

# क्या डकx?

## Earthquakes



**USAID**  
FROM THE AMERICAN PEOPLE



**NSET**

eŠDkx? <

a/fa/ ; flwgJtL; kZgx? M

; j ffwsf/ ; /IIfTMeŠDk klj lw /fi6ø ; dfh - gkfn @) @

wGoj fb 1 fkg

lgDglnlvt j ħ ; f06x?af6 sXlhfgsf/lx? ln0Psf 5g\

; eQm/fb efales ; j Ifof US Geological Survey: www.usgs.gov

cdl/sfnL/fi6ø /\$qm The American National Red Cross: www.redcross.org

lj ifo ; řL

kZg g#!-!# eŠDk

kZg g#!#-!% gkfn df eŠDk / eŠDklo hfjvd

kZg g#!%-^ eŠDklo kj {tof/Lofhgf

kZg g#@& u} ; Argfids ; /Iff

kZg g#@\* ; Argfids ; /Iff

kZg g#@( kfylds pkrf/

kZg g#@# yk hfgsf/L

kZgQ/ ; sngstf{ M ; >Llrh' -Pg; \$-gkfn sf]; xofufy{vl6PsL Singapore International Foundation Volunteer\_

cgj fb ; xofu M >Ldbg dlof bllft

lrq tyf uflkn; \ M >LrGg W/h /fgf du/

lātlo ; :s/Of M @^ kff -!),))) klt\_

tġlo ; :s/Of M @^# kff -!),))) klt\_

rty{; :s/Of M @^% kff -%)))) klt\_

kff}; :s/Of M @^^ kff -\$,)))) klt\_

57f}; :s/Of M @^& kff -^,)))) klt\_

; ft}; :s/Of M @& kff -!&,)))) klt\_



of]; fduL,cdl/sL; xtoft lgoft (USAID/OFDA) sf]cilyš ; xofndf eŠDk klj lw /fi6ø ; dfh-gkfn (NSET) ał/f ; -rflnt "eŠDklo hfjvd Joj:ykgdf ; fj hgs lghL; fent/Lkj 4g sfoqm (3PERM)" cGuť ksfzg ul/Psf]xf] o; ksfzgd f kġtt ul/Psf ljifo o; sf nys -x?\_ sf ckyf cleJolQmxg'h; klt bft| :yf pQ/bfoL/xg|5g .

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!\_ eŠDk s |xf|<

kŷ LkI08sf|; j e0f dŷNf|efudf sğ}sf/0fj; kŷ Lsf|cf0t/s  
phf|g; t xğfsf|sf/0f|xğhfg|eŷnsf|sDkg g}eŠDk xf|. eŠDk  
dVotof kŷ LkI08sf|dŷNf|efusf|ršfgdf tGsf0{a9} yfDg  
g; Sbf 6qmf|ubf{xG . eŠDksf c0 sf/0fdf Hj fnfdvLkŷg'jf  
kŷ Lsf|rDas0 s0fzntf jf c0 rfdk xg hfg|kl/jtğ cfb  
xg\

@\_ lr/f-knN6\_ egš f|s |xf|<

eüedf ršfg 6lq0{k/šf|lr/fnf0{kn6 elg5 hg kŷ LkI08sf|  
dŷNf|v08df cj:yt ršgleq eŠDkn|ubf{k/šf|To:tf|kfbf|xf|  
h; sf|ba}kfbf ršfgx?alr kf/:kl/s :yfg0/ ePsf|xG . ršfgdf  
hxLtxLb|vg|/f|r/fx? efuleš lr/f x0gg\ efuleš lr/fsf ba}  
kfbdf ršfgsf|; a}kf/:kl/s lj:yfkg sXLdI6/ b|v sXLls-df-  
; Dd xg ; S5 .

#\_ s; /LeŠDkx? xg|u5ğ <

clwsfz+lJ W}+s eŠDkx? efuleš lr/fdf ršfg rls0{PsfPs  
kf/:kl/s lj:yfkg xğfsf|sf/0f|xg|u5ğ . of|cŷf k8šfpg'h:t|  
g|xf|. k8lsg' e0f kxn|cŷf?nf0{eüesf t|GPsf ršfgx? h:t}  
Ps}fy / 5|t/af6 tGsf0G . 3if0n|ubf; ?df ltgx? 5|g'kgaf6  
/fsg\ t/ b/f|sl; dsf|bafa a9|k5 cŷf? cs:dft ; 5ğ /  
W|g t/Šsf|?kdf phf|ljdf g xg|u5{hf|cŷfaf6 ; /| sfdf  
k5 . eŠDk klg eüesf|ršfg alr a9g uPsf|tGsf0{-rfk\_ axg  
ug{g; Sbf kn6sf|?kdf ršfg 6lq0|g; t phf{rf|t/ lkŷg'xf|.

\$\_ cGtMš Gb|(hypocenter, xf0kf| G6/) s |xf|<

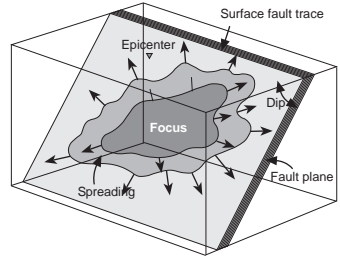
cGtMš|egšf|kŷ Lsf|cGtMndf /xšf|; f|la0'xf| hxfaf6 eŠDk  
; ?xG . o; nf0{gles|; dt elg5 .

%\_ clws Gb|(Epicenter, 0lk; G6/, s Gb|laGb) s |xf|<

kŷ Lsf|; txsf|Tof|lj G'cl3s Gb|-s Gb|laGb' xf| hf|cGtMšsf|; f0n  
dŷ /xG . cGtMšsf|; f0n dŷ hdlgdf kg|lj Gnf0{clws Gb|-  
s Gb|laGb' elg5 .

^\_ kfuwSsf (Foreshock, knf/ ; s ) s |xf| <

ešDksf]dVo wšsf ebf kxn]slds  
tj/df cfpq ; Sg]ck]ffst ; fgf  
ešDkx? kfuwSsf xg\ kfuwSsf dVo  
wšsf ebf ; fgf xGg\ slxn\$flx+  
o:tf kfuwSsf xfdIn]rfn gkfpq]  
?kdf cfpq\ t; y{xfdIn]rfn kPsf]  
kyd wšsf kfuwSsf xflj f dVo wšsf  
xfljeglEg tTsfn}; lsG .



&\_ cjzli6 wšsf (Aftershock, cfkn6/ ; s) s |xg\ <

ešDksf]dVo wšsf upkl5 slds tj/df cfpq]ck]ffst ; fgf  
ešDkx? cjzli6 wšsf xg\ o:tf cjzli6 wšsf x^tf]dlxgf/  
jiff]Dd cfo/xg ; S5g\ ; fdfotj/df, hlt 7hf]ešDk xG ToIQ  
g}7hf / plQg}a9L; wofdf / a9 ; do cjlw; Dd cjzli6 wšsf?  
cfpq ; S5g\

\*\_ ešDkx?nf0{s; /Lclelnlvt -dfkg\_ ul/G5 <

ešDk dks oG (Seismograph, ; D:dfu]kn) gds pks/Oaf/f  
ešDkx?nf0{clelnlvt -dfkg\_ ul/G5 .

(\_ ešDksf]ju?Tj cyft kl/dfOf (Magnitude, Dofug]o8) dfqf eg\$fl  
s |xf|<

ešDkn]dQmu/\$fl]pnhf]kl/dfOfsf]/fzLdfk g}kl/dfOf dfqf -Dofug]o8,  
Magnitude) xfl. /fzLdfqsf]; lj Voft dkkf\$fgd A/S6/Ækl/dfk  
xfl.

!)\_ ešDksf]tlatf (Intensity, OG6G; I6D) eg\$fls |xf|<

sg}Pp6f lg]>t 7fpff ešDkaf/f ePsf sDkg tyf Iftsf]gfkq}  
ešDksf]sDkg tj]tf xfl. ešDksf]cl3s]ba6f -Olk; G/\_ To; :yfgsf]  
b/L To; :yfgdf ePsf] r\$fg jf df6f\$fl:ylt tyf ešDksf]kl/dfOfsf]  
cfw/df ; fdfotof Olk; G/af6 hIQ 6f9Puof]plQ sDkg tlatf  
sd xB}hfg]ub\$ . ; zflwt d\$]Nn tlatf kl/dfOf (Modified  
Mercalli Intensity Scale) sf]cfw/df kfoz]MgflkG5 . cG dkkf]f  
-Pd= P; = s± dkkf](MSK Scale) klq křngdf 5 .

---

!!\_ sğ kşf/sf]cgej xflēšDk <

ešDksf]klxnf]; s}tsf]?kdf axwf hf/bf/ eršsf nfU / To; kl5  
eld 8udluPsf]h:tf]xG, t}kZrft To]ult centla xG jf eršsf  
eng 7hf]xG .

!@\_ ešDkaf/]k}fg'dfg ug{; lsG5 <

s; /L ešDksf]k}fg'dfg -x}fSxk|/ slt kl/df]sf] ug]eGaf/  
sg} j}l}gsdf lfg 5g, g t lgs6 eljiodf sxN}To:tf]lfg k}t  
xg]cfzf ltg}x? U5g\

!#\_ ešDklo df} d eG]s}xL5 <

ešDklo df} d eG]s}xL5g\ ; a}kşf/sf df} ddf, jifšf]sg}klg  
Ctdf jf sg}dlxgf cyjf l}gsf]sg}klg ; dodf ešDk xg ; S5 .

!\$\_ g}k}fndf lsg ešDkx? xg]u5g <

g}k}fn o/] ; og k}š -ef}leš ev08\_ tyf ef/tlo k}šf]hf]g]dflly  
cjl:yt 5 . oLb0{k}šx? x}š ; o jifdf @ld6/sf b/n]Ps cfsf]t/  
; /x}šf 5g\ of]ultleG}tfn]k}j}Lleq ršfgdf r}k}sf]; i6 u5{  
To]r}fk a9b}uPk5 ešDkaf/f dfq To; sf]lj; hğ xG . g}k}fndf  
o; kşf/n]dfq ešDk xG .

!%\_ g}k}fndf k6s-k6s slt ešDk xg]u5g <

g}k}fndf axwf ešDk xg]ubš . u0}gf cg! f/ ; g\ (!! / !((! a}r  
g}k}fn tyf g}k}fnsf]; ldfaf6 !)) ls=dLsf]lf]leq lgDg kşf/n]  
ešDkx? eP .

%-^ /S6/ kl/df] dfqdf ešDk c}ft b0}j i}df

^-& /S6/ kl/df] dfqsf ešDk c}ft k}f j i}df

&-&% /S6/ kl/df] dfqsf ešDk c}ft cf7 j i}df

&-%\* /S6/ kl/df] dfqsf ešDk c}ft r}fn; j i}df

\* /S6/ e}bf a9Lkl/df] dfqsf ešDk c}ft cl; j i}df

; Dat\ ( () df \*# /S6/ kl/df] dfqsf]; a}e}bf kl5Nf]dxfešDk  
uPsf]lyof]eg]@) \$% ; fndf k}j}g}k}fndf den}nf --^-& sf]:s}h\_ sf]  
ešDk uPsf]lyof].

---

!^\_sf7df08f}pkTosfdf clxn}ešDk uPdf s |xfhf <

; Dat\!( () sf]tlatf dfqsf]h:t}ešDk ePdf xg|xtfxt / Iftaf/  
@)%& ; fndf sf7df8f}pkTosfdf ul/Psf]cWog cg! f/ -  
\$),)) dflg; sf]dTo'xg ; Sg]  
(%)) dflg; 3f0t]xg ; Sg]  
) ,))))) dflg; 3/af/ljxlg xg ; Sg]  
; š8f ^) 3/ d/Ddt xg}g; Sg]u/LIftu;t xg ; Sg]  
kfglsf gn ; š8f (% Iftu;t xg ; Sg]  
ljBt ; jfsf nf0g / pks0x? ; š8f \$) W:t xg ; Sg]  
6lnkufg PS; r0h Joj:yf / nf0g ; š8f ^) W:t xg ; Sg]  
khx? dW]; š8f ^) ešDk nuQ}cfj fudgsf nflu lgikofhg xg]  
-Iftaf/]oLcgdfgx? sf7df08f}pkTosf ešDklo hflvd Aoj:yfkg cfohgfsf  
kšfzga6 pbwł ul/Psf xg\ o:tf cfs8fn}ešDklo hflvdsf]d0fd0Llrq0f  
dfq u5g\ cf]lgtgsf]k0f0 Iftsf]As6fgLdfqf?kdf lng'xbg\

!& Tolt a9tf Ift lsg xg|<

s0fs/0fx? 5g\ dVo sf/0fx?df btultdf a9bf]hg; Vof, pkTosfdf  
ju/ ofhgfsf/ clgolqt ljsf; sfo{ckofft efts kjfw/, 3/sf]  
l8hf0gdf ešDklo ; /Iffsf t]jx?sf]cefej, lgdf0f ; fdulsf]u0f:t/df  
sdLPj+cszn lgdf0f kš0f cflb dVo xg\ Iftaf/]pRr cgdfg  
ugkglyk sf/0f x|] ešDklo r]gfsf]tyf hflvd 36fpg]ofhgfx?sf]  
cefej jf c; Ifd sf0f]og .

!\*\_ešDk ; /Iff lbj ; s |xf|<

; Dat\!( () sf]dxfešDksf]:d]tdf gkfn ; /sf/n]df3 @ ut]h0f  
ešDk ; /Iff lbj ; sf]?kdf 3fif0ff u/\$f]5 . of/]fi60 sfoqnds]  
gt]j dfgglo uš d0lsf]cWlftdf /xšf]ešDk ; /Iff lbj ; /fi60  
; ldtaf/f ul/G . ešDksf]vt/faf/]hgtfn]yxf kfpq\ cf gf  
; /Iffsf ; DaGwdf ltgn]s]jug{; S5g\eg]lae8g\tyf t0eg; f/ ubf  
hfpq\egLx/\$ jif{k0zgL, ehf, ufl7x? h:tf sltko ultlj lw?sf]  
cfohg ul/Gg\ ešDk ; /Iff lbj ; sf ultlj lw?df sltko /fi60  
/ c0/fi60 ; /sf/Ltyf u}-; /sf/L; 3 ; yfx? ; xefuLxGg\

!( \_ešDksf]nflu cfmh/ ckn]f]kl/jf/n]s]s; /Ltof/Lug{  
; lsG5 <

ešDksf]kj {tof/lsfnflu ug{ lsg]sfd ol  
xg\M

!\_ ; Í6sfnlg kfl/jfl/s ofhgf tof/Lu/L  
sfof] og ug].

@\_ ešDk hff JolQmt ; /lffsf]nflu s]ug{  
k5{eGaf/]klxn]g}yxf kfp].

#\_ ; Í6sfn lgldt cfjZos kg]j :tx? ; wu/L  
æck]sfnlg afs; ÆenK6'erhf (Go bag)  
sf]?kdf tof/ /Vg].

\$\_ lgoldt?kdf ddξ ; ef/ u/Lcf^gf]3/nf0{  
; /lft /Vg].

%\_ cf^gf]3/nf0{ešDk kl/f]ys u/L  
agfpg].



@\_ ; °6sfnlg kfl/jfl/s ofhgf s; /Lagfpg<

!\_ cf^gf]kl/jf/sf ; a} ; b: onf0{ešDksf]  
vt/faf/]atf/ ; Í6sfnlg ofhgaf/]5nkm  
ugxf] \



@\_ 3/df / sfof]odf klg k]b} sf]sf ; /lft  
/ c; /lft 7fp^af/]klxrfg ugxf] \ h:tf]  
k]g^/x? dlG/, leqLkv]nsf ; u} 9f]sf  
rf]6x? / ; xfos v]af? gh]s}sf 7fp^  
; /lft 7fp^g\ d]sf kb{p]d]sg]; æGf  
; lhnf]af]af/]klg 7x/ ugxf] \



#\_ cf^gf]3/af]x/ klg ; /lft 7fp^f]7x/  
ugxf] \ h:t]B/x? / ?vx?, 6]nkrf] /  
lahh]sf tf/cflba6 6f9f l/St d]fg?  
; /lft 7fp^g\

\$\_ z\ jf b\z afx/sf sg}gtbf/ jf ldqnf0{  
 ; s6sfnlg cj:yfdf cf gf]kl/jf/sf]; lks{  
 s\bxg cfux ugxf] \ kl/jf/sf ; b:ox?n]  
 ckm3/ hfg ; sgg\jf 3/l; t 6]nkrf]g  
 ; lks{ug{; sgg\eg]ltlgx?n]o:tf]; lks{  
 s\|dfknt ; dfrf/sf]cfbfg kbfg ug{; Sg]  
 5g\



%\_ ešDk hfbf s]ugaf/]kl/jf/sf kToš  
 ; b:onf0{l; sfp'gf] \ klt hfgsf/lsf  
 cfw/df cfjZos cEof; ugxf] \

^\_ 3/leq kfgL, lbf; tyf ljBt ckltsf dVo  
 >ftnf0{slxn]/ s; /L aG ug{eGaf/  
 kl/jf/sf kToš ; b:onf0{l; sfp'gf] \  
 lahhL / kfg]sf] nf0gnf0{ cf gf] 3/  
 sDkfp08sf]kj ž ljGdf g}aG ug{; Sg'  
 nfesf/LxG .



&\_ cf gf] 6fhdf jf ghstd 7fpff /xšf  
 bdsn, kx/L c88f / ; Ī6sfnlg pkrf/  
 s\bx?sf ; fy; fy}; Ī6sfnf s; n]; xfof  
 ug{S5 eG]s'x? Vfxk0(/Vgxf] \ pbfx/Of  
 lgDt l5dšsf]sg}lr]sT; s .



\*\_ 3/sf afn- afnsf, a\ / ue]tLdxnfsf]  
 ; /lfsf nflu ljzif cfjZostf cg' f/ ljzif  
 ofhgf ugxf] \

(\_ ; Ī6sfnlg cj:yfdf kofu ug{kg{Sg]  
 dxTj k0f{ 6]nkrf]g gDa/x? 6]nkrf]gdf  
 jf 6]nkrf]g glhs ; a]b]g]u/L 6fF]  
 /Vgxf] \



!)\_ ; s6sfnf cfjZos kg]j:tx? hDdf  
 kl//Vgxf] \ kToš ^ dlxgdf tLj:tx?nf0{  
 gof]k]gf] \ sfonof; d\ tLj:tx?  
 /Vg]ugxf] \



!!\_ ; s6sflng cj:yfdf 6lk l6k/ ; lhnk; t sbx  
 ; lsg|u/L; s6sflng emhf Tfof/ kfgxf] \  
 cf gf]3/, sf/ / sfofno lgldt Ps Ps j6f  
 emhf cyjf ; s6sflng afs; agfpgxf] \  
 kTo\$ ^ dlxgdf tL kf\$fx? Jff afs; sf  
 ; fdgxf? kngxf] \  
 !@\_ kfylds pkrf/ k4lt l; Sgxf] \  
 !#\_ ; lsG eg]cf gf]3/df clg ; r's306L(Fire  
 Alarm) oG tyf clgzdg oG /Vgxf] \  
 tyf ltgsf]pkofu k4ltaf/]l; sL c?nf0{  
 l; sfpg'xf] \  
 !\$\_ cf`gf] ; s6sflng kf/j fl/s ofhgf /  
 afnafnsfsf kf7zmfxf? Pj +5/15d\$sf  
 ; I6sflng ofhgxf?alr c]Zos tfndh  
 ldnfpg'xf] \  
 @!\_ 7hf]e\$Dksf]; dodf dh]s ]ug{  
 !\_ 3/ leq /xg'ePsf]5 eg]M  
 -s\_olb tkf0\$]3/ sfF]06 jf df6\$]h8fgdf  
 ag\$]5 eg]M  
 -!\_ 3/ cuff8sf]; 8s 3/sf]pF06Gf kn]nsf]  
 5 eg]dfg  
 - aflx/ hfgxf] \  
 - rf\$ h:t]7hf 7fpEkn]n]gxf] \  
 - ; w}; 8ssf]alrefudf /xgxf] \  
 -@\_ 3/ 5]psf]; 8s ; fB/]5 eg]  
 - leq)a:gxf] ,aflx/ ghfgxf] \ sf]7fdf  
 kln]g}kxrfg ul/Psf]; aGof glhssf]  
 ; /Iift 7fpE/ hfgxf] \ 6f]psf]h]f]fpg]  
 u/Llgx/g'xf] ,c]knt5]kg'xf] \ Tbx+



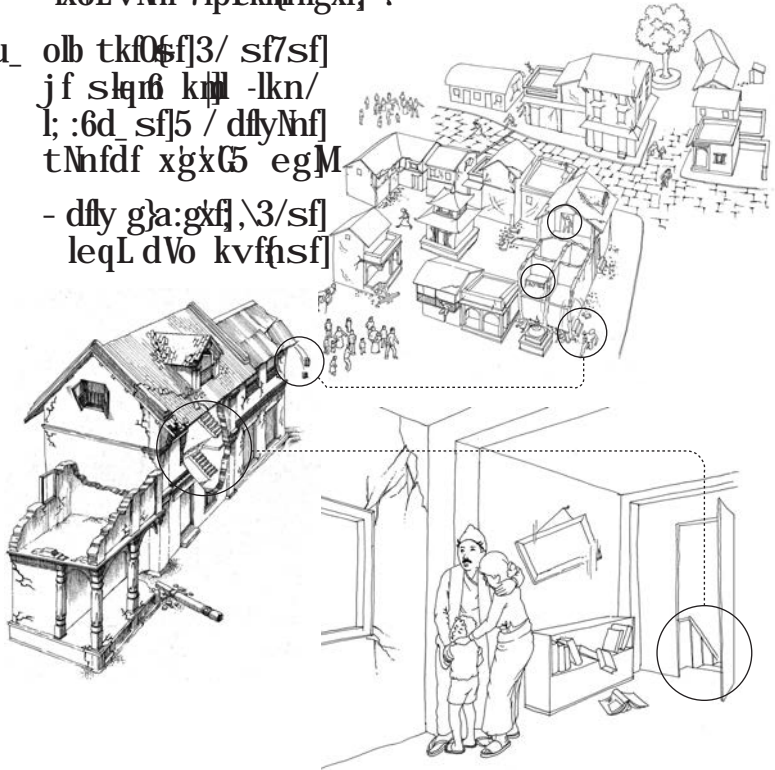
/xgxf] \. ; lsG eg] sg} 6h dIG/ k:gx] \ Tolx+  
 /xgxf] \ cf g]lz/ / cf]sf]; /Iff ugxf] \ 3/sf]leqLdVo  
 kvf]sf]5pdf cft nlf]xf] \ %ofna6, ef/Lkngf/af6 cyjf  
 ckdly v:g ; Sg]j :ta6 69f hfgxf] \ 8/nfb]7fpF7xl/Psf]  
 efg; f sf]fa6 afx/ lg:sgxf] \ 3/ xln/xsf]; dodf e/ta6  
 tn gbf]8gxf] \cyjf 3/af6 afx/ ghfgxf] \

-v\_ olb tkf]sf]3/ l; d]sf]h]f]df 06f jf l; d]6 Ans jf  
 5f]6Psf]9ufn]ag]sf]5 egM

- dlyNf]tNfdf xg]G eg]tNf]tNf tkngbugxf] ,\a?  
 dly @! -s\_ df eg]cg; f/ ugxf] \
- e0]tNfdf xg]G eg]3/ afx/sf]; 8s 3/sf]pFf]0(eGf  
 kn]snf]5 eg]dfq 3/ afx/ lg:sgxf] \ ; 8ssf]alrefua6  
 lx8LvNf 7fpEkn]hfgxf] \

-u\_ olb tkf]sf]3/ sf]sf]  
 jf slq6 kn] -lkn/  
 l; :6d\_ sf]5 / dlyNf]  
 tNfdf xg]G egM

- dly g]a:gx] ,\3/sf]  
 leqLdVo kvf]sf]



5pdf cft nlf[xf] \ tyf dfly @! -s\_ df  
eg|cg; f/ ugxf] \

- e0ft Nhd f xgXG eg]afx/ lg:sgxf] \  
/ ; 8ssf] a lrefuaf6 lx8L vNhf  
7fpEknf[nf]gxf] \

@ 3/afx/ xgXG eg]M



cLhf 3/x?, zIQzfnL lahhIsf tf/, ?v /  
cfkrdly v:g ; Sg]cG sg}klg s/faf6 6f9f  
hfgxf] \ zx/df xgXG eg]sbflk 3/leq  
gk:gxhf, a? alnof]b]vg]9f\$ f dlt/ pleg'  
xf] \ ; fB'/f] ; 8s jf uNnL eP/ glx8g'  
xf] \

#\_ df6/ xfb}xgXG eg]jf afxgdf xgXG  
eg]M



lj :tf/ /f]sgxf] \ jf /f]g nufpgxf] \ ; 8ssf  
j fxg cyj f 3/x?af6 cf gf] afxgnf0{ k/  
nhfgxf] \ kh jf ?v, lahhIsf vDaf jf ; r'gf  
kf6Ldlt/ g/f]sgxf] \ ešDk g/f]Sgh afxgsf]  
9f\$ f vfn cf gf]afxgleq}a:gx] \ ; se/  
uf8Lgrnfp'xf] \ t/ st}knLuf8Lrnfp'g'  
k/\$f]v08df dfq ; 8sdf k/\$f kn6fx?, 9n\$ f  
3/x? / 9Ef jf ?vaf/]xf]zof/ /xgxf] \

\$\_ kj {lo Onsfdf xgXG eg]M

r\$fg, klx/f jf ?vx? af/] ešDksf]w\$sf]jubf{  
vl:sg ; Sg]cGaf/]xf]zof/ xgxf] \



@\_ ešDk uPk15 dh]s lug] <



!\_ cj lzi6 w\$sf (aftershock, cf^6/zs\_ lglDt  
tof/ /xgxf] \ cf gf]kl/jf/nf0{ ; /If lglDt  
klxn]v klxrfg ul/Psf]3/afx/sf]vhf 7fpE/  
nlgxf] \

@\_ cf'gf] 3/ leqsf ; s6fledv 7fpF?nf0{  
 hf'gxf] \ t?G}cfuf]lgefpgxf] \ v; }  
 kf]vPsf cf]flwx?, dl\$th, klj ngzIn jf  
 pQhs bjx?nf0{k5} jf c6 ksf/n]tx  
 nufP/ ; krf kfgxf] \ cfuf]lgefpg ; l\$Pg  
 jf ūf; rlxPsf]blvPdf 3/ 5fB aifx/ lgl:sg'  
 xf] \



#\_ 9f\$ f jf b/fh v]bf v:g ; Sg]j:tx? klt  
 ; fjwfg /xgxf] \



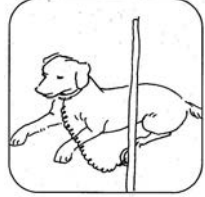
\$\_ efhg ; fduL Pj+kfgL cflkt{sf] hff  
 ugxf] \ l56}slxg]vfbnf0{klxn]tyf c18nf]  
 vfb ; fdu]nf0{kl5 vfg]u/Lrffif]ldnfpq'  
 xf] \ 9f\$ f /fd]; t ylgPsf]5 eg]kfh/df  
 /xsf]j:tx? sltdf b0bg lglD 7ls /xg]  
 u5g \ kfgLcflkt {alufsf]5 eg]kfgLttfpg]  
 lx6/ / j/knsf l9Ssf cflba6 kufnPsf]kfgL  
 vfp xG . 3/aifx/ dfq :6f, rNkf] bdrhf]  
 jf cuqf]; Nsfpg plrt xG .



%\_ e\$Dka/f e]tsPsf 3/-; Argf cflb leq  
 ylgPsf 3f0t{x?nf0{; Sbf]; xfof ugxf] \  
 sf0bf yxf ePdf kfylds pkrf/ k4ltsf]  
 pkofu ugxf] \ yk 3f0t]xg ; Sg]cj:yf  
 blvPsf{x?nf0{afx\$ udeL 3f0t]nf0{grnfpq'  
 xf] \ udeL 3f0t]sf]flu pkrf/sf]Joj:yf  
 ugxf] \



^\_ 3/ knj f jf 3/h'kzx?nf0{; /lft 7fpff  
 aifx] \ o:tf]; s6sfndf 3/ knj f hGtx?  
 ; d]df c; fdf6 Jojx/ b]vg]xgfn]; a}  
 hgj/af6 ; fawfg /xg'az 7x5{.



&\_ krf\$]Pgf jf w/fga6 xg]; e]lj t lftaf6  
 hflug ; se/ af\$nf]hQf nufpgxf] \



@#\_ ešDk kl5 dh]s ]ug{xbb} <

!\_ cfhwsf/s Pj +; fdbflos lg06 aq/ sg}3/leq gk:g]

@\_ krfšf Pgf ghssf sg}vnhf ešaf6 kfgLgvfg]

#\_ aG ul/Psf]5 eg]wbfFnf0{knLgvf]g]

\$\_ wbf rxPsf]5} eG]kSsf gxfpChh ; nfo{ nf06/, :6fē, lahhL pks/0fx? pkofti gug]gq eg]ltgix?af6 gl:sg]lenšfn]rxPsf wbf ; lNsP/ cfunful ; ? xg; Sgš .

%\_ cfwkrf/ jf cfunfulaf/]; Í6sfnlg ; řgf lbgf nflu afxš cf'gf]6]knkf]sf]pkofti gugxf] \

^\_ sg}ššfššInf0{ PSn}g5f8g' xfhf . ššfššll; t s'/fsfgL ugxf] \ a? ltgix?!; t v]gxf] \

&\_ dff/sf/ grnfpgfx] \ cfjZos 5 eg]kbn k8gfx] \,gq ; f0sn r9gfx] \

\*\_ arfp sfodf nfušfx?nf0{-:j o+:}sx?nf0{ cfnf]gf ug]jf ltgsf sfdaf/;j tMkn]lg06 gbgxf] \ s]xšsf ug{k5{eg]lgs}b?x l:ytdf ltgix? sfo{t /xšf xg; S5g\ a? pglx?sf]dgtan a9fpg] sfid ugxf] \

@\$\_ d 3/leq ylgP“eg]s ]ug}k

9nšf]3/df ylgg' ePsf]5 eg]gx8a8fpgxf] \ ; xfof lglDt glrPofpgxf] \ lj:tf}); f; knxf] \ cfkmařgš' eGdf ljZj; ugxf] \ ; š6dffg 6fhLcfPsf]5 eG]oslg ePdffq wfgfsif0sf nflu lrPofpg'jf l; l6 ahfpg'; ašbf /fd]pkfo xf].

@%\_ d/f lglDt s'g s'g ; °6sfnlg j:tx? cfjZos 5g <



!\_ cfuf]lgefpg]oGq

@\_ tkf0h]jf kl/jf/n]vfgkg]cf]lw?sf kofit hušf

#\_ lahhL, wbf / hn cfklt{aG ug] cfhf/ -ltgnf0{kln]g}sfid lngkg] :yfgd}/flv 5f8gfx] \

\$\_ kfylds pkrf/sf]afs; / ltgsf]køf]af/ k'ts jf lgb]zsf



%\_ kl/jf/sf]kl]JolQmk]tlbg]sf]nflu sld]df \$ ln6/sf]lx; fan]sld]df tlg]bg]sf]lg]dt kfg]sf] hu\$]f /fv]x]f] \



^\_ ; s6sfnlg afs; jf kf\$]df a\$-aG, r]f] glaug]efhg ; fdu] , -ls; ld; , 5f]f] cflb d; nf\_ gg, lrg]L, cG, Ro]f, nfv]d/L, bnd]f\$ cflb /fv]x]f] \ kl/jf/sf ljz]f ; b: onf0{ cf]Zos vfBj :t' -pb]x/Of lg]dt lzzx?sf] nflu wh]f] b]w aG]f]a :t ul//v]g gla; g] .



&\_ 3/af]x/ ef]hg ksfpg lg]dt cfl]fg, bfp/]ljf sf]nf, :6]e tyf sG]s]sf] kxF af]x/ /xg] u/Lt/n OG]wg h:t}d]st]h /fv]x]f] \



\*\_ leqLnuf, hQf, sf]nf] Av]f]f] h:tf ; fdu] /fv]x]f] \

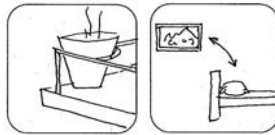
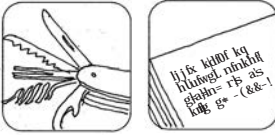
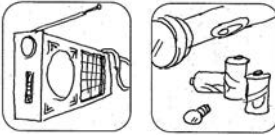
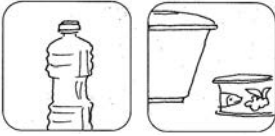
(\_ 6jfnG kl/, ; fag, lglh ; kn]sf] j :tx? cflb kl]g /fv]g'pQd 7x5{.

@^\_ ; ° 6sfnlg kf\$]f]j]f afs; eg\$]f]s ]x]f<

e\$]kk]5sf]; s6sfn]df tkf]0]f]0{ge}gxg]d]fy @% cf]k]z]gd]f n]v]Psf cf]Zos vfB tyf cG ; fdu]x? Gø]td df]qdf h]D]f u/L/fv]Psf]en]f jf Af]s; g}; s6sfnlg afs; xg\ Gø]td ; fdu] ; kts]f]en] l6k] b]ug{}; Sg]en]f g}; s6sfnlg en]f] x]leg]o:t}; fdu]sf]; u] u/L3/sf]; j]f]ws ; /I]ft 7fp]f] /fv]Psf]afs; r]f]f]; s6sfnlg afs; x]f]. oLj :tx? ; lhn]; t n]g ; lsg]en]f]df klxn] b]v]g}/fv]Psf xg'a] xG . ; s6sfnlg kf\$]f]f lg]dg a:tx? xg'a]z xG M

!\_ tk]0]j]f kl/jf/n]lbg]x'lng]u/]f]f] cf]f]w]x?sf kof]t hu\$]f





@\_ Ps jf b0{nl6/sf kfglsf aftnx?

#\_ Kofs ul/Psf l5§}gi6 gxg]efhg ; fdul  
h; df vfg]d; nfx?, Nfvfd/L ; Vff km,  
cGg, Ro/ix?

\$\_ Aof6kQm6r4QL/ yk rldx?

%\_ xn'sf /Bof]/ Aof6k

^\_ kfgLz4 ug]lghñ cfiw rSsx?

&\_ l6gsf ašf v]g]oG / rSs'

\*\_ hGd / lj fx kdfOf kq, /fxbfgL lj dfsf  
sfuhft, ašsf sfuhft / h?/L6]nkñf  
gDa/ n]vPsf kfl/jfl/s sfuhftsf  
kl'tlnlkx?

(\_ tk0sf]3/sf]gS; fsf kl'tlnlkx? -v]Ljf  
p4f/ sfo]glD logix? pkof]Lxg ; S5g\

!)\_ hušf ; fr'ix?

!!\_ ?køF

!@\_ l; l6x

@&\_ ešDkaf6 3/leq / aflx/sf ; fdgix?nf0{  
s ; /Larpg ; lsG5 <

!\_ 7hf, ef/Lj hgsf / 66kñf xg]j :tx?nf0{  
b/fhsf tMf v08df -vfkf yg]\_ /fvG].

@\_ a/08f / afbñlsf 6kaf6 udnfx?nf0{  
x6fpg].

#\_ t:jLx? / Pøfx?nf0{cñkñ; Tg]c]05ofgaf6  
6f9f en08fpg].

\$\_ lalupsf ljBt tf/ k0ffnL/ rlxPsf wE  
kfo{x?sf]cfj lws d/Ddt ug].

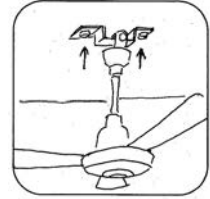
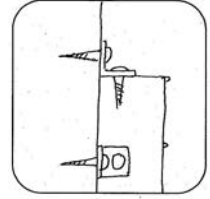
%\_ c!hf k!ngf / / cG ; fdfg tyf k!ts  
b/fh / /k!h/\$/x?nf0{leQidf alnofjul/  
lsNhf 7f\$!h8fg ug!.

^\_ laleG 6ffg\$/f / sf7÷k!fli6ssf k!\$x?  
pkof! u/Lk!ngf/, lahh!sf ; fdfgx?nf0{  
xlNng / ; g!f6 /!\$g].

&\_ b/fhx?df s!\$fs!n]v!ng g; Sg]!sl; dsf]  
k!\$s t!Nrf dfg].

\*\_ l; ln!-k!vf / k!\$fz pks/Ofx?nf0{  
l; q!nsf]k!of!af/f yk ; !f!sf ; fy afw/  
c8\$fpfg].

(\_ sl6gfzs cf!flw, dl\$th, Hj ngzIn  
kbfy?nf0{tk>f!af6 6f9f /!vg].



@\*\_ d s; /Le\$Dk k!t/f!L3/ agfpfg ; S5'< o; /L3/ agfpbf slt  
a9Lvr{nfU5 <

k!lj lwsx?sf]; N!fxdf g!k!nsf]ej g lgd!f ; k!t!df p!N!y eP ad!l!hd  
e\$Dk k!t/f!L3/ agfpfg ; lsG .

3/sf]; !rgf agfp!\$f]hD!d!L nfutdf ; os8f % b!v ! ) ; Dd  
yk vr{u/!f ; fdfG lj rf/ k!y!f0 agfOPsf g!k!nL 3/x?nf0{e\$Dk  
k!t/f!w agfpfg ; lsG . alg ; s!\$f 3/x?nf0{k!g ; os8f @% b!v \$)  
; Dd vr{u/Le\$Dk k!t/f!L agfpfg ; lsG .

@(\_ d!h]k!fylds pkrf/ k4!taf/]sxf!; Sg ; S5'<

g!k!n /!\$qm ; f] f06In]k!fylds pkrf/ t!n!d sfo!m! rnfpg]  
ub\$ . yk h!gsf/!sf n!lu ; Dks{ug!f] M

g!k!n /!\$qm ; f] f06L, s!l!b! sfo!no

/!\$qm dfu! s!nd!f6L, sf7d!f08] g!k!n

k!ngf g+!\$@) ^!), \$!\$!\$!^!, \$!\$!\*!&! (, \$!\$!#&#S

^!o!S; M!\$!&! (!% )



#) \_ ešDk klj lwaf/lyk hfgsf/Ldh]s xřäf6 kfpq ; S5' <

s{kof ešDk klj lw /fli6ø ; dfh- g{kfnsf]j ; f06 www.nset.org.np  
xg{kf] \

kToš zqmaf/ ck/fx @ ah]kl5 ešDk klj lw /fli6ø ; dfh-g{kfnn]  
ešDk klj/fws klj lw nufot tkf0{sf]3/nf0{s; /LešDk klj/fwL  
agfpg]lj ifoaf/]lgzNs ; Nfx ; jf pknAw u/fpg]u/{sf]5 . o;  
cGtuť tkf0{sf]xfnsf]3/nf0{; dť s; /LešDklo kg; 69Ls/Of  
(Earthquake Retrofit) ug{; lsG eG]af/]; dfhsf 0{Ghgo/x?n]; Nfx  
lbg ; Sgšg\ To; sf lglDt slDtdf b0{lbq cuf8 g}6]nkrf] gDa/  
%%(!)) df ; Dks{u/Leš cf} / ldnfpgxf] \ of]eš3f6 ubf{tkf0a]  
cf gf]3/sf]of]hg f jf gS; f cfm}u}Nofpg'k5{.

To; afxš ešDk klj lw /fli6ø ; dfh-g{kfnsf]; xof]udf sf7df8f]sf]  
/Bof]; u/dyf (FM 102.4 MHz) n]dEnaf/ ; fEm&M) ah]/ kfy/fsf]  
/Bof]cGgk0f{(FM 93.4.4 MHz) n]awaf/ laxfg &M) ah]lgoldt ?kdf  
ešDk ; laGwLhgrt]gf sfocm] ; řfng ul/xšf]5 . o; af6 klq yk  
hfgsf/L kft ug{; lsG . oL ba}kof; nf0{a9L nfebfos agfpg  
tkf0{sf]cdNø ; emj n]dxTj k0f{of]ubfg lbg ; S5 . o; sf]nflu ešDk  
klj lw /fli6ø ; dfh-g{kfndf ; emj ; dť ; Dks{ug{kf] \

yk k7gsf]hfgsf/L ; emj tyf ; dfhnf0{cflyš jf cGø ; xof]u  
k}ofpgsf nflu lgDg 7ufgidf ; Dks{ug{kf] \



ešDk klj lw /fli6ø ; dfh-g{kfn  
National Society for Earthquake Technology-Nepal (NSET)

kf]6 aS; g=#!##&&% ; j'uf]j = j 8f g=#  
e}kf6Lcf]f; Ifq, nlnrk/, g{kfn  
krf] M(&&-!\_%(!))  
^oIS; M(&&-!\_%(@^(@  
0{dh Mshet@nset.org.np  
j } Mwww.nset.org.np



ešDk klj lw /fi6ø ; dfh-gkfn

**National Society for Earthquake Technology-Nepal**

klj-g-!#&&% ;j' uflj =j 8f g+S, e)k6Lcfj; Ifq, nntk/ gkfn . klfj g=M (&&-!\_%(!)), knfS; g=M (&&-!\_%(@^@

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Fax: (977-1) 5592692, E-mail: nset@nset.org.np, Website: www.nset.org.np