVFZP; M, ISL  
V5[; 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; ]T DCFGUZ5Fl, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ ) P  
OMGo\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP!** \_&qZ\_! \*v! ( TFP! \*v\_ZvZ\_! (

VZHNZ oV ; HI . hCJF

; FDFJF/F oV HFCZ DFICTL VIWSFZL VG[ TDFD 0%I 8L . HGZzL sJ[; 8 hMGf

OZLI FNGL CSLST oV VZHNZGL DV VF. POLPGR Z\$) \*4 TFP ! 5q\_ZqZ\_! ( sJ[; 8 hMG VF. POLPGR \*#4 TFP  
! \*q\_ZqZ\_! ( f GL VZHL YL VFZP8LPVF. P C9/ HFCZ DFICTL VIWSFZL wJZF SZJF HMU  
SFI "JFCL AFATP

; NEbv VZHNZGL TFPZ&q\_#q! ( GL **SMC/WZ/FAP/!** \_&v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNZGL TFP ! \*q\_ZqZ\_! ( GL VZHL YL ; PDP5FP DFATFP  
#\_q\_&qZ\_! \* 5C, F 56"YI[ S5L8, q UF8q SM. 56 ; ZSFZL IMHGF C9/GF SFDMG]HLPV[ P8LP VD, DA Vfj J F AFN  
56 AL, GL OF. G, R\$J6L AFSL CMI VJF SFDMGL DFICTL hMG JF. h 5MH\$8 ; JF. h OMD8DA VYJF TDFD IJUT  
D/L HFI VJL OMD8DA VF5JF VUGL DFICTL DFUTL VZHL ; b8\_ hMG BFT[ TFP ! 5q\_ZqZ\_! ( SZJFDR Vfj H[  
TANL, Y. TFP ! \*q\_ZqZ\_! ( GF ZMH D/[ Kp

; NZ VZHL AFAT[ VZHNZG[ HFCZ DFICTL VIWSFZL aZFZ IGIT ; DI DI FNFDFA , FUT DFICTL 5ZL  
5F0JFDR Vfj, H[ ; FD[JFWM CMI 4 VZHNZ ; b8\_ hMG BFT[ TFP ! 5q\_ZqZ\_! ( GF ZMH V5L, ; ZF1WSFZLG[ V5L,  
VZHL SZ[ H[ V+GF hMG BFT[ TANL, Y. TFP ! \*q\_ZqZ\_! ( GF ZMH D/[ H[ V5L, VZHL Gb  
**SMC/WZ/FAP/GP!** \_&q\_Z\_! \*v! ( TFPZ&q\_#qZ\_! ( YL V5L, GMW6L SZ[ Kp HGF VG[ WFGDFA V5L,  
TASS[ INGV\* DA DFICTLGL 5JTF SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SFI "JFCL NZdI FG  
TFP! #v\_&vZ\_! ( GF A5M[ ! Zo\_\_ S, FS[ V5L, VUGL ~A~ ; GFJ6LDFCFHZ ZCJF V+GF 5+ GR J[; 8sZENZf  
hMGqVFZP8LPVF. qVFP&&4 TFP\_5v\_&vZ\_! ( GF 5+YL HF6 SZ[ CTLP TYF T[ TFZLB VG[ ; DI [VZHNZzL TYF  
HFCZ DFICTL VIWSFZL VG[ 0%I 8L . HGZzL CFHZ ZC[ Kp VZHNZG[ VF5JF HMU ZC[TL DFICTL HFCZ DFICTL  
VIWSFZLG[ f 5+ SDFS GR J[; 8 hMGqVFZP8LPVF. qVFPGR! ZZ54 TFP\_\*v\_#vZ\_! ( sZ:TF IJEFUF4 sZf 5+ SDFS  
GR J[; 8 hMGqVFZP8LPVF. qVFPGR! Z&) 4 TFP! #v\_#vZ\_! ( sV\$Fpq8 IJEFUF4 YL VZHNZG[ VFZP8LPVF. P VZHL YL DFU[  
DFICTL VU[HJFA5+ 5F9JTM5+ 5F9JJFDR Vfj, Kp

VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNZG[ ING v#\_ DA DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[ 0%I 8L . HGZ TZOYL DV VZHL GF ING v#\_ DA; TMDFSFZS DFICTL 5ZL 5F0JFDR Vfj, GYLP H[  
VU[GLR[D]HAGMCS D SZL V5L, GMIGSF, SZJFDR Vfj, Kp

0\_CSD 0

VZHNZzLGL DV VZHL V5L, VZHL TDH p5, aW CSLST wI FG[ , TFAGLR[D]HAGMCS D SZL V5L, GM  
IGSF, SZJFDR Vfj, Kp

VZHNFZZL GL TFP! \*q\_Zq! ( GL VZHLYL DFUJFDA VUJ, DFICTL VU[ VFZP8LPVF. P VS8GL S, DV\*s&f  
C9/ IJGF DkI [ ; RjI F DJHA ; TMDFSFZS DFICTL INGV\_\* DFV+GF p5, aW Z\$0"DJHA VZHNFZZLG[ 5ZL 5F0JF  
TDH VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JF 5IITZ  
5F9JJF VU[SF/HL ZFBJF TDFD HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ zl4 J:8 hMGG[TFSLN SZJFDA VFJ[KP

VZHNFZZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHIS1FGL SRZLVM a, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V# UFWLGUZ BFT[ALHI V5L, SZL XS[KP

SHPVFZP; M, SLF  
V5[ B VFIO; Z VG[  
SFI 5F, S . HGZs5IzD hfGvZNZf  
; ZT DCFGUZ5FI, SF

5IT4  
s! fzL ; HI . hCJF4  
s#f HFCZ DFICTL VIWSFZL VG[TDFD 0%I BL . HGZ zl4 8hMGfPPPHF6 ; FZP  
s#f HFCZ DFICTL VIWSFZL VG[0PVSFpg8g8zL SJ:8hMGfPPPHF6 ; FZP  
s\$F; \$XG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ}



HPVFZP; M, ISL  
V5[; 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; ]T DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; ]T v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP **SMC/WZ/FAP/GP!** \_&qZ\_! \*v! ( TFP! \*v\_ZvZ\_! (

VZHNZ oV ; HI . hCJF

; FDFJF/F oV HFCZ DFICTL VIWSFZL VG[ TDFD 0%I 8L . HGZzL sJ[; 8 hMGf

OZLI FNGL CSLST oV VZHNZGL DV VF. POLPGR Z\$) \*4 TFP ! 5q\_ZqZ\_! ( sJ[; 8 hMG VF. POLPGR \*#4 TFP  
! \*q\_ZqZ\_! ( f GL VZHL YL VFZP8LPVF. P C9/ HFCZ DFICTL VIWSFZL wJZF SZJF HMU  
SFI "JFCL AFATP

; NEbv VZHNZGL TFPZ&q\_#q! ( GL **SMC/WZ/FAP/!** \_&v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[; NE"AFAT[H6FJJFG]S[VZHNZGL TFP ! \*q\_ZqZ\_! ( GL VZHL YL ; PDP5FP DFATFP  
#\_q\_&qZ\_! \* 5C, F 56"YI[ S5L8, q UF8q SM. 56 ; ZSFZL IMHGF C9/GF SFDMG]HLPV[ P8LP VD, DA Vfj[ F AFN  
56 AL, GL OF. G, RJS6L AFSL CMI VJF SFDMGL DFICTL hMG JF. h 5MHS8 ; [ JF. h OMDBDA VYJF TDFD IJUT  
D/L HFI VJL OMDBDA VF5JF VUGL DFICTL DFUTL VZHL ; b8\_ hMG BFT[ TFP ! 5q\_ZqZ\_! ( SZJFDR Vfj[ H[  
TANL, Y. TFP ! \*q\_ZqZ\_! ( GF ZMH D/[ Kp

; NZ VZHL AFAT[ VZHNZG[ HFCZ DFICTL VIWSFZL aZFZ IGIT ; DI DI FNFDFA , FUT DFICTL 5ZL  
5F0JFDA Vfj[ H[ ; FD[JFWM CMI 4 VZHNZ ; b8\_ hMG BFT[ TFP ! 5q\_ZqZ\_! ( GF ZMH V5L, ; ZF1WSFZLG[ V5L,  
VZHL SZ[ H[ V+GF hMG BFT[ TANL, Y. TFP ! \*q\_ZqZ\_! ( GF ZMH D/[ H[ V5L, VZHL Gb  
**SMC/WZ/FAP/GP!** \_&q\_Z\_! \*v! ( TFPZ&q\_#qZ\_! ( YL V5L, GMW6L SZ[ Kp HGF VG[ WFGDFA V5L,  
TASS[ INGV\* DA DFICTLGL 5JTTF SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SFI "JFCL NZdI FG  
TFP! #v\_&vZ\_! ( GF A5M[ ! Zo\_\_ S, FS[ V5L, VUGL ~A~ ; GFJ6LDFCFHZ ZCJF V+GF 5+ GR J[; 8sZENZf  
hMGqVFZP8LPVF. qVFP&&4 TFP\_5v\_&vZ\_! ( GF 5+YL HF6 SZ[ CTLP TYF T[ TFZLB VG[ ; DI [VZHNZzL TYF  
HFCZ DFICTL VIWSFZL VG[ 0%I 8L . HGZzL CFHZ ZC[ Kp VZHNZG[ VF5JF HMU ZC[TL DFICTL HFCZ DFICTL  
VIWSFZLG[ f 5+ SDFS GR J[; 8 hMGqVFZP8LPVF. qVFPGR! ZZ54 TFP\_\*v\_#vZ\_! ( sZ:TF IJEFUF4 sZf 5+ SDFS  
GR J[; 8 hMGqVFZP8LPVF. qVFPGR! Z&) 4 TFP! #v\_#vZ\_! ( sV\$Fpq8 IJEFUF4 YL VZHNZG[ VFZP8LPVF. P VZHL YL DFU[  
DFICTL VU[HJFA5+ 5F9JTM5+ 5F9JJFDA Vfj[ Kp

VFZP8LPVF. V\$8GL S, D \*s! f C9/ VZHNZG[ ING v#\_ DA DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[ 0%I 8L . HGZ TZOYL DV VZHL GF ING v#\_ DA; TMDFSFZS DFICTL 5ZL 5F0JFDA Vfj[ GYLP H[  
VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDR Vfj[ Kp

o\_CSD o

VZHNZzLGL DV VZHL V5L, VZHL TDH p5, aW CSLST wI FG[ , TFAGLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDR Vfj[ Kp

VZHNFZZL GL TFP! \*q\_Zq! ( GL VZHLYL DFUJFDA VUJ, DFICTL VU[ VFZP8LPVF. P VS8GL S, DV\*s&f  
C9/ IJGF DkI [ ; RjI F DJHA ; TMDFSFZS DFICTL INGV\_\* DFV+GF p5, aW Z\$0"DJHA VZHNFZZLG[ 5ZL 5F0JF  
TDH VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JF 5IITZ  
5F9JJF VU[SF/HL ZFBJF TDFD HFCZ DFICTL VIWSFZL VG[0%I BL . HGZ zl4 J:8 hMGG[TFSLN SZJFDA VFJ[KP

VZHNFZZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFHIS1FGL SRZLVM a, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V# UFWLGUZ BFT[ALHI V5L, SZL XS[KP

SHPVFZP; M, SLF  
V5[ B VFIO; Z VG[  
SFI 5F, S . HGZs5IzD hfGvZNZf  
; ZT DCFGUZ5FI, SF

5IT4  
s! fzL ; HI . hCJF4  
s#f HFCZ DFICTL VIWSFZL VG[TDFD 0%I BL . HGZ zl4 8hMGfPPPHF6 ; FZP  
s#f HFCZ DFICTL VIWSFZL VG[0PVSFpg8g8zL SJ:8hMGfPPPHF6 ; FZP  
s\$F; \$XG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ}



V5L, VIWSFZL VG[VF; LP SIDxGZ  
J[8 SZFNZf hMG4  
OPAF/F ; FC[A NJU; ZM04  
ZFNZ ZM04  
; ZT DCFGUZ5FI, SF4; ZTP

OMG GAZ o \_Z&! vZ\*(&! (! v(Zv(#  
J[8 hMG VM0; 4; ZT DCFGUZ5FI, SF4; ZT

5YDV5L, **SMC/WZ/FAP/NO.! \*\_/2017-18**  
TFZLB oZ&q\_#qZ\_! (

VZHNZ ov zl ICDT, F, ALP, LAF; LI F  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[5; MG, VM0; ZZL4

OZLI FNGL CSLST ov

IJQFI ov ZF. 8 8] . gOMD[XG V\$8 Z\_\_5 CP/GL zl ICDT, F, ALP, LAF; LI F GL  
TFP\_\*v\_ZvZ\_! (GL D/V VZHLDH6fj1F DHA VRPAIP, LAF; LI F wJZF TFP  
\_(q\_Z\_! \* GL VZHL DP SIDxGZZLG[ SZJDFI VFJ, Kp H[ VU[YI],  
SFI "JFCLGL IJUT TYF VZHL AFAT[YI], SFI "JFCLGF ZL5M8" VG[T] ZL5M8" H[  
; AIWT BFTFDF DMS, JFDF VFJ, CMI TGL SRZLG Vfp8J0" GAZ VG[TFZLB  
; FYGL IJUT HJL DFICTL VF5JF AFATP  
; NE" ov VZHNZGL D/V VF. POLPGVZ\$Z TFP\_\*q\_Z\_! ( s5lUD hMG VF. POLPGP  
\*! (4 TFP\_\*v\_ZvZ\_! (f TDH V+GL TFP Z&q\_#q! (GL 5YD V5L,  
**VZHL GP SMC/WZ/FAP/! \*\_/17-18**

p5ZMST IJQFI [ VFP8LPVF. P V\$8 CP/ VZHL SZGFZ VZHNZ zl ICDT, F, ALP, LAF; LI F  
VF5ZLGL p5ZMST IJQFI VG; WFGDFVFP5GF wJZF ZF. 8 8]. gOMD[XG V\$8 CP/YL DFUJFDF VFJ, DFICTL  
DHA TFP\_\*q\_Z\_! (GL VZHL H6fj1F DHA VRPAIP, LAF; LI F wJZF TFP\_(q\_Z\_! \* GL VZHL DP  
SIDxGZZLG[ SZJDFI VFJ, Kp H[ VU[YI], SFI "JFCLGL IJUT TYF VZHL AFAT[YI], SFI "JFCLGF ZL5M8" VG[  
T] ZL5M8" H[; AIWT BFTFDF DMS, JFDF VFJ, CMI TGL SRZLG Vfp8J0" GAZ VG[TFZLB ; FYGL IJUT HJL  
DFICTL VF5JF AFAT[VZHL SZ, P HGF 5t1] Z VgJ1[HFCZ DFICTL VIWSFZL VG[5; MG, VM0; ZZL J[8  
hMG SFZF GRJ[8 hMG VFP8LPVF. P; [ q! ! ) \$4 TFPZ\*q\_Z\_! ( YL DFICTLqHJFA 5F9JJFDF VFJ, 4 H[  
IG6! YL GFZFH CMJFG H6fj1 VZHNZ TFP Z&q\_#qZ\_! ( GF ZMH 5YD V5L, VZHL V+GF V5L,  
VIWSFZL VG[VF; LP dI ]GPSIDxGZZL4 J[8 SZFNZf hMG4 ; ZT DCFGUZ5FI, SF4 ; ZTGL SRZLG[SZ, P H[5YD  
V5L, VZHL TFPZ&q\_#qZ\_! (4 **SMC / WZ / FAP / NO. ! \*\_/2017-18** YL GMWFI, CTLP

tI FZAFN pST V5L, VZHL AFAT[VZHNZ zl ICDT, F, ALP, LAF; LI F TDH, FUT HFCZ DFICTL  
VIWSFZL VG[5; MG, VM0; ZZL4 sJ[8 hMGf V5L, VIWSFZL VG[VF; LP SIDxGZ sJ[8 hMGf ; ZTGL SRZL  
; D1F TFP! &v\_\$vZ\_! ( GF ZMH A5M[! Z o \_\_ S, FS[ V5L, VUJL ~A~ ; JFJ6LDF JW] ZHMF DF8[  
CFHZ ZCJF V+GF 5+ GR JP hMG SZFNZf q VFP8LPVF. q VFP554 TFP\_5v\_\$vZ\_! ( YL H6fJJFDF

VFJ[ P pST H6FJ[ TFZLB VG[ ; DI[ VZHNFZZL TDH , FUT HFCZ DFICTL VIWSFZL VG[ 5; MG[ VM[; ZZL4 TFP ! &q\_Z\_! ( GFZMGL ~A~ ; GFJ6L NZdI FG CFHZ ZC[ CTF\VG[TDGM 51F TYF IJUTM VU[GLR[D]HA ZH\VFMSZ[ CTL[

VZHNFZGL V5L, VU[GL ZH\VFMSZ[ TFP \_\*q\_Z\_! ( sVF. POLPGR\*! ( f GD]GF cSc D]HA DFU[ DFICTL VgJ[ YI[ SFI "JFCL YI[ H6FTL GYL V[ B, [S[DFZL TFP \_(\_q\_Z\_! \*GL VZHLD\H6FJ[ IJUT[ SFI "JFCLGM ZL5M8"GYLP H[ZL5M8"K[ T[ VgI AFAT[SZ[ K[HML VF VZHL VgJ[ ZL5M8"U6L XSF[ GLP H[ D]HA TFP \_(\_q\_Z\_! \* GL VZHLD\H6FJ[ IJUT[ HM ZL5M8"YI[ G CMI TM T[ D]HAGL DFICTL VF5JLP HML4 VF D HFCZ DFICTL VIWSFZL FFZF VF5F[ DFICTL UZDFU[ NMZTL VG[ BM8L K[ HML ; FRL DFICTL VF5JLP H[ FZ[ HFCZ DFICTL VIWSFZL VG[ 5; MG[ VM[; ZZL TZ0[ VZHNFZGL ZH\VF VgJ[ VF. POLPGR\*! ( GF VG[ WFG[H-ZL DFICTL VF5JFDF\VFJ[ K[ HGF VFWFZ[ 5ZJF CSD YI[ YL VF5JFDF[ VFJX[TD H6FJ[ P

### CSD

VZHNFZGL DV VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , IT[ 5YD V5L, VZHL GR **SMC/WZ/FAP/! \_\*/2017-184** TFoZ&q\_Z\_! ( VgJ[ GLR[ D]HAGM CSD SZL V5L, GM IGSF, SZJFDF\VFJ[ K[

VFP8LPVF. PV\$8vZ\_\_5 C9/GL DFICTL DFUTL VZHNFZGL J[8 hMG VF. POLPGR \*! (4 TFP\_\*q\_Z\_! ( VgJ[ HFCZ DFICTL VIWSFZL VG[5; MG[ VM[; Z4 5IUD hMG sZFNZf afZF VZHNFZG[ 5+ GR J[8 hMGqVFP8LPVF. P; , q! ! ) \$4 TFPZ\*q\_Z\_! ( DFICTlqHJFA 5F9JJFDF\VFJ[ 4 V5L, NZdI FGGL VZHNFZGL pST ZH\VF51F wI FG[ . ; NZ TFP \_(\_q\_Z\_! \* GFIZ5M8V; FD[ 5+ AFATGL YI[ SFI "JFCLGL DFICTL OZ T5F; SZL p5, aW Z\$O[DFICTL[ D]F; Zq IJUTJFZ TG[ VFWFZ 5ZJFEG[ OMSIDJ[8 GS, ; FYGL DFICTL TYF TFP Z\*q\_Z\_! ( YL VF5[ DFICTLDF\H6FJ[ VFP GR ##\_4 TFP Z\$q\_Z\_! \* GF TYF TG[ , FUT OMSIDJ[8; GL GS, IJGFDkI[ INGV\* s; FTf DF\VR\\$ 5ZL 5F0JF HFCZ DFICTL VIWSFZL VG[5; MG[ VM[; ZZLG[H6FJJFDF\VFJ[ K[

5YD V5L, GF CSD S[ TGL VD, JFZL AFAT[ VZHNFZ GFZFH S[ V; T[8 CMI TM VFZP 8LP VF. P V\$8GF SFI NGGL S, D ! ) s#f C9/ UHZFT DFICTL VFIMU4 ccSD1 MUL EJGc4 a, MS GR ! 4 ALHMDF/4 IGDF6 EJGGL 5FK/4 ; \$8Zv! \_vV[ UFWLGUZG[5YD V5L, GF CSD ING v )\_ DF\GFDNFZ VFIMUZLG[ALHL V5L, SZJF VU[GL HMUJF. K[

GRJ[8sZFNZf hMGqVFP8LPVF. PqVFP  
TFZLBov v\_\$vZ\_! (P

s VPVDPZFH f  
V5L, VIWSFZL VG[VF; LP SIDxGZ  
J[8 sZFNZf hMG4  
; ZT DCFGUZ5F, SFP

GP ZJFGF o s! f zLICDT, F, ALP, LAF; L1F4  
sZf HFCZ DFICTL VIWSFZL VG[5; MG[ VM[; ZZL4 J[8 hMG4; ZT4 5|T4PPHF6 TYF  
VR\\$ ; DI DI FNFDL VD, ; F~P  
s#f VFP8LPVF. P; , P 5IUD hMG HF6 ; F~P



V5L, VIWSFZL VG[VF; LP SIDxGZ  
J[8 sZENZf hMG4  
OPAF/F ; FCJA NJZ; ZM04  
ZENZ ZM04  
; ZT DCFGUZ5FI, SF4; ZTP

OMG GAZ o \_Z&! vZ\*(&! (! v(Zv(#  
J[8 hMG VMIO; 4; ZT DCFGUZ5FI, SF4; ZTP

5YDV5L, SMC/WZ/FAP/NO.! \_(2017-18

TFZLB oZ\*q\_#qZ\_! (

VZHNZ ov zlICDT, F, ALP, LAF; LI F  
; FDFJF/F ov HFCZ DFICTL VIWSFZL VG[5; MG, VMIO; ZZL4

OZLI FNGL CSLST ov

IJQFI ov ZF. 8 8] . gOMD(XG V\$8 Z\_\_5 C9/GL zl ICDT, F, ALP, LAF; LI FGL  
TFP\_5v\_ZvZ\_! (GL D) VZHLDFAH6fj1F DHA VMIO; . PGR #\$\$\*! 4 TFP  
Z\*q\_#qZ\_! \* XCZ IJSF; 5P hMG ; PDP5FP TYF VMIO; . PGP! 5)\*4 TFP  
Z)q! ! qZ\_! \* XCZ IJSF; 5P hMG ; PDP5FP GF ZL5M8" VU[YI[, SFI "JFCLGL  
IJUT TYF ZL5M8" DPSIDxGZZL DF; FNZ SZ[, T[ TFZLB VG[ VFp8J0" GAZGL  
IJUT HJL DFICTL VF5JF AFATP  
; NE" ov VZHNZGL 5IUD hMG VF. POLPGP \*! Z4 TFP\_5v\_ZvZ\_! ( TDH V+GL  
TFP Z\*q\_#q! (GL 5YD V5L, VZHL GR SMC/WZ/FAP/! \_(17-18

p5ZMST IJQFI [ VFZP8LPVF. P V\$8 C9/ VZHL SZGFZ VZHNZ zl ICDT, F, ALP, LAF; LI F  
VF5ZLGL p5ZMST IJQFI VG; WFGDA VF5GF wJZF ZF. 8 8]. gOMD(XG V\$8 C9/YL DFUJFDFV FJ[, DFICTL  
DHA TFP\_5q\_ZqZ\_! (GL VZHL H6fj1F DHA VMIO; . PGR #\$\$\*! 4 TFP Z\*q\_#qZ\_! \* XCZ IJSF; 5P  
hMG ; PDP5FP TYF VMIO; . PGP! 5)\*4 TFP Z)q! ! qZ\_! \* XCZ IJSF; 5P hMG ; PDP5FP GF ZL5M8" VU[YI[,  
SFI "JFCLGL IJUT TYF ZL5M8" DPSIDxGZZL DF; FNZ SZ[, T[ TFZLB VG[ VFp8J0" GAZGL IJUT HJL DFICTL  
VF5JF AFAT[VZHL SZ[, P HGF 5t1] Z VgJ1[HFCZ DFICTL VIWSFZL VG[5; MG, VMIO; ZZL J[8 hMG \$FZ  
GRJ[8 hMGqVFZP8LPVF. P; [ q! ! ) 54 TFPZ\*q\_ZqZ\_! ( YL DFICTLqHJFA 5F9JJFDFV FJ[, 4 H[ VF5[  
DFICTL VWZL CMI GFZFH CMJFGH6fj1F VZHNZ[ TFP Z\*q\_#qZ\_! ( GF ZMH 5YD V5L, VZHL V+GF  
V5L, VIWSFZL VG[VF; LP dI ]GPSIDxGZZL J[8 sZENZf hMG4; ZT DCFGUZ5FI, SF4; ZTGL SRZLG[SZ[, P H[  
5YD V5L, VZHL TFPZ\*q\_#qZ\_! (4 SMC / WZ / FAP / NO. ! \_(2017-18 YL GMWFI[ CTLP

t1FZAFN pST V5L, VZHL AFAT[VZHNZ zl ICDT, F, ALP, LAF; LI F TDH , FUT HFCZ DFICTL  
VIWSFZL VG[5; MG, VMIO; ZZL4 SJ[8 hMGf V5L, VIWSFZL VG[VF; LP SIDxGZ SJ[8 hMGf ; ZTGL SRZL  
; D1F TFP! &v\_\$vZ\_! ( GF ZMH A5M[! Z o ! 5 S, FS[ V5L, VUGL ~A~ ; JFJ6LDFJW ZHMF DT8[  
CFHZ ZCJF V+GF 5+ GP JP hMG sZENZf q VFZP8LPVF. q VFP5&4 TFP\_5v\_\$vZ\_! ( YL H6fJJFDFV  
FJ[, P pST H6fJ[, TFZLB VG[ ; DI[ VZHNZ zl TDH , FUT HFCZ DFICTL VIWSFZL VG[5; MG,

VMO; ZzI4 TFP ! &q\_Z\_! ( GRZMHGL ~A~ ; GFJ6L NZdI FG CFHZ ZC CTAVG[TDGM 51F TYF IJUTM  
VU[GLR[D]HA ZH]VFTMSZ[ CTL

VZHNZGL V5L, VUGL ZH]VFTDA DFU[ DFICTLV[ VF5], DFICTL VgJI[ BBTI DFICTL V8, S[  
OLVF. VM 5|T DMS, [ ZL5M8GL s! ! ! TYF ! \$5 . GJO"GAZYL GMFI[ f GL GS, MVF5JF H6FJ[ P HI FZ[  
HFCZ DFICTL VIWSFZL V[ 5+ GR ! ! ) 54 TFP Z\*q\_Z\_! ( YL DFICTL VF5[ H6FJL JW CSD YI YL  
VZHNZ[DFU[ DFICTL GS, MVF5JFDFV[ VJX[TD H6FJ[ P

## CSD

VZHNZGL DV VZHL4 V5L, VZHL TDH p5, aW CSLST wI FG[ , ITA 5YD V5L, VZHL GR  
**SMC/WZ/FAP/!** \_(\_/2017-184 TF0Z\*q\_Z\_! ( VgJI[ GLR[ DHAGM CSD SZL V5L, GM IGSF,  
SZJFDFV[ VJX[ Kp

VFP8LPVF. PV\$8vZ\_\_5 C9/GL DFICTL DFUTL VZHNZGL J[8 hMG VF. POLPGR \*! Z4  
TFP\_5q\_Z\_! ( VgJI[ HFCZ DFICTL VIWSFZL VG[5; MG[ VMO; Z4 5IUD hMG sZFNZf aZF VZHNZG[  
5+ GR J[8 hMGqVFP8LPVF. P; [ q! ! ) 54 TFPZ\*q\_Z\_! ( YL ; DI DI FNFDFA DFICTLqHJFA 5F9JJFDFA  
VFJ[ 4 V5L, NZdI FGGL VZHNZGL p5ZMST ZH]VFT[ V5L, VIWSFZLZLGL ; RGFV[ DV VF. POLPGF  
HJFADFAH6FJ[ . PGR ! ! ! 4 TFP! \*q\_Z\_! \* YL D/[ TYF GR ! \$54 TFP Z! q\_Z\_! \* YL OLVF. VMG[  
ZJFGF SZ[ IZ5M8GL GS, TYF . P GR ! 5) \*4 TFP Z) q! ! q\_Z\_! \* . GJO"ZHI:8ZGL GS, IJGFD[ CFYMCY  
VF5JFDFV[ VJX[ Kp H[D?IF AN, , IBT VZHNZ[ VF5[ K[GL IJUT[ ; NZ V5L, 5\$Z6[JW]SFV SZJFG[  
ZCITGYLP

5YD V5L, GF CSD S[ TGL VD, JFZL AFAT[ VZHNZ GFZFH S[ V; T[8 CMI TM VFP8LP VF. P  
V\$8GF SFNFGS, D ! ) s#f C9/ UHZFT DFICTL VFIMU4 ccsD1MUL EJGc4 a, MS GR ! 4 ALHMDF/4 IGDF6  
EJGGI 5FK/4 ; \$8Zv! \_vV[ UFVWLGUZG[5YD V5L, GF CSD ING v )\_ DF GFDNFZ VFIMUZLG[ALHL  
V5L, SZJF VUGL HMUJF. Kp

GRJ[8sZFNZf hMGqVFP8LPVF. PqVFP  
TFZLBov v\_\$vZ\_! (P

s VPVDPZFH f  
V5L, VIWSFZL VG[VF; LP SIDxGZ  
J[8 sZFNZf hMG4  
; ZT DCFGUZ5FI, SF

GP ZJFGF o s! f zLICDT, F, AIP, IAF; LIF4  
sZf HFCZ DFICTL VIWSFZL VG[5; MG[ VMO; ZzI4 J[8 hMG4; ZT4 5|T4PPHF6 TYF  
VR\$ ; DI DI FNFDFA VD, ; F~P  
s#f VFP8LPVF. P; [ P 5IUD hMG HF6 ; F~P



HPVFZP; M, ISL  
V[5], 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; ]ZT DCFGUZ5F1, SF  
5lÜD hMG sZFNZf  
OFPaf, F; FCA NJZ; ZM04 TFOJFOL4  
gI ]ZFNZ ZM04; ]ZT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\* (&! (! v(Zv (#

V5L VZHL GP **SMC/WZ/FAP/GP!** \_\_) qZ\_! \*v! ( TFPZ\*v\_#vZ\_! (

VZHNFZ ov zl H; JT; C VP Ei E8"

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]8L . HGZZL HLPV[DPMUFsXCZ IJSF; fsJ[ 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J[8hMG VF. POLPGR \*\*#4 TFP Z#q\_ZqZ\_! ( GL VZHL YL VFZP8LPVF. P CP/ HFCZ DFICTL VIWSFZL wJZF SZJF HMJ SFI "JFCL AFATP

; \Ebv VZHNFGZLTPZ\*q! ( GL SMC/WZ/FAP/! \_ )v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJQFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNZGL TFP Z#q\_ZqZ\_! ( GL VZHIYL TFP  
\_! q\_! qZ\_! \* YL VFH ING ; ]L J[; 8 hMG sZFNZf 8LP5LPGR ! \_4! ! 4! Z4! \$4Z#4#! 4#Z TDH VgI H[OST VF5G[  
, FUT CMI T[IJ:TFZDFU[ZSFN N[ Z AFWSFD ; NE'DF5F9JJFDFVVFJ, GM8LX4 DGF. C\$DGL 5|DF6LT GS, DFDFICTL  
5ZL 5F0JF H[JF D]j F GR ! YL \$ VUGL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDAVFJ, KP

; NZ VZHL AFAT[ VZHNFG[ HFCZ DFICTL VIWSFZL āFZF IGIT ; DI DIFNFDI DFICTL 5ZL  
5F0JFDA VFJ[ G CMI IGIDMG; FZ IJGF DkI[ DFICTL D/VJJF V5L, ; ?VIWSFZLG[ V5L, VZHL G  
SMC/WZ/FAP/GR! \_\_)qZ\_! \*v! ( TFPZ\*q#qZ\_! ( YL V5L, SZ[ Kp HGF VG; WFGDFA V5L, TASS[  
INGv\* DA DFICTLGL 5JTTF SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SFI "JFCL NZdI FG  
TFP! #v\$\_vZ\_! ( GA5M[ ! Z0\_\_ S, FS[ V5L, VU[GL ~A~ ; GFJ6LDFCFHZ ZCJF V+GA5+ GR J[ 8sZFN[Z  
hMGqVFZP8LPVF. PqVFP&\*4 TFP\_5v\$\_vZ\_! ( GF 5+YL HF6 SZ[ CTLP TYF T[TFZLB VG[; DI [VZHNFZL TDH  
, FUT HFCZ DFICTL VIWSFZL CFHZ ZCJF CTA VG[~A~ ZH]MFT SZ[ Kp VFZP8LPVF. V\$8GL S, D \*s! f C9/  
VZHNFG[ING v#\_ DA DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ DFICTL VIWSFZL VG[OKI ]BL . HGZ TZOYL D/  
VZHLGF ING v#\_ DFICTL 5ZL 5F0JFDA VFJ[ GYLP H[VU[GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDA  
VFJ[ Kp

0 CSD 0

VZHNFZZLGL D/ VZHL4 V5L, VZHL TDH p5, aW CSLST w FG[, TFLGLR[D]HAGM CSD SZL V5L, GM  
IGSF, SZJFD[VFJ[KP

VZHNFZZL GL TFPZ#q\_Zq! ( GL VZHLYL DFUJFDA VFJ[ DFICTL VU[ VFZP8LPVF. P VS8GL  
S, DV\*s&f C9/ IJGF DkI[ ; TMDFSFZS DFICTL INGV\_\* DFV+GF p5, aW Z\$0"DH A VZHNFZZLG[ 5ZL 5F0JF  
TJDH VFZP8LPVF. P C9/ VFJTL DFICTL q 5ZEFJ DFUTL VZHL VU[ ; DI DI FNFDFA DFICTL 5ZL 5F0JFq 5tI JTZ  
5F9JJF VU[SF/HL ZFBJF, FUT HFCZ DFICTL VIWSFZL VG[0%] BL. HGZ zl4 J[8 hMGG[TFSLN SZJFDA VFJ[KP

VZHNFZZL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VFI MU4 SDI MUL EJG4 ZFH I S1FGL SRZLVM  
a, MS GRV! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; S8Z GV! \_v V# UFWLGUZ BFT|ALHL V5L, SZL XS|KP

sHPVFZP; M, \$lf  
V5| B VF10; Z VG[  
SFI 5F, S . HGZs5IzD hFGvZNZf  
; ZT DCFGUZ5Fl, SPP

5|T4  
s! fzL H; J|T|; C Vp Ei E8's; CT+L S|ITWD"VBAFZf4  
sZf HFCZ DFICTL VIWSFZL VG[0%I|8L . HGZzL HLPVDPOMJF4 sJ:8hMGfsXCZ IJSF; IJEFUFPPPHF6 ; FZ|  
s#f; SXG VMO; Z sVFZP8LPVF. ; | f5|TPPPPPP HF6 ; FZ|



HPVFZP; M, ISL  
V5[ , 8 VMOL; Z VG[  
SFI "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1 ]ZENZ ZM04; JT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\*( &! (! v(Zv( #

V5L, VZHL GPSMC/WZ/FAP/GP! ! \_qZ\_! \*v! ( TFPZ\*v#vZ\_! (

VZHNFZ ov zL H; JT; C VP Ei E8'

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZzL HLPV[DPOMUfSXCZ IJSF; fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR \*\*\$4 TFP Z#q\_ZqZ\_! ( GL VZHL YL VFZP8LPVF. P CP/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP

; NEbv VZHNFZGL TFPZ\*q#! ( GL SMC/WZ/FAP/ ! ! \_v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJ0FI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL TFP Z#q\_ZqZ\_! ( GL VZHL YL TFP  
\_! q\_! qZ\_! \* YL VFH ING ; JI:8 hMG sZENZF 8LP5LPGR \_\_)4! \_4! \$4! 54! &4\*\$ TDPH VgI H[OST VF5G[  
, FUT CMI T[IJ:TFZDAU[ZSFN] N[ Z AFWSFD ; NEDA5F9JJFDFV[ J, GM8LX4 DGF. CSDGL 5DF6IT GS, DFADFICTL  
5ZL 5F0JF HJF D;F GR ! YL \$ VU[GL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDAV[ J, Kp

; NZ VZHL AFAT[VZHNFZG[HFCZ DFICTL VIWSFZL aZF IGI T ; DI DI FNFDADFICTL 5ZL 5F0JFDFV[ J,  
G CMI IGI DMG; FZ IJGF D;I[ DFICTL D[JJF V5L, ; ZFIWSFZLG[ V5L, VZHL Gb  
SMC/WZ/FAP/GP! ! \_qZ\_! \*v! ( TFPZ\*q#qZ\_! ( YL V5L, SZ[ Kp HGF VG] WFGDA V5L, TASS[  
INGv\* DF DFICTLGL 5JTF SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SFI "JFCL NZdI FG  
TFP! #v\_vZ\_! ( GF A5M[ ! Zo\_\_ S, FS[ V5L, VU[GL ~A~ ; JFJ6LDFCFHZ ZCJF V+GF 5+ GR J:8sZENZF  
hMGqVFZP8LPVF. qVFP&\*4 TFP\_5v\_vZ\_! ( GF 5+YL HF6 SZ[ CTIP TYF T[TFZLB VG[ ; DI [VZHNFZzL TDPH  
, FUT HFCZ DFICTL VIWSFZL CFHZ ZCJF CTAVG[~A~ ZHJFVFT SZ[ Kp VZHNFZG[VF5JF HMU ZCJF DFICTL HFCZ  
DFICTL VIWSFZLG[ 5+ SDFPS GR J:8 hMGqVFZP8LPVF. qVFPGR! #(54 TFPZ&v#vZ\_! ( sXCZ IJSF; f YL  
VZHNFZG[VFZP8LPVF. P VZHL YL DFU[ DFICTL VU[ HJFAL5+ 5F9JJFDFV[ J, Kp

VFZP8LPVF. V\$8GL S, D \*s! f CP/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL D/ VZHL GF ING v#\_ DF SM. DFICTL 5ZL 5F0JFDFV[ J, GYIP H[ VU[  
GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDAV[ J, Kp

o CSD o

VZHNFZzL D/ VZHL V5L, VZHL TDPH p5, aW CSLST wI FG[ , T[GLR[D]HAGMCSD SZL V5L, GM  
IGSF, SZJFDAV[ J, Kp

VZHNFZzL GL TFPZ#q\_ZqZ\_! ( GL VZHL YL DFUJFDA V[ J, DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f CP/ IJGF D;I[ ; TMDFZS DFICTL INGv\_\* DF V+GF p5, aW Z\$0" DHA VZHNFZzLG[ 5ZL 5F0JF  
TDPH VFZP8LPVF. P CP/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDADFICTL 5ZL 5F0JFq 5tI JTZ  
5F9JJF VU[ SF/HL ZFBJF , FUT HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zl4 J:8 hMGqTFSLN SZJFDA V[ J, Kp

VZHNFZZL ; NZ CSDYL GFZH CM! TM UHZFT DFICTL VFI MU4 SD! MUL EJG4 ZFH! S1FGL SRZLVMA, MS  
GRV! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V! UFVIGUZ BFT[ALHL V5L, SZL XS[KP

SHPVFZP; M, SLF  
GRJ[ 8 hMGqVFZP8LPVF. PqGR  
TFZLBov v vZ\_! (P  
SF1 5F, S . HGZs5IzD hFGvZNZf  
; ZT DCFGUZ5Fl, SF

5|T4  
s! fzL H; JTI; C VP ET E8's; CT+L SITWD"VBAFZf4  
sZf HFCZ DFICTL VIWSZL VG[0%I BL . HGZzL HLPVDPOMUF4 sJ[ 8hMGfsXCZ IJSF; IJEFUFPPPHF6 ; FZ  
s#f; SXG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ]



HPVFZP; M, ISL  
V[5], [8 VMOL; Z VG[  
SFI "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZf  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1] ZENZ ZM04; JT v #) 5 \_\_\_\_ ) P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GPSMC/WZ/FAP/GP! ! ! qZ\_! \*v! ( TFPZ\*v#vZ\_! (

VZHNFZ ov zL H; JT; C VP Ei E8'

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZzL DLTFAG UFWLsXCZ IJSF; fsJ: 8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J: 8hMG VF. POLPGR \*\*54 TFP Z#q\_ZqZ\_! ( GL VZHL YL VFZP8LPVF. PCP/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP

; NEbv VZHNFZGL TFPZ\*q#q! ( GL **SMC/WZ/FAP/** ! ! ! v! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJIFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL TFP Z#q\_ZqZ\_! ( GL VZHL YL TFP  
\_! q\_! qZ\_! \* YL VFH ING ; JL J: 8 hMG sZENZf 8LP5LPGR Z) 4#&4\$Z4\$#4\$\$ TDPH VgI H[OST VF5G[, FUT  
CMI T[IJ:TFZDAU[ZSFN; N; Z AFWSFD ; NEFDA5F9JJFDAVFJ, GMBLX4 DGF. CSDGL 5DF6LT GS, DFDFICTL 5ZL  
5F0JF HJF D;F GR ! YL \$ VUJGL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDAVFJ, Kp

; NZ VZHL AFAT[VZHNFZG[HFCZ DFICTL VIWSFZL aZFZ IGI T ; DI DI FNFDADFICTL 5ZL 5F0JFDAVFJ,  
G CMI IGI DMG; FZ IJGF D;I[ DFICTL D/JJF V5L, ; ZFIWSFZLG[ V5L, VZHL Gb  
**SMC/WZ/FAP/GP!** ! ! qZ\_! \*v! ( TFPZ\*q#qZ\_! ( YL V5L, SZ[ Kp HGF VG] WFGDA V5L, TASS[  
INGv\* DA DFICTLGL 5JTF SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SFI "JFCL NZdI FG  
TFP! #v\_vZ\_! ( GF A5M[ ! Zo\_\_ S, FS[ V5L, VUJGL ~A~ ; JFJ6LDFCFHZ ZCJF V+GF 5+ GR J: 8sZENZf  
hMGqVFZP8LPVF. PqVFP&\*4 TFP\_5v\_vZ\_! ( GF 5+YL HF6 SZ[ CTIP TYF T[TFZLB VG[ ; DI [VZHNFZzL TDPH  
, FUT HFCZ DFICTL VIWSFZL CFHZ ZCJF CTIPVG[~A~ ZHJFT SZ[ Kp

VFZP8LPVF. V\$8GL S, D \*s! f CP/ VZHNFZG[ING v#\_ DA DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL DY VZHLGF ING v#\_ DA SM. DFICTL 5ZL 5F0JFDAVFJ, GYLP H[ VU[  
GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDAVFJ[Kp

o CSD o

VZHNFZzL GL TFPZ\*q\_Zq! ( GL VZHL YL DFUJFDA VFJ, DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f CP/ IJGF D;I[ ; TMDFZS DFICTL INGv\_\* DA V+GF p5, aW Z\$0" DHA VZHNFZzL G[ 5ZL 5F0JF  
TDPH VFZP8LPVF. P CP/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDADFICTL 5ZL 5F0JFq 5IITZ  
5F9JJF VU[SF/HL ZFBJF , FUT HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zL4 J: 8 hMGG[TFSLN SZJFDA VFJ[Kp

VZHNFZzL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VF1 MU4 SD1 MUL EJG4 ZFH1 S1FGL SRZLVMa, MS  
GRv! 4 ALHMDF/ IGDF6 EJG 5FK/4 ; \$8Z GV! \_v V# UFWLGUZ BFT[ALHI V5L, SZL XS[Kp

SHPVFZP; M, Sf  
V5[ 8 VF[0; Z VG[  
SF[5F, S . HGZs5lzD hFGvZNZf  
; ZT DCFGUZ5F, SF

5|T4

s! fzL H; JT; C Vp Ei E8's; CT+L SFITWD"VBAFZf4  
SZf HFCZ DFICTL VIWSFZL VG[0%I BL . HGZzL DLTFAG UWL4sJ[ 8hMGfsXCZ IJSF; IJEFUFPPPHf6 ; FZp  
s#f; SXG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ}



HPVFZP; M, ISL  
V[5], [8 VMOL; Z VG[  
SF1 "5F, S . HGZ



; JT DCFGUZ5FI, SF  
5IÜD hMG sZENZF  
OFPAF, F; FC[A NJZ; ZM04 TFOJFOL4  
g1 ]ZENZ ZM04; JT v #) 5 \_\_\_\_ P  
OMG0\_Z&! vZ\*(&! (! v(Zv(#

V5L, VZHL GP**SMC/WZ/FAP/GP!** ! ZqZ\_! \*v! ( TFPZ\*v#vZ\_! (

VZHNFZ ov zL H; JT; C VP Ei E8'

; FDFJF/F ovHFCZ DFICTL VIWSFZL VG[0%]BL . HGZzL VGP5LPXFCsXCZ IJSF; fsJ:8 hMGf

OZLI FNGL CSLST ov VZHNFZ GL J:8hMG VF. POLPGR \*\*&4 TFP Z#q\_ZqZ\_! ( GL VZHL YL VFZP8LPVF. P CP/  
HFCZ DFICTL VIWSFZL wJZF SZJF HMU SFI "JFCL AFATP

; NEbv VZHNFZGL TFPZ\*q#q! ( GL **SMC/WZ/FAP/** ! ! Zv! \*v! ( GL 5YD V5L, AFATP

p5ZMST IJIFI VG[ ; NE" AFAT[ H6FJJFG] S[ VZHNFZGL TFP Z#q\_ZqZ\_! ( GL VZHL YL TFP  
\_! q\_! qZ\_! \* YL VFH ING ; JI:8 hMG sZENZF 8LP5LPGR \_ (4! #4Z) 4#\_4\$54\$& TDH Vgl H[OST VF5G[  
, FUT CMI T[IJ:TFZDAU[ZSFI N[ Z AFWSFD ; NEDA5F9JJFDFV[ J, GM8LX4 DGF. CSDGL 5DF6IT GS, DFDFICTL  
5ZL 5F0JF HJF D;F GR ! YL \$ VUGL DFICTL DFUTL VZHL V+GF hMG BFT[SZJFDAV[ J, Kp

; NZ VZHL AFAT[VZHNFZG[HFCZ DFICTL VIWSFZL aZF IGI T ; DI DI FNFDADFICTL 5ZL 5F0JFDAV[ J,  
G CMI IGI DMG; FZ IJGF D;I[ DFICTL D[JJF V5L, ; ZFIWSFZLG[ V5L, VZHL Gb  
**SMC/WZ/FAP/GP!** ! ZqZ\_! \*v! ( TFPZ\*q#qZ\_! ( YL V5L, SZ[ Kp HGF VG] WFGDA V5L, TASS[  
INGv\* DF DFICTLGL 5JTF SZJF , FUT HFCZ DFICTL VIWSFZLG[ HF6 SZ[ P V5L, GL SFI "JFCL NZdI FG  
TFP! #v\_vZ\_! ( GF A5M[ ! Zo\_\_ S, FS[ V5L, VUGL ~A~ ; JFJ6LDFCFHZ ZCJF V+GF 5+ GR J:8sZENZF  
hMGqVFZP8LPVF. PqVFP&\*4 TFP\_5v\_vZ\_! ( GF 5+YL HF6 SZ[ CTIP TYF T[TFZLB VG[ ; DI [VZHNFZzL TDH  
, FUT HFCZ DFICTL VIWSFZL CFHZ ZCJF CTIP V[ ~A~ ZHNFZzL SZ[ Kp

VFZP8LPVF. V\$8GL S, D \*s! f CP/ VZHNFZG[ING v#\_ DF DFICTL 5ZL 5F0JFGL CMI Kp V+YL HFCZ  
DFICTL VIWSFZL VG[0%]BL . HGZ TZOYL DY VZHLGF ING v#\_ DF SM. DFICTL 5ZL 5F0JFDAV[ J, GYLP H[ VU[  
GLR[D]HAGMCSD SZL V5L, GMIGSF, SZJFDAV[ J, Kp

o CSD o

VZHNFZzL GL TFPZ\*q\_ZqZ\_! ( GL VZHL YL DFUJFDA V[ J, DFICTL VU[ VFZP8LPVF. P V\$8GL  
S, Dv\*s&f CP/ IJGF D;I[ ; TMDFZS DFICTL INGv\_\* DF V+GF p5, aW Z\$0" DHA VZHNFZzL 5ZL 5F0JF  
TDH VFZP8LPVF. P CP/ VFJTL DFICTL q 5ZJF DFUTL VZHL VU[ ; DI DI FNFDADFICTL 5ZL 5F0JFq 5IITZ  
5F9JJF VU[ SF/HL ZFBJF , FUT HFCZ DFICTL VIWSFZL VG[0%]BL . HGZ zL4 J:8 hMGG[TFSN SZJFDA V[ J, Kp

VZHNFZzL ; NZ CSDYL GFZFH CMI TM UHZFT DFICTL VFIMU4 SD1MUL EJG4 ZFH1 S1FGL SRZLVM  
a, MS GRv! 4 ALHM DF/ IGDF6 EJG 5FK/4 ; \$8Z GM! \_v V[ UFWLGUZ BFT[ALHL V5L, SZL XS[Kp

SHPVFZP; M, Sf  
V5[ 8 VF[0; Z VG[  
SF[5F, S . HGZs5lzD hFGvZNZf  
; ZT DCFGUZ5F, SF

5|T4

s! fzL H; JT; C Vp Ei E8's; CT+L SFITWD"  
SZF HFC[Z DFICTL VIWSFZL VG[0%I BL . HGZzL VGP5LPXFC4sJ[8hMGfsXC[Z IJSF; IJEFUFPPPHF6 ; FZP  
s#f; SXG VMO; Z sVFZP8LPVF. ; f5|TPPPPPP HF6 ; FZ]