

ms^{-v} (Food and Agriculture Organization : FAO) MZ `B`KK a^ti eb tm^{±t}i ch³ mnvqZv (Technical Assistance : TA) w^t tq AvmtQ e^tZ, Ask^ti vi I mnthM^t i gva^tg wek^tisK 1980-i `KK t^tK evsj vt^tki eb we^tlQK c^tKi mg^tn t^tKwU Uw^tK w^t tq AvmtQ, c^tKi ,tj vi gta^t i tqtQ: th^t_ eb e^te^tvcbv, ebKg^t i `Pzv epx I c^tK^tY, ebne^t w^tlQK c^tZ^tbi Mt^tel Yv I Dba^tb, eb c^tK^ti i gva^tg RweKvi Dba^tZ, Kve^t w^tl^tZ, eb epxi Rb^t ew^tYR^tK ebvqb, ebne^t w^tlQK ch³ I Z^t_ -ibv^t, Ges Rx^tek^tP ms^tY| Z^te Avt^t P^t Rx^tek^tP^t

e^t-2: c^tK^t i jcti Lv

c ^t K ^t i bvg	my ^t ieb Rx ^t ek ^t P ms ^t Y c ^t K ^t
tm ^{±t} i	KiI I c ^t K ^t ZK m ^t u ^t / c ^t tek I Rx ^t ek ^t P ^t
t ^t K ^t j MZ j ^t	c ^t ugK: c ^t tekki w ^t f ^t thM e ^t e ^t vcbv ; mnvqK: `wi ^t w ^t etgvPb
c ^t K ^t Dcv`vb	K: ms ^t Y Z my ^t i etbi Kv ^t ki msMVb; L: Rx ^t ek ^t P ms ^t Y Ges m ^t u ^t i tUKmB e ^t e ^t vcbv; M: c ^t ve-Gj vKvi Av ^t ngwRK Dba ^t b, N: B ^t K ^t -U ^t R ^t Ges c ^t tek m ^t PZbZv; O: ch ³ c ^t vgk ^t t ^t M ^t ox, w ^t q ^t Y Mt ^t el Yv Kg ^t RE; Ges P: eR ^t e ^t vcbv
G ^t W ^t e-i Zwj Kv ^t	1 Rj vB 1996
ev ^t evqb ms ^{-v}	ebnefM, c ^t tek I eb g ^t Yij q
A ^t _± ai b	tg ^t U 7 t ^t KwU 75 j ^t g ^t w ^t K ^t Wj vi , hvi gta ^t G ^t W ^t e FY 3 t ^t KwU 39 j ^t g ^t w ^t K ^t Wj vi , w ^t RBGd Ab ^t v ^t 1 t ^t KwU 22 j ^t g ^t w ^t K ^t Wj vi , tb ^t vi j ^t 31 j ^t g ^t w ^t K ^t Wj vi , evsj vt ^t k mi Kt ^t i i t ^t R ^t M ^t bv 1 t ^t KwU 56 j ^t g ^t w ^t K ^t Wj vi , G ^t BR ^t I t ^t i gva ^t g c ^t kg ^t mnvqK dvD ^t Ükb FY 68 j ^t g ^t w ^t K ^t Wj vi , G ^t BR ^t I mg ^t n i 19 j ^t g ^t w ^t K ^t Wj vi , Ges t ^t fv ^t vt ^t i w ^t KU t ^t K 38 j ^t g ^t w ^t K ^t Wj vi gj ev ^t RU w ^t Q ^t v 8 t ^t KwU 82 j ^t g ^t w ^t K ^t Wj vi , w ^t K ^t b ^t W ^t R t ^t Wfj c ^t g ^t U d ^t U Zt ^t i 45 j ^t g ^t w ^t K ^t Wj vi c ^t Z ^t vnvi Kivi dt ^t ev ^t RU nm ^t cq
ev ^t evqb P ^t	m ^t u ^t Y ^t c ^t K ^t U A ^t bK ^t ,tj v ev ^t evqb P ^t Øviv M ^t WZ, th ^t ,tj v nt ^t v: c ^t vgk ^t ch ³ mnvqZv (G ^t W ^t UG), AvBBD ^t lM ^t G ^t -Gi m ^t u ^t -vab ^t Rx ^t ek ^t P ^t h ^t Pb I gj ev ^t qb P ^t , c ^t kg ^t mnvqK dvD ^t Ük ^t bi P ^t Y ms ^t vb, fe ^t p c ^t ub g ^t W ^t j s t ^t K ^t KZ ^t c ^t ubm ^t s ^t Dba ^t b g ^t W ^t j s, -vbxq mi Kvi c ^t K ^t j w ^t fM (Gj w ^t RBW ^t) KZ ^t mg ^t o Dba ^t b I c ^t ve-Gj vKv ^t AeKv ^t tg ^t Kg ^t mp

c^tK^t i Rb^t G^tW^te FY Ges tb^tvi j^t w^t mi Kt^ti i G^tKwU Ab^tv^t bi m^tu^t wek^tis^tKi A^t 1998 mt^tj i 1j v g^tP^t(KvD^tY) Ab^ttg^t b Kt^t 1999 mt^tj i 1j v A^t_±vei w^tRBGd-Gi gva^tg Av^tfm| 1998 m^tj t^tK 2005 m^tj ch^t-G^tW^te-i A^t_±qt^t ^Z^t 70wU c^tK^t i Dibku^tU B w^tlq ØKwU Ges c^tK^tZK m^tu^t 0, hvi gta^t 7wU nt^t v ØFYØ RvZq| 2002-2003 A^t_±qi ch^t-w^tfb^tai^tbi c^tK^t i Rb^t evsj vt^t k G^tW^te-i w^tKU t^tK tg^tU 4 nvRvi 70 t^tKwU g^tw^tK^t Wj vi M^tY Kt^t | Z^te ev^tsk-b^tW^tg^tj v I ev^tevqb c^tx^tZi Kvi^tY evsj vt^t k ev^tevqb G^tW^te-i c^tK^t ,tj v L^teB mg^tjt^tW^tZ nq^t c^tK^t i -^Z^tQ^t A^t_±Y^tev^tl^tZ bv cv^t Ges gj D^tit^tk^t i c^tZ k^tx^tl^t j v w^tKvi w^tlq w^tlq G^tW^te-i wei^tfx^t Av^tthM I^tV| G^tW^te-i Zj bvg w^tRBGd-Gi Kg^tRE evsj vt^t k Kg^t | BiU G^tj vKv^t w^tZbiU c^tK^t i Rb^t w^tRBGd evsj vt^t k^tK Ab^tv^t w^tl^tQ^t 2 t^tKwU 54 j^t g^tw^tK^t Wj vi | GB w^tZbiU c^tK^t i gta^t BiU nt^t v Rx^tek^tP^t t^tK^t K | Ab^t c^tK^tU ev^tewqZ nt^tQ^t Avenvl qv cv^t eZB-t^tK^t K | G^tW^te-i Aw^t K mnvqZv c^tW^tj Z tekxi fM c^tK^t B (thgb, Lj br-h^tkv^t c^tub w^tl^tkb c^tpb^tmb c^tK^t, gaj^t B^tK^t-c^tK^tc^tK^t) m^tkj^t mgv^tR I ms^tke^tRb^tM^tox Øviv K^tW^ti f^tte mg^tjt^tW^tZ | tb^tvi j^t w^t mi Kt^ti i Aw^t K mnvqZv Ges G^tW^te F^tYi m^tu^t GK^t w^tRBGd-Gi A^t_±q^tZ GB Rx^tek^tP^t c^tK^t ^p^tZc^tivqY I Rbmavvi Y-w^tP^tZ b^tZi Kvi^tY e^t _q^tl^t qvq evsj vt^t k Zv K^tW^ti mg^tjt^t vPb^t gjL c^to|

tdw^tKm my^t ieb

ms^tY|Z my^t ieb (GmAvi Gd) ms^tY|Zi j^t g^tw^tK^t c^tK^t ^Z^t i Rb^t 1996 mt^tj G^tW^te Zvi evsj vt^t k w^tlQK mnvqZv c^tu^tK^t bvi

gta^t ch³ mnvqZv^tK A^t_±P^t Kt^t | c^tu^teZ c^tK^t i m^tu^tZv mg^tjt^t v c^tZ Kivi Rb^t ch³ mnvqZv w^tlqU A^t_±Ab^ttg^t b Kivi nq^t D^t m^tu^tvi c^tZt^t bU 1997 mt^tj i Rj vB g^ttm^t w^tl^tj Kivi nt^tQ^t v| 1997 mt^tj i b^tf^t g^ttm^t Pe^tS-c^tZt^t b `w^tl^tj Kt^t Ges Zv^t I c^tZt^t b ch³ P^tb ce^tPe^tS-c^tK^t c^tu^te c^tqb Kivi nt^tQ^t v| c^tK^t i j^t Q^t v Zv^t RvZq I Av^tSR^tZKf^te i^tZc^tY^t my^t iebtK ms^tY|Z Kivi Ges my^t i etbi m^tu^tZ A^t_±tj ^w^tl^t w^tl^tKi GB c^tK^t i Av^tZv gta^t i tqtQ, t^tM^tUv my^t ieb Ges Gi m^tu^tZ 17wU _vbw (my^t i etbi mxgvb^t t^tK 20

Kt^t w^tl^tvi ^i ch³, 35 j^t RbmsL^t v w^tl^tGB G^tj vKv^tK ej v nt^tQ^t Øcf^tie Gj vKv^t m^tu^t myeav gta^t i tqtQ, (GK) Aw^t R myeav ev^ti gva^tg `wi^t w^tetgvPb, (B) mgw^tRK AeKv^ttg^tvi Dba^tb, (Wb) m^tu^t e^tenvi Kv^t i msMVt^tb Dba^tb, Ges (Pv) m^tu^t e^te^tvcbvq ms^tu^te^t i AskM^tY^tK Drm^tvnZK^tiY, ZvQov i tqtQ mnvqK Av^tiv b^tvi ai^tbi b^tZg^tj v, w^tl^tKi f^tte my^t i etbi m^tu^t i Rb^t A^t_±ZK gj^t w^tl^tY|

c^tK^t ev^tevqb: D^tc^tW^tZ RbgZ I G^tW^te i Z^tSK Av^tP^t: my^t i etbi c^tK^t G^tj vKv^t emevmKv^t x^taviY g^tb^t Ges Zv^t i w^tl^tfb^tms^tvi D^t v^tM^tWZ Rx^tek^tP^t c^tK^t ^kR^tM^tox (Watch Group) b^ttg^t G^tK^tU msMVb Rx^tek^tP^t c^tK^t i mg^tjt^t vPb^tq me^tl^tg G^tM^tq Av^tfm, h^t i ^w^tl^t v, -vbxq g^tb^t t^tK m^tu^t3 Kt^t Rx^tek^tP^t c^tK^t i c^tK^tU v^tK^t bZb^tfv^te Kiv tn^tK | GB b^tM^tvi K t^tM^tox (1997) g^tb^t Kt^t, c^tK^tU h^t Av^tSKiZK^t m^tu^t c^tpb^tePb^t bv Kivi nq^t, Zvntj Gi dj nte tb^tZe^tP^tK | ^kR^tM^tox aviY, c^tK^tU my^t i etbi Rx^tek^tP^t nt^tmi | ^w^tl^t i gj Kvi Y P^tY Z Kt^t e^t _n^tQ^tQ ; ZvQov c^tK^t i c^tK^tU v^t i ev^tevqb m^tu^tK^t t^tM^ttb emevmKv^t g^tb^t i m^tu^t t^tKt^t v Kt^tAb^tv^t, Ab^tw^tt^tKt^t c^tK^t i e^tZv^t Rb^t Zv^t i ^vq^t Kivi nt^tQ^t|



cii Kí bv Kiv ntqQtj v th, cKí iU mvZ eQi (Rj vB 1998-Rj 2005) chS-Pj te, Ks 2000 mtj i gP®gvtm KvR ii" nI qui ci 2003 mtj i Rxe%P® cKí iU "MZ Kiv nq, Ges 2005 mtj i Rvbqwi gvtm Gwhe KZR AvbjwbKfvté GuUk ewZj Kiv nq| 2003 mtj i 4V fmP®x tGwhe me@l g FymhXzvi (eisj vt' k) AiaKviK tMZ Kti Ges "MZt' k cLvnvti i tP®t' Zb ai@bi KZ®Rjo t' q: (1) Gwhe-i wku MhYthM I cii gwRZ cii Kí bv Abjhqxi cKí -cii Kí bv ms@kvab Kiv; (2) Gwhe-i A®R e'e`vcv bmxZgj vtK Abjmi Y Kti cKt i nnme Zix; Ges (3) cKt i ,iZpY®FYP® t' k (crucial loan covenants) tg@b tbI qv| Gwhe-i GKU ch@j vPbv wgb 2004 mtj i At@ei gvtm eisj vt' k agtY Avt@ Ges Rxe%P® cKt i wgb iLZ enk®, t' j vP®yZ Kti: (K) eisj vt' k mi Kri cMz GB cKt i gwj Kvbi NwUZ iqtQ; (L) cKt i A®e`vcv Kt A® c@ab` `vb Kiv ntqQ; Ges (M) eisj vt' k

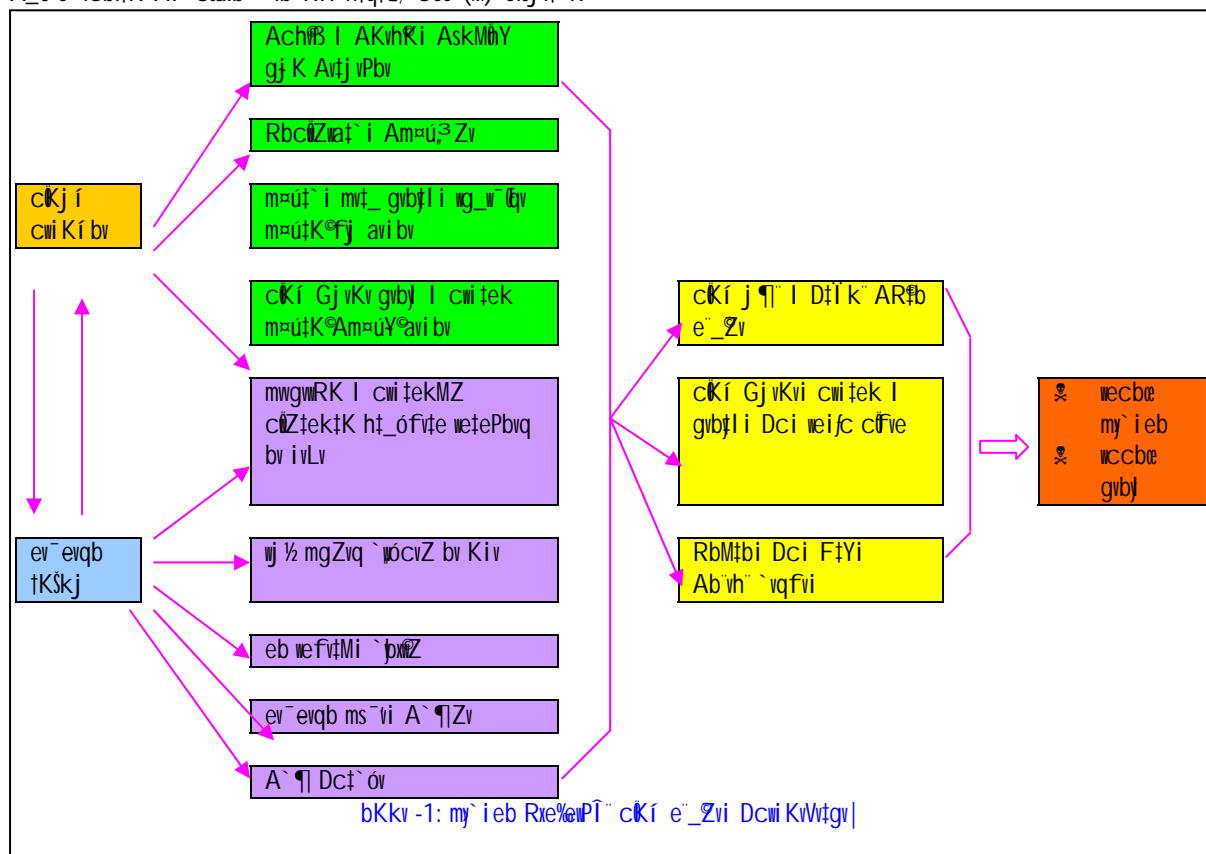
PZL®sk gvtm ev-e@qZ nq Ges gvtm GK-PZL®sk A_®Qio Kiv nq|



IPsio tNi

wecbœi tek -wecbœi SK RbtMñox:

cKt i c@Zi mg@q Gwhe-i Z@yeartb GKU cLwgK cii tek mg@q Kiv ntqQtj v | cKt i m@uKZ c@veK tmLvtb c@j fvté BiZerPK wetePbv Kiv nq, Ges cii tekki etov ai@bi tKv@b



mi Kv@i i m@/ Gwhe-i ga@ezXkj xb cKt ch@j vPbv mgqKvi m@/Z Abjhqxi my@eb e'e`vcv kvL vKv@b Kt@i b| Gwhe Avt@v Dj@ L Kti th, Rxe%P® cKt i `wqtZi _Kv m@P@t i m@/Z Nb Nb e@ij AZ®S-tegvtb Ges GtZ gtb nq, gvi vZK tKv@b ANUb NUtQ| Gme Kv@Y Ges mi Kv@i i m@/ZtZ tKt chS- Gwhe GB FY evZj Kti Ges mi Kv@i i Abjh@i@i cii c@ZtZ F@Yi Ae@qZ A_®Ab® GKU cKt (Emergency Flood Damage Rehabilitation Project) c@p@i Kiv nq|

m@/jx mg@Ri avi Y, H cKt i KZ®Ges cii Kí b@ZB `y®Zv ntj v| Ab@t K mi Kvi cLzte@t@ `we Kiv nq th, ev-e@qb c@Zi Kv@YB Rxe%P® cKt iU e@_®nq| Gwhe th Kv@Yi K_v Rvbq, Zv ntj v, 0ev-e@qb Kt@Z m@tq cKt iU cii Kí bv I A®e`vcv ms@v@-mgm@q cto| FYKtj i wZb-PZL®sk mgq A@Z@v@-ntj| 2004 mtj i wtm@tii tKt bvM cKt i GK-

wefc c@vei K_v ej v nq bv| cLwgK cii tek ci@q v m@i c@t@ R Kiv nq th, c@weZ mwgb@ KQy KvR Kg®cii tekki tci m@/e wefc c@ve tdj tZ cii | GgbUv@ wetePbv gta@ iLv nq th, Dckg c@uq@ m@/ben@ qui cii | cii tekki m@uY®Ab@Kj c@ve Aen@o cLZj c@vei th tKv@b GKU@K c@j Kti Zj tZ cii | thgb, cLwgK cii tek ci@q v m@i c@t@ j P® Kti th, IPsio P@l i Rb@ Acv@K vZ@te cKt tKt@ P®Y e@envi Kiv g@Swi ai@bi S@k| GB ai@bi S@k@i Rb@ cLzte@t@ wKQy Dckg c@uq@ m@/i Kiv nq, hvi gta@ itq@0 bZb cKt Kv@v e@Kiv Ges Ae@e@Z c@t@b cKt@K e@envi i Dch@p Kiv| Ks g@Rvi we@q, MZ®B®K@ ati we@k@ we@beg@ib@t@M@ eb@Atj i IPsio Pv@tKB e@bi Rb@ gvtj i Kiv metP@q t@ZKt Kv@v vP®yZ Kiv ntq _@K | we@b@cLzte@t@b t@K Rvb@ hq, IPsio Pv@l i dtj BKt@Wi, n@Uj@m, w@tqZb@q, g@j tq@kqv, _vBj@vU, Ggb@K evs@t@ki (thgb my@i e@bi PK@i qv) g@Zv A@bK t@ki g@vt@M@ eb@Aj a@sm ntq t@M@Q| Ggb cii YvZ m@E@l, cLwgK

c_it_ek c_ix_iv m_ic_i t_i etbi gta" P_sio P_tl i R_b c_Ki Lbb_tK g_iSwi ait_i S_Ki Ask w_im_i t_iK_iZ t_i l_i q_i n_i GBme P_sio P_tl B Z_t i K_il R_b I etbi ga_i K_i grm% P_t t_iK a_ism K_i w_i f_i"Q—Rbmwavi t_iYi Ggb avi Yv _vKv m_iE_i l_iF_i ms_i t_ij v Rxe% P_t c_Ki i g_ia_ig_i c_Ki-G_iv_i me_i P_sio P_tl t_iK Drm_inZ K_il R_b F_iY m_iZi Y K_il Avm_iQ_i m_i i etbi ga_i t_it_iK P_sio tc_ib_i aiv_i K_il t_iY R_b R_ix% P_t g_ii vZ_iKf_ite n_im_i cv_i"Q, GKBf_ite R_b j aiv cov_i dt_i At_iK c_RW_iZi g_iQ (c_lq_i w_iZ_iK_i) P_iZ_i n_iw_iq_i h_it_i"Q Z_iQov_i P_sio g_iQ_i R_b th ai_ibi c_jo c_lq_iR_b, g_iv_iM_if_i R_bl tmB GKB ai_ibi c_jo `i K_i | GB K_il t_iY P_sio P_tl g_iv_iM_if_i ev_i i m_i½ ØØ NUVq_i c_lu_ig_iK c_it_ek_i m_iu_iY_iAb_iK_i c_fve Aen_iK_i c_lZ_iK_i c_fvei th t_iK_il G_iKU_iK_i c_j K_il Z_il c_it_ei—GB avi Yv_i m_i½ Rbmwavi t_iYi w_iKU_i t_it_iK c_il q_i g_iste_i A_ig_i j P_iY_iq_i

mw_iRK D_cM_i, w_i½ e_ig_i I c_lZ_iK_i

c_lu_ig_iK h_iP_iBt_i g_ib_i K_il n_i th, c_fve G_iv_iK_i t_iK_ikt_i j w_iK_iel_iq_i c_lZ_i g_ib_ith_i Mi c_lq_iR_bq_iZv_i i t_iq_iO_i D_it_i l_i K_il n_i th, k_ig_iev_iR_bbi ga_i t_it_iK_i j w_iK_iel_iq_i t_ij v D_it_iV Av_im, thL_ib_i bvi x_i Z_il i m_ism_i K_iD_ib_iZ_i R_b c_jic_iv_i `vq_i, w_iK_iS_i Aw_iR_i e_iv_ic_i Z_il i f_ig_iK_i L_i mw_ig_ib_i | k_iZ_iiv_i c_lq_i 50 R_b bvi x_iB c_fve G_iv_iK_iq_i m_ism_i D_iC_iZ_i n_ie, h_iri gta" i t_iq_iO_i w_iK_iAv_iea_iR_i K_ig_iM_iP_i j t_i¶_i l_iF_iY_i As_iK_iM_iY_i mw_iRK c_lq_iR_b, m_ism_i i e_iq_i el_ix_iZ, thgb, Lv_i mu_iq_i ev_iw_i i w_i¶_iLi Li_iP_i R_b w_iR_b~D_irc_i b K_ig_iR_iE t_it_iK_iD_irw_iZ Av_iqi D_ic_i bvi x_i i h_ió w_ibq_išy_i m_io n_ie et_ij l_i ej_i v_i n_i w_iK_iS_i Z_ivi w_iQ_iB n_iq_ib_i | m_isi w_i¶_iZ_i my_i ieb G_iv_iK_i bvi x_i m_iet_iP_iq_i `j_i n_iq_i m_iE_i l_ic_Ki-c_iw_i i t_iK_iv_il bvi x_i i c_lq_iR_b, Ges Z_il i c_lo_i-Ac_iQ_i i w_il_iq_iK_i t_iK_iZ c_lv_ibi c_lq_iR_bq_iZv_i Ab_if_iZ n_iq_ib_i | Z_il e_iZ_ig_ib_i M_il_iY_iq_i c_lZ_iq_ig_ib_i n_i th, Rxe% P_t c_Ki i b_iK_il I ev_iev_iq_ib_i bvi x_i w_il_iq_iK_i c_lav_ib_i w_i t_iZ h_ih_i_e_i~M_iY_i K_il Z_iev_iK_i e_int_iq_iO_i

D_ct_i¶_iZ b_iW_iZg_ij v- K_ilK_iZ ev_iev_iq_i:

eZ_ig_ib_i t_i¶_i mg_i¶_iv_i c_iv_iP_i b_iv_iK_il R_bvi h_iq_i m_iavi b At_iK_i t_iv_iK_i GB c_lg_ic_Ki l_ib_i b_ig_i i t_ib_iOb_i | 10W_i c_lq_iM_ib_iZ_i l_iv_i w_iRBGd_iGi c_Ki ch_ij_iP_ib_i g_ic_iK_iW_ib_i¶_iR_i, Rxe% P_t c_Ki G_i, t_ij_i vi gta" m_ig_ij_i w_iZ_i P_iv_il ev_iev_iq_ib_i K_il Z_i e_i¶_ihq_i: (GK) c_lm_i½K Av_iR_iZK m_ift_ij_i t_ib_i m_i½ w_iRBGd_i K_ig_iR_iEi m_i½ w_il_iØZ K_il; (B) A-t_iM_icbx_i Z_iW_i i c_iw_iC_iK_il; (Zb) Rbmwavi t_iYi m_iu_i³Zv_i (Aw_ievmx I`vbxq Rbt_iM_i); Ges (P_i) w_ibq_ig_iZ h_iP_iB I gj_iq_ib_i | evsj v_ik_i mi K_il Ab_i¶_iZ ev_iev_iq_ib_i (Convention on Biological Diversity) gta" Rxe_iEx_iq_i m_iu_i I H_iZ_iñK Áv_ibi t_il q_iR_iwd_iK e_ien_ivt_ii t_i¶_iAt_iK_i, t_ij_i v_iK_iZ i t_iq_iO_i, h_imy_i i et_ib_i w_iRBGd_iGi K_ig_iR_iEi m_i½ c_lm_i½K, w_iK_iS_i g_ib_i n_i b_i th c_Ki t_im_i, t_ij_iv_iK_i i "Z_i l_it_iQ_i `vbxqiv_il R_bvi q_i th, Rxe% P_t c_Ki i t_iK_il b_iv_iK_iRC_il Z_il v_iK_il t_i¶_iL_ib_i | Ggb_iK_i c_Ki w_iM_il_in_iq_ii c_it_il, Rxe% P_t c_Ki i m_i½ m_iu_i½K e_iu_i `vij c_iAZ_iš-t_iM_icbx_i (thgb Aw_iW_il t_ic_iU_i) n_iq_i h_iq_i Ges w_ief_inx ms_il_i (thgb ebief_iM_i) w_iKU_i t_it_iK_i Z_il ms_iM_il_iK_il K_il b_iA_ ev_iAm_i n_iq_i c_it_il | Ggb_iK_i Gme c_il_iw_i Gi_iW_i-i w_iKU_i t_it_iK_i ms_iM_il_iK_il K_il K_il w_ib_i|

Gi_iW_i-i Z_il b_iW_iZt_iZ (1994) eY_il K_il n_i th, ðe_ivs_iK_i P_iw_ij_iZ n_ite g_ij_i I c_lekth_iM_i c_lZ_iòib_i w_int_im_ite Ges h_ir_i g_it_ib_i n_i th, m_im_i i t_ito_i t_i¶_iD_ic_it_i A_iev_i e_ist_iK_i tem_iK_i t_im_i i c_Ki t_ii A_i¶_iZt_i i D_ic_it_i w_iei_ic_if_ic_if_itd_it_iØ bv_i, Z_int_i Z_il m_iei_in_i K_il n_ite | Z_il m_iE_il_i GB e_ivs_iK_i t_it_iK_i A_it_ib_iK_i i "Z_i¶_ic_Ki-c_iW_i c_lq_iB_i `P_ic_iek_i" Ges `P_ic_icl_i" | G_it_iZ GB c_lq_ib_i D_it_iV Av_im: Rxe% P_t c_Ki i Ggb_i w_iK_io m_iZ w_iK_i Av_iQ_i, h_iv_i ... ðe_ist_iK_i m_im_i i t_i¶_i w_iei_ic_if_ic_if_itd_it_iZ c_it_iØ Ges Gu_i w_iK_i GK_il K_il Y, thR_b c_Ki l_i m_iu_iK_i¶_iZ_i c_KiK_i Ki_iZ Gi_iW_i Al_i"Q_i?

e_i-3: Rxe% P_t mb_i

w_il_i t_i¶_iR_bmi l_i-t_iZ 1992 m_it_ij_i M_ip_iZ Ges 157W_i t_ik_i t_i¶_iZ

Rxe% P_t mb_i Ab_ih_iq_i Rxe_iEx_iq_i m_i¶_iY n_i t_ij_i v_i:

Ø...Rxe% P_t i m_i¶_iY l_i t_iUKm_iB e_ien_ivt_i i R_b H_iZ_in_iK

Rxe_ih_itv_i A_i¶_i-Aw_ievmx I`vbxq Rbt_iM_ioxi Áv_b, D_im_ieb_i I

Av_iY_il_i Av_iBm_il_iZ K_il, k_iv_i K_il, m_i¶_iY_i K_il A_i¶_iYe_ilv_i

Ges tm_iB Áv_b, D_im_ieb_i I Av_iP_iY_il_i Av_iBv_i t_iK_il m_iu_i³Z_i v_i g_ia_ig_i G_i, t_ij_i ev_ivc_iK_i c_lq_iM_i ev_i, Ges GB Áv_b, D_im_ieb_i I Av_iP_it_i m_iØ_ien_ivt_i i g_ia_ig_i c_lq_i m_ije_iav_i b_iv_iqm_iZ_i Ask_il_i B_iz_i Z_il v_i [im_iew_iW, ib_iÜ 8 (tr)]

Rxe_iEx_iq_i e_iP_it_i t_iUKm_iB e_ien_i m_iu_iK_i¶_iRxe_iEx_iq_i e_iP_it_i m_iØ_ien_ijt_i tb Av_iiv_i ej_i v_i n_i th, h_iZ_il v_im_i Ges h_it_iZ_il v_if_ivt_i c_iv_i hv_i t_i¶_iK_il v_ii K_il Z_i n_ite:

Ø...m_iP_iW_i Z m_i¶_iZK A_i¶_im_i Ab_ih_iq_i Rxe_iEx_iq_i m_iu_iK_i¶_it_i c_lq_iM_i e_ien_ivt_i i m_i½ Ø_ien_ivt_i i m_i½ m_iu_iZC_iY_iØ [im_iew_iW, ib_iÜ 10 (im)]

Ø...thL_ib_i Rxe% P_t nm_it_ic_it_iq_iZ_i t_iØ_iq_iZ_i b_im_iev_iY_il_i R_b c_lq_iR_bq_iZ_i l_i v_ib_i | m_iZ G_iv_i D_ib_i l_i b_ig_i I c_lZ_il_i Z_il v_i t_iK_il b_iv_i t_ib_ib_i | Rxe% P_t c_Ki i c_lq_i t_iZ w_iZt_i f_ivt_i Aw_ievmx I`vbxq Rbt_iM_ioxi H_iZ_in_iK Áv_b, `¶_iZv_i, I c_lW_il_i m_iu_i e_ien_ivt_i i "Z_il v_it_i eb a_ism_i K_il b_iv_i R_b Z_il i v_iq_i K_il n_iq_iO_i | Z_il v_iev_iAw_i, Aw_ievmx D_ib_i c_il_iK_il b_iv_i ev_i t_iZ v_i Áv_b K_il K_il v_iq_ib_i:

eb mvevo n̄l qui ēvcv̄ti Aw̄ ev̄mx | ̄b̄q RbtMv̄ox̄ `v̄q, Z̄Qov̄ eb I et̄bi m̄út̄ i Dct̄ Z̄t̄ i AwaKvi eȲ K̄it̄Z̄ M̄t̄q̄ Ø̄_F̄eraK f̄lv̄ ēenvi Kiv̄ n̄q̄ ̄b̄q ḡb̄y tR̄t̄i m̄t̄z̄ R̄b̄q̄ th, ms̄i ̄Z̄ mȳ i eb āst̄mi Av̄mj K̄iv̄ Ȳ nt̄j̄ v̄ et̄bi ḡtā ̄ḡn̄o c̄mb̄ c̄lev̄ n̄m c̄v̄l q̄, j̄ eȲ³ Z̄r̄ tēto h̄l q̄, Ges̄ ̄p̄f̄Z̄M̄-ēb̄ KḡR̄Z̄Ø̄ i mn̄th̄M̄Z̄q̄ ev̄B̄t̄i ēem̄v̄q̄ l̄ m̄ēav̄c̄B̄ ḡv̄-w̄t̄ i ḡtāḡ et̄bi ḡā t̄-t̄K̄ t̄M̄j̄ c̄v̄Z̄ l̄ K̄t̄V̄ et̄ov̄ et̄ov̄ c̄P̄t̄i i N̄Ūb̄l̄ c̄w̄t̄ek̄ b̄t̄oi GBme m̄i m̄v̄m̄i l̄ c̄t̄i ̄Z̄ K̄iv̄ Ȳ b̄āf̄ Ȳ K̄it̄Z̄ c̄K̄i c̄f̄Z̄ c̄l̄z̄ēb̄ ē-n̄l̄ q̄q̄ Ges̄ eb̄ef̄v̄M̄ ̄p̄f̄Z̄ ms̄juv̄-w̄l̄q̄, t̄j̄ v̄ Z̄t̄Z̄ w̄b̄t̄ R̄Z̄ b̄v̄ n̄l̄ qui A_-n̄t̄j̄ v̄ m̄l̄v̄ c̄K̄i c̄v̄i K̄i b̄v̄q̄ ̄b̄q̄ ḡb̄t̄l̄ ī ̄w̄f̄i ̄t̄K̄ w̄ēt̄P̄b̄v̄ b̄v̄ t̄b̄l̄ q̄, R̄x̄ēP̄t̄ c̄K̄i 8 (R), 10 (m) l̄ 10 (m) ms̄L̄K̄ w̄b̄et̄Ǖi c̄Z̄ m̄s̄ȳb̄ t̄-L̄t̄Z̄ ē-P̄ Ḡj̄ v̄K̄i ḡb̄t̄l̄ ī m̄t̄j̄ v̄, R̄x̄ēP̄t̄ c̄K̄i ḡtāḡ Ḡj̄ v̄K̄i ḡb̄t̄l̄ ī R̄b̄ eb̄R̄ m̄út̄ ī w̄P̄v̄m̄i Z̄ ēenvi ēŪ K̄i t̄-l̄q̄ n̄t̄q̄t̄Q̄ Z̄v̄i ḠŪi Ab̄f̄e K̄i th, R̄x̄ēP̄t̄ t̄K̄ t̄ŪK̄b̄ K̄iv̄ Ges̄ ms̄i ̄T̄Ȳ K̄iv̄ R̄b̄ M̄p̄x̄Z̄ c̄K̄i ī m̄x̄S̄-M̄Ȳ ch̄f̄q̄ Z̄t̄ ī Ask̄M̄b̄Ȳ Q̄t̄j̄ v̄b̄l̄ R̄x̄ēP̄t̄ c̄K̄i ̄Ūj̄ j̄-t̄ī ḡtā ̄m̄ȳ īeb̄ ḡv̄b̄t̄M̄f̄ ĀĀt̄ t̄ŪK̄b̄ ēenvi c̄x̄Z̄ c̄Z̄Ø̄ K̄iv̄ K̄i v̄ ̄v̄K̄t̄j̄ l̄, R̄b̄m̄v̄i ̄Ȳi avi Ȳ Ab̄h̄v̄q̄, Z̄v̄i K̄v̄r̄ w̄t̄j̄ v̄ m̄āȲ³w̄ēc̄īx̄Z̄ c̄K̄i ī c̄Z̄Ø̄ l̄ c̄t̄īP̄ D̄f̄q̄ āīt̄bī c̄f̄v̄teī dt̄j̄ Āw̄aK̄sk̄ eb̄R̄ m̄ú̄ n̄m̄ t̄c̄t̄Z̄ īī K̄īt̄Q̄ Ges̄ GL̄t̄b̄v̄ Z̄ n̄m̄ c̄v̄t̄Q̄

Aw̄ ev̄mx RbtMv̄ox̄ m̄s̄-w̄Z̄K̄ l̄ t̄s̄-K̄ m̄út̄ ī AwaKvi m̄út̄K̄ ḡv̄Z̄q̄ t̄N̄l̄ Ȳi c̄Z̄ m̄s̄ȳb̄ t̄-L̄t̄Z̄ c̄K̄i w̄l̄ ē-n̄t̄q̄t̄Q̄ |

eb I ev̄-ev̄q̄K̄v̄i ms̄-v̄i P̄īt̄ ḡj̄ w̄q̄t̄ ē-Z̄v̄:

w̄et̄k̄i mēP̄ ḡv̄b̄t̄M̄f̄K̄ m̄ēn̄aK̄ Drc̄v̄b̄k̄j̄ ḡt̄b̄ K̄iv̄ n̄q̄ _v̄K̄, t̄m̄B̄ m̄t̄z̄ ḠŪt̄K̄ m̄ēP̄t̄q̄ ̄p̄f̄ c̄w̄t̄ek̄w̄b̄v̄m̄ w̄ēt̄P̄b̄v̄ K̄iv̄ n̄q̄ (Āv̄j̄ w̄l̄, 2002; K̄d̄, 1992) | D̄-f̄-c̄K̄iZ̄K̄ Aē-v̄b̄ (geo-hydro-physical location) | AZ̄w̄aK̄ ēenvi ī K̄īt̄Ȳ c̄w̄exī Āb̄īb̄ ḡv̄b̄t̄M̄f̄ī ḡt̄Z̄v̄ ̄m̄ȳ īeb̄ ḡv̄īv̄Z̄K̄f̄teī ̄ūḡīK̄ ḡt̄L̄v̄ḡl̄ ēv̄s̄K̄ Z̄v̄i c̄w̄t̄ek̄ b̄w̄Z̄t̄Z̄ ēt̄j̄, 0...ḠW̄iē Ā-q̄t̄b̄ m̄āt̄ē c̄K̄ī w̄P̄ȳZ̄ n̄l̄ qui m̄t̄z̄ m̄t̄z̄B̄ ḠW̄iē-ī c̄w̄t̄ek̄ h̄v̄P̄b̄ c̄l̄q̄v̄īī n̄q̄, Ges̄ ḠW̄iē ev̄ Z̄v̄i m̄n̄th̄M̄x̄ th-B̄ Ā-m̄n̄v̄Z̄v̄ w̄K̄ b̄v̄ t̄K̄b̄, c̄K̄ī ī h̄v̄Z̄q̄ Dc̄v̄-w̄b̄t̄K̄ w̄ēt̄P̄b̄v̄ ḡt̄ā īv̄l̄ n̄q̄ ḠW̄iē-ī c̄w̄t̄ek̄ h̄v̄P̄b̄ w̄b̄q̄ Ab̄h̄v̄q̄ F̄ȲM̄b̄x̄Z̄v̄ ev̄ L̄Z̄K̄b̄ c̄w̄t̄ek̄ h̄v̄P̄b̄ K̄iv̄ R̄b̄-`v̄q̄ c̄K̄ī w̄l̄q̄K̄ h̄v̄P̄b̄t̄q̄ īm̄w̄īK̄ er̄-ev̄q̄b̄ K̄īt̄Z̄ī L̄Z̄K̄ ev̄ā ̄ḠW̄iē-ī c̄w̄t̄ek̄ b̄w̄Z̄, Ab̄j̄'Q̄ 53) | ēZ̄ḡb̄ M̄t̄ēl̄ K̄t̄ ī R̄b̄v̄ḡt̄Z̄, R̄x̄ēP̄t̄ c̄K̄ī L̄Z̄K̄ ev̄s̄j̄ v̄t̄ k̄ m̄ī K̄ī t̄K̄t̄b̄ āīt̄bī ̄c̄w̄t̄ek̄ h̄v̄P̄b̄ c̄l̄z̄ēb̄ c̄K̄ī K̄t̄īb̄ R̄x̄ēP̄t̄ c̄K̄ī m̄út̄K̄-`v̄b̄q̄ ḡb̄ȳ l̄ m̄ḡv̄R̄K̄ḡf̄ī m̄āv̄īȲ m̄ḡt̄j̄ v̄P̄b̄ n̄t̄j̄ v̄, ̄m̄ȳ īet̄bī m̄t̄z̄ m̄āūK̄Z̄ ḡj̄ m̄ḡm̄v̄, t̄j̄ v̄ (thgb̄ `v̄l̄Ȳ-c̄w̄ḡv̄Āt̄j̄ ̄ḡn̄o c̄mb̄ c̄lev̄ n̄m̄, ̄m̄ȳ īx̄ M̄t̄Q̄ī ḡv̄-ḡīv̄ t̄īm̄, ev̄t̄Nī ḡZ̄ī, m̄ḡM̄Z̄ b̄-x̄f̄īv̄ c̄ēȲZ̄v̄ c̄f̄Z̄) w̄b̄t̄R̄ K̄īt̄Z̄ Ges̄ c̄w̄t̄ek̄w̄b̄v̄ī m̄s̄n̄w̄Z̄t̄Z̄ m̄āt̄ē ̄ūḡīK̄m̄ḡn̄ w̄P̄ȳZ̄ K̄īt̄Z̄ c̄K̄ī b̄K̄v̄ ē-n̄t̄q̄t̄Q̄ |

ēv̄C̄K̄ ̄p̄f̄Z̄ī R̄b̄ eb̄ef̄v̄M̄ ̄p̄f̄ īt̄q̄t̄Q̄, Z̄v̄i ḠŪi c̄Z̄v̄k̄v̄ K̄iv̄ L̄B̄ m̄z̄ w̄t̄j̄ v̄ th, c̄K̄ī b̄K̄v̄ī c̄f̄Z̄ ch̄f̄q̄ ̄p̄f̄ `ḡb̄ K̄iv̄ R̄b̄ h̄v̄h̄ ē-ēv̄l̄ ī īv̄K̄ēp̄-v̄K̄t̄ē | W̄K̄S̄ ī m̄n̄R̄b̄K̄f̄teī c̄f̄Z̄ c̄l̄z̄ēb̄t̄ī ḡt̄ā ̄p̄f̄ `ḡb̄ K̄iv̄ c̄-t̄f̄c̄ ī Z̄v̄i ē-v̄c̄b̄v̄ m̄út̄K̄b̄x̄ī ēZ̄v̄ī c̄v̄j̄ b̄ K̄iv̄ n̄q̄ c̄K̄ī ē-ev̄q̄b̄ eb̄ef̄v̄M̄ ev̄ā t̄q̄, GB Āv̄f̄t̄h̄t̄M̄ 2003 m̄t̄j̄ ī t̄m̄t̄P̄-t̄t̄ ḡt̄m̄ ḠW̄iē c̄K̄īt̄Q̄t̄K̄-M̄Z̄ K̄ī Ges̄ 2005 m̄t̄j̄ ī R̄b̄v̄ḡīī ḡt̄m̄ c̄K̄īw̄l̄ ew̄Z̄j̄ K̄iv̄ n̄q̄ b̄v̄M̄ī K̄ī m̄s̄M̄b̄m̄ḡt̄n̄ī Āt̄j̄ v̄P̄b̄q̄ t̄-L̄v̄ h̄v̄q̄ (thgb̄ R̄x̄ēP̄t̄ c̄K̄ī `k̄t̄M̄v̄ō, ev̄s̄j̄ v̄t̄ k̄ m̄k̄x̄j̄ m̄ḡv̄R̄) eb̄ef̄v̄M̄ ī c̄K̄ī t̄ī m̄t̄z̄ R̄b̄Z̄ Ab̄j̄b̄ c̄t̄l̄ī ̄p̄f̄Z̄ī K̄īt̄Ȳ c̄K̄īw̄l̄ c̄ī Z̄v̄i n̄t̄q̄t̄Q̄t̄v̄ | ḠW̄iē-ī m̄āv̄īȲ b̄w̄Z̄ n̄t̄j̄ v̄ ̄ēv̄B̄t̄ī t̄K̄t̄b̄v̄ c̄-t̄f̄K̄ ̄p̄f̄Z̄ `ḡb̄ m̄s̄juv̄-c̄l̄z̄ēb̄ c̄K̄ī b̄ K̄iv̄, th b̄w̄Z̄ c̄K̄ī ī ̄p̄f̄Z̄ c̄K̄īk̄ī

t̄q̄t̄ī ev̄-v̄f̄c̄ | Ḡf̄t̄ē ḠW̄iē GB̄ t̄ēt̄v̄ax̄ c̄K̄v̄-b̄w̄Z̄ R̄x̄ēP̄t̄ c̄K̄ī ī th-t̄K̄t̄b̄v̄ ̄p̄f̄Z̄t̄K̄ īv̄l̄ K̄īt̄Z̄ th̄s̄-K̄f̄t̄ē m̄n̄h̄ K̄ī Ges̄ Ḡēv̄t̄ī mī K̄ī c̄j̄b̄f̄P̄t̄Ȳ ev̄ēZ̄t̄K̄P̄ c̄_l̄ īx̄ K̄ī t̄q̄ | R̄x̄ēK̄ī w̄b̄q̄Z̄v̄ Z̄t̄ī c̄l̄v̄b̄ `w̄ēl̄ | ḡȲM̄Ǟ M̄t̄gī B̄ēt̄h̄ḡ t̄K̄l̄ et̄j̄ b̄, ̄Ōh̄r̄ Āv̄c̄b̄v̄ī et̄j̄ b̄ th, eb̄ef̄v̄M̄ ē-v̄t̄K̄ D̄b̄z̄ K̄īv̄ R̄b̄ R̄x̄ēP̄t̄ c̄K̄ī M̄b̄Ȳ K̄ī n̄t̄q̄t̄Q̄t̄v̄, Z̄v̄t̄j̄ Āv̄ḡ ej̄ t̄v̄ th, c̄j̄ī eb̄ef̄v̄M̄ Āt̄īv̄t̄ī t̄ēl̄ ̄p̄f̄Z̄M̄-n̄t̄q̄t̄Q̄t̄v̄ | w̄Z̄b̄l̄ R̄Āv̄m̄ K̄īb̄, ̄ŌḠūb̄ w̄K̄ ē-v̄t̄c̄b̄v̄ī j̄ T̄Ȳ?̄0̄ ḡȲM̄Ǟī b̄x̄j̄ ēw̄o M̄t̄gī ēl̄ q̄w̄j̄ B̄D̄m̄d̄ Āv̄j̄ x̄ et̄j̄ b̄, ̄Ōb̄ēf̄v̄M̄ K̄ḡv̄b̄ R̄n̄t̄j̄ v̄ c̄P̄ī K̄īv̄t̄ī gā-Z̄v̄K̄v̄ī Z̄v̄i v̄t̄K̄t̄b̄v̄ w̄K̄ōb̄ t̄Z̄v̄q̄v̄ | K̄īb̄ bv̄—M̄Q̄ K̄v̄v̄ī ḡīīḡ ḡv̄b̄ bv̄, ḡv̄t̄Q̄ī w̄ḡ c̄v̄ōī m̄q̄ḡ w̄ēt̄P̄b̄ K̄ī bv̄, t̄M̄j̄ v̄Z̄v̄ t̄ēt̄ō īv̄l̄ v̄īb̄ v̄w̄ R̄x̄ēP̄t̄ c̄K̄ī ēb̄t̄K̄ īv̄l̄ K̄īt̄Z̄, Z̄v̄t̄j̄ t̄K̄b̄ Z̄v̄ī v̄Ḡb̄m̄ēī GB̄m̄ēī v̄t̄

ē-4 : ̄ēb̄ef̄v̄M̄ c̄K̄ī īḡj̄ K̄īb̄ Āb̄f̄e K̄ī b̄v̄

M̄b̄v̄l̄q̄j̄ R̄b̄m̄v̄īt̄Ȳ Ask̄M̄b̄Ȳ l̄ Ḡb̄R̄t̄ī t̄ī f̄ḡK̄ w̄t̄k̄l̄ f̄t̄ē _v̄K̄ī K̄īt̄Ȳ c̄K̄īw̄l̄ eb̄ef̄v̄M̄ c̄ō-m̄b̄ w̄t̄j̄v̄ b̄v̄l̄ Z̄v̄b̄ mȳ īeb̄ w̄b̄t̄ R̄b̄v̄ K̄īḡj̄Ū (Ḡm̄m̄m̄) b̄t̄ḡḡt̄ M̄v̄b̄ K̄īv̄ n̄q̄, hr̄ t̄K̄t̄b̄v̄ K̄īR̄ K̄īb̄l̄ ms̄-v̄t̄j̄v̄ ḠW̄iē Ges̄ M̄R̄Ḡd̄ th̄v̄ī ḡt̄Z̄v̄ A_-ēq̄ K̄ī Ges̄ m̄ēP̄t̄q̄ t̄ēl̄ A_-ēq̄ n̄q̄ c̄īv̄ḡk̄R̄t̄ ī R̄b̄l̄ | w̄f̄b̄m̄ē K̄īt̄-t̄K̄ c̄v̄l̄ q̄v̄ th, t̄b̄-v̄j̄ w̄t̄j̄ī c̄īv̄ḡk̄M̄Ȳ t̄K̄ī ch̄s̄-t̄m̄b̄ t̄t̄k̄ī mī K̄īt̄ī c̄l̄v̄b̄ K̄īv̄ Āt̄-P̄ t̄-t̄K̄ Āt̄b̄K̄ t̄ēl̄ c̄īḡīȲ A_-ēL̄P̄ K̄īt̄Q̄b̄ | eb̄ef̄v̄M̄ w̄R̄-^c̄K̄ īn̄t̄m̄ē ēv̄s̄K̄ Ḡīt̄k̄b̄ Z̄v̄i D̄c̄t̄ P̄w̄c̄t̄q̄ w̄t̄z̄ t̄P̄t̄q̄j̄v̄, w̄K̄S̄ c̄ēf̄c̄ī t̄K̄t̄b̄v̄ m̄ḡt̄q̄b̄ eb̄ef̄v̄M̄ Gī ḡīj̄ K̄īb̄ M̄b̄Ȳ K̄īt̄Z̄ Āv̄b̄ t̄-L̄q̄b̄ | Ḡīc̄ī R̄b̄b̄j̄w̄ī ḡt̄m̄ ḠW̄iē c̄K̄īw̄l̄ ēw̄Z̄j̄ K̄ī t̄ī

t̄ḡt̄ k̄īḡm̄j̄ ūv̄
c̄l̄b̄ c̄ī P̄j̄ K̄

b̄v̄, h̄v̄ī w̄t̄b̄ī cī w̄b̄ eb̄t̄K̄ āv̄s̄m̄ K̄ī t̄d̄j̄ t̄Q̄?̄ eb̄ef̄v̄M̄ b̄v̄ t̄K̄b̄ f̄t̄j̄ v̄ K̄ḡj̄P̄ ī w̄b̄t̄q̄ Āv̄m̄ n̄q̄ b̄v̄?̄ Av̄ī b̄t̄Ū īt̄ īb̄ īb̄ ev̄ t̄K̄b̄ w̄b̄q̄S̄ K̄īv̄ n̄q̄ b̄v̄ ev̄ Z̄t̄ī v̄ēīt̄x̄ Z̄-S̄-K̄īv̄ n̄q̄ b̄v̄?̄

ḡš̄v̄īq̄ Āv̄ēx̄ c̄K̄ī ī ē-Z̄v̄ ^v̄q̄f̄v̄ī:

ḠW̄iē-ī c̄f̄b̄-³ m̄n̄v̄Z̄ c̄l̄z̄ēb̄ t̄-t̄K̄t̄ l̄-L̄v̄ h̄v̄q̄ th, R̄x̄ēP̄t̄ c̄K̄ī t̄ḡv̄l̄ ēv̄t̄R̄t̄Ū k̄Z̄K̄īv̄ 53 f̄v̄M̄ w̄t̄-w̄k̄ c̄īv̄ḡk̄R̄t̄ ī t̄m̄ēv̄ R̄b̄ Ges̄ k̄Z̄K̄īv̄ 11 f̄v̄M̄ t̄-w̄k̄ c̄īv̄ḡk̄R̄t̄ ī t̄m̄ēv̄ R̄b̄ ē-q̄ K̄īv̄ c̄īw̄ī K̄īb̄ K̄ī | Ḡōv̄ōv̄ t̄ḡv̄l̄ ēv̄t̄R̄t̄Ū k̄Z̄K̄īv̄ 72 f̄v̄M̄ A_-ēt̄q̄ī c̄ī K̄īb̄ K̄īv̄ n̄q̄ c̄īv̄ḡk̄R̄t̄ ī t̄c̄ōt̄b̄l̄ c̄K̄ī ī m̄ḡw̄B̄ Z̄w̄ī L̄w̄t̄j̄v̄ 2006 m̄t̄j̄ ī 31t̄k̄ w̄t̄m̄t̄-¹ w̄K̄S̄ 2003 m̄t̄j̄ ī 4W̄ f̄m̄t̄P̄-¹ ḠW̄iē GB̄ F̄Ȳ-³M̄Z̄ K̄ī | 2006 m̄t̄j̄ ī 16B̄ t̄d̄ēq̄w̄ī F̄Ȳ-c̄K̄m̄b̄ w̄f̄v̄M̄ m̄n̄K̄v̄ī w̄b̄q̄S̄K̄ ēj̄s̄ DK̄ c̄v̄K̄ēv̄s̄j̄ v̄t̄ k̄ m̄ī K̄īt̄ī ī A_-%̄w̄Z̄K̄ m̄úK̄ w̄f̄v̄M̄ m̄īP̄t̄K̄ 14 j̄ ¶ 20 n̄R̄v̄ī ḡw̄K̄B̄ W̄j̄v̄ī ī c̄īēt̄Z̄-⁴ j̄ ¶ 27 n̄R̄v̄ī ḡw̄K̄B̄ W̄j̄v̄ī, K̄īt̄Z̄ c̄ī | w̄l̄q̄j̄Ū GL̄t̄b̄v̄ Aḡx̄ḡs̄īm̄Z̄ ḠW̄iē ēv̄s̄j̄ v̄t̄ k̄ī ḡb̄t̄īl̄ D̄c̄t̄ī GB̄ F̄Ȳf̄v̄ī P̄w̄c̄t̄q̄ w̄t̄z̄ c̄īt̄ī b̄v̄ī eb̄ef̄v̄M̄ Ās̄t̄k̄ī A_-ē-v̄c̄b̄v̄ c̄īt̄īv̄ī K̄t̄R̄ ḠW̄iē w̄b̄t̄R̄ Āīs̄R̄@Z̄K̄ L̄w̄Z̄m̄-w̄b̄p̄īŪW̄ Āv̄K̄īD̄Ūv̄Ū d̄v̄ḡ-Āv̄ēj̄ K̄t̄k̄ḡ Āv̄Ū t̄K̄ī-w̄b̄t̄K̄ w̄b̄h̄j̄ K̄īt̄j̄ ī c̄l̄Z̄v̄b̄īŪ ēt̄ov̄ āīt̄bī t̄K̄t̄b̄v̄ Ām̄v̄Z̄ L̄j̄R̄ c̄īq̄b̄ | AZGē t̄-L̄v̄h̄j̄Q̄, GB̄ F̄t̄Ȳ īv̄ ḠK̄īS̄B̄ ḠW̄iē-ī w̄m̄s̄n̄f̄M̄ A_-c̄īv̄ḡk̄R̄t̄ ī R̄b̄ ē-q̄ K̄īv̄ n̄t̄j̄ ī d̄j̄ w̄d̄j̄ m̄t̄s̄ī R̄b̄K̄ n̄q̄b̄ | Ḡḡb̄K̄ ḠĀv̄īm̄ḠW̄Āv̄B̄Ḡm̄ BD̄t̄īv̄K̄b̄m̄-Ḡī-Ḡj̄-p̄ K̄ḡR̄t̄Ēī R̄b̄-`q̄s̄ ḠW̄iē-B̄ Z̄t̄ī K̄t̄j̄ v̄-Z̄w̄j̄ K̄f̄j̄P̄ K̄ī | D̄t̄j̄ L̄h̄m̄-t̄h̄m̄ th, ēw̄q̄Z̄ Āt̄-P̄ Āw̄aK̄īs̄k̄B̄ ḠW̄iē m̄īm̄v̄ī ē-q̄ K̄ī |

thgbUv Rvbij b, cPmeiQk wektiÁ eW3 i Bþ`v-gjy q AAtj i
cwlþt i eikó mæútK® Kvþby AvfÁZq Qtj v bv| GRB" msivlZ
my i etb KviR AvtM ZtK Rxe%wP" cKtji AwR
mnvqZiq Qq gmy Bþ`v-gjy q AAtj i cwlþt i mæútK®Avb ARB
KiþZ cvVtþbv nq| GQvor Rxe%wP" cKtji wektiAMYK
msivlZ my i etb Di™c I cÖYx i Rvic Kivi KvR AcY Kiv
nþqQtj v, hv wQj v Zyf i wR wR KvþRi AwZni 3; hv I Gme
KviR cteB fjtj vftje KtiQj b GBP twP (1975), tR GBP
tevni (1985), Pwd (1985), Ges msivlZ my i etb mgvñZ
mæú` Dbaþ Kgmp (1992-95) | Rxe%wP" cKtji
cwi Kí bvKvi wMy eis tmBme KvþRi cieZravc wbtq KvR KvþZ
cvi tZb, thgb ¶i wZ¶i aCÖYx i cwi msL'vb Kiv thþZi, th,tj vi
gta" itqtQ G AAtj i ¶i wZ¶i aDi™c, kvi j v, fvmgvb AYRxe,
bvbi aiþbi gyQ, wmy btUvUv ev tRuj -wdm RzXq cÖYx,
þvmtUmqv ev Pswi I KuKov RvZq cÖYx, Atgi" Ex cÖYx, th,tj v
gþbtMof ebvAþtj i gj wþqSK Lr`kLj |

e. -5: metk | Á-meo ðv

...RBGd Abv b t_k GAvi mGmAvBGm-Gi gva tg wetkI A
e'w³ gtvbqb I wbtqyMi KvtR GmVne mivmi RtoZ| GB
cijpqv 15 Rb AvSRwZK wetkI A btqyM Kiv nq Ges KgjTt
civtbv nq, hr I cti terSv hq th, g'vb|Mof mruktKGBme
wetkIA t i mvgibZg thwM'zv I avi Yv wQjt v bv| cij³ mnvqK
Znwtj i wmsnfVM LiP ntq tMtj I, t Lv tMtQ AtbtK Zvt i
wqZB cij b Ktibib| i ay ZiB bq, mefkI j tBZv ug vi
w tdb t tebk tKtibv cijte b tck bv Ktib t k Z'IM Kti
tMtQb| ZiQrov cikI mgtpi kZKiv 50 fVM mgq tki ntj I
cij³ mnvqK Znwtj LiP ntqQ kZKiv 70 fVM (400 GKK
gym)...Ó

ng. Zi" wkeP, KnuUa mVti+i, GiMme evsj v'k timitWU ugkb,
XvKvtK tj Lv cmitek I eb gšyjfq i miPtei c†, -šiK bs
GgiBGd tm̄tu 2004/840, ZwiL : 25-10-2004

cKí mgv¶iv Ges Rbmavvi yIgi gZigtZi Avtj vKt GUV -úo th,
Rxe%P "msi ¶Y Ges `ibxq gibjt i DcKvi Kivi th j ¶ wbq
cKí uJ mPZ ntqjQtj v, Zv tm ARD KitZ ii'l Ktibl Amúy®,
Aer-e, I A%ÁwbK cwi Kí bV cKí uJi e_-Zvi gj Kvi Y|
KitRB Ge e_-Zvi `vqfVMI GwMie tK wbz nte| tKvbftvE B G
cKtj i FY RbMtbi A_-tK cwi tkva nte Abvñ Zvi Povš+
fivel Z cKtj i Rh Rh-mrwk i:

fiel tZ my i etb hW bZb tKtbr cKí MhY Kiv nq, Zntj Gi
ga'Kvi AtbK mcywi kB wtkl mcywi k intmte wetewPZ ntZ
cyle;

♣ cKí wel tq m̄ úó | h_vh_Z_ Ges A_©Vzv | ev- evqbf
 cLzv̄bi clm̄vzK bwxGzjv | KgZrci Zv m̄útKcfwēZ
 cKí GiVki RhMñotK mieim Ki vntel

- Aw` evmx | -vbxq RbtMvóx m¤útK®RBGd | Giññe-i
mbt`Rbv | cwiPj bv evsj vt`ki Rb" my úo ntZ nte, Ges
j•Nb | AgbtbñHm mbt`R Kivi cxvZtKI -úo fvñl vq eYñv
Ki tZ nte |

- th-tKvbtv ai tb̄i c̄K̄ -c̄v̄e t̄K mnRj f̄ Ki t̄Z n̄te Ges
c̄l̄g t̄_t̄KB mKt̄j B hv̄Z ēs̄t̄Z cv̄ti , Zvi Rb̄ ev̄s̄j v̄ f̄v̄l̄q
Zv c̄l̄k̄ K̄i t̄Z n̄te |

♣ etov ai tibi tKvibv RxekP̄ cKí ii" Kivi cte cKt̄ i
j ¶ Ges weq maúkC vbxq gvbj i msMVb, vbxq gvbj I
t̄ ki mwave Y gvbj i m½ Avj vc-Avtj vPbv Kti MYi bwbi
e e v KitZ nte| cKí Abtgv tbi cte cRbMtYi gZugZ
M̄Y KitZ nte, Ges gZvgZ c̄ vtbv Rb RbMYtK ht̄_ó
mgq w̄tZ nte| tKvibv br tKvibv fite Avr evmx I vbxq
gvbj ¶ M̄-ntj cKí hvz M̄-ntj Kiv hq, Zvi e e v
iVtZ nte| cKí i mPbriZB i ay MYi bwbi Kitj Pj te bv,

cKí ev- evqtbí mḡtqí gvtS gvtS MYi bwbi e-e- Ki tZ
nté|

• msin̄lZ etbi m̄ut̄ c̄lekwaKvi Le°Kiv ev GjvKv̄t̄K
mj̄lZ KivB c̄k̄t̄i D̄t̄k̄ i j̄l̄ n̄t̄z c̄t̄i bv̄
ebm̄ut̄ i Dct̄i Aw̄ evmx, D̄il̄ Rbt̄Mv̄ox, Ges ̄vb̄xq
Rbm̄wai t̄Yi AiaKt̄ii c̄l̄z Ges m̄ut̄ i Dct̄i Z̄t̄ i
c̄l̄MZ AiaKt̄ii c̄l̄z C̄ȳKx̄i t̄cv̄ Y Kiv D̄l̄PZ |

♣ wetkwl Z mycwi k :

bxwZ we lqK

th-^tKtvb c^kÍ ^mb^tq ^WŠ^tf^verbⁱ c^teB m^s⁻ZKfvte
R^zMb c^x⁻Zi gva^tg ^Wb^xgb^tl i m^t^z f^tjt^vft^vte Auj vc-
Artj vPb^v K^ti ^mb^tZ n^te| Gi^vne | ^WRBGd-Gi g^tZv
A⁻Zv c^zZöbt^tK c^kÍ c^tv^e c^tZ Kⁱvⁱ c^te^oAek^B
Zt^t i ^mR⁻^MY-AskM^tY b^xZ Ab^vni Y Kit^tZ n^te Ges
†¶†v^tj^vPb^v ^Wfv^tE^tZ ^Zvi c^tZte^t bt^tK gj^vqb Kit^tZ n^te|
e^vcKfvte ^WeKⁱ A⁻%ZK Kg^tK^tÉi c^wi e^tZ^oP^vv^vi Z c^lv,
ms⁻W I H^vZn^tK m^tjb I c^lqM^v Kⁱt^tZ c^lml^vZK
b^xZg^vj vi ch^tq vPb^v, c^pM^tb I c^pve^tv^vm Kⁱt^tZ n^te|
c^wi tek^ve^vm a^vsmKvⁱx ^Wnt^tte ^Wb^xq Rbm^vvi Y, Aw^vev^vi,
D^vl ó RbtM^tóK^v `vq^v K^ti AvbxZ Ab^vq I evavai vAvft^tHM
L^vvi R K^ti ^Wt^v q b^xZg^vj vt^tK c^pve^t—-Kⁱt^tZ n^te| c^kÍ
c^ttiZ l b^kKv^v ^Zvi Kⁱvⁱ c^lugK ch^tq t^vj Kv^vPri, R^veK^v,
H^vZn^t I ms⁻Z^tK ^mb^tq m^s⁻ZKfvte gib^vbmB R^vi c
c^wi Pv^v bv K^ti † L^tZ n^te|

☞ cKí i" Kivi cteB "vZv ms"vi DiPZ nte "vBxq (RvZxq chiqi I Mlg chiqi miKvi) wewawebw chiqj vPbv Kiv| cldqyRbxq bwz "Zvi Kiv, nvj ZK Kiv | chiqj vPbv Kiv cKtq i ciui Kí bv |

mælē`þr̄Z I Zv n̄bim̄tbi c̄`t̄lc w̄Pw̄yZ K i t̄Z b̄n̄Zḡy v
^Zw̄i Kiv, ch̄f̄j w̄Pb̄ Kiv I Zv nj̄ ZK Kiv c̄lq̄Rb̄| ēt̄ov
c̄Kt̄i i gtā` m̄y úóf̄vte ew̄yZ mḡs̄Z b̄n̄Zḡy v, AvBb Ges
weaib _vKt̄Z n̄te|

cwi Kí bv wəlqK

„vbxq gvbſj i RxneKvi DbwZtK cKÍ bKvvi gta“ mePtq
teiik „i“Zj † I qv DnPZ| cKÍ Povš-Kivi j †T“ cKÍ
cvi Kí bwm uj wLZ AvKvti Dui ó RbtMvóxi gta“ RbtMvóxi
gvZ.f.vl vq fvjt vftve cPvi Kiv DnPZ| „vbxq gvbſj i „vofvL
fvjt vftve Dcj vä Kivi Rb“ cKÍ bKvvi Rb“ chFB mgq
e q Kiv DnPZ|

čii tek msi¶¶Yi j †¶ cMz cKí cii Kí bñU¶K k3
eÁnbk wñlEi Dcti `wo KivZ nte| cKí i avi Yv myoi
mgqz cKí i j ¶ I ev eZt¶K wñfbæk`K w tq wPvi Kivi
Rb cmlñK wñtq wñfbæk`Lj vi `¶Zm wñbæne Ávbxt i
mæj3 KitZ nte|

me^{te} ev-erq^tbi mthM ev evav ev kb^Zv wP^yZ K^tz th
tK^tbv etov c^K^ti c^ltgB w^Z AvBb I kmt^tbi ev-eZv
cix^qv K^ti ciw K^tb MthY Kiv `iKvi | c^K^ti i gva^{tg}
mgv^R I ciw te^tki DcKvi w^bo^Z Kivi j^t¶ AvBbMZ |
bw^ZMZ K^wg^tK h^v_hv^te nj ZK Kiv D^PZ, hv^tZ ev-
evgb c^luqv mnR nq|

e⁺e⁻ → cbv + e l q K

- Z_ cKvK, MY-Aitj vPbv I bgbxqZvi gva[†]g mKj c[†]lī
c[†]z cKí e[†]e[†]cbt[†]K ^o n[†]z nte| cKí tK G[†]ZU
mnbkjy n[†]z nte, h[†]tZ AitFÁZvi gva[†]g cB bBz tKt[†]bv
cwi Kí bv ev cwi Kí bvi cbpe[†]im Kiv m[†]e nq| msuké[†]
-ibxq Rbt[†]Môx, Amôx tj vKRb, ev[†]evqb ms[†]v | A[†]vZv
c[†]Zovt[†]bi m[†]ú³ Ziq c[†]Zb ggm A[†]t cKí KgRv[†]Ei
ch[†]tj vPbv Ki[†]Z nte| ch[†]tj vPbv t[†]tK c[†]B w[†]lvi gva[†]g
ibw @ cwi Kí bvt[†]K nj ZK Kt[†] Zj t[†]Z nte| cKí tJ t[†]tK
h[†]w tKtvb we[†]sc dj vdj tei ntq Av[†]m, Zntj msuké[†]ms[†]
-ibxq Rbmwai Y[†]K Zv Ae[†]nZ Kite| GBme KgRv[†]cKí i
KvhRwni Zt[†]K ewotq Zj te, cikvcvñk RbMY[†]KI Zt[†]i
KZ[†] m[†]ú³KRbt[†]Z nte|

er[†]evqb we[†]lqK

c[†]JU cKí B -ibxq gvb[†]l i mn[†]hWZiq ev[†]evqb Ki[†]Z
nte, Zt[†]Z ev[†]evqb c[†]lqv fvt[†]fvf[†]e m[†]úbantZ cvi te Ges
-ibxq gvb[†]l i mg[†]l c[†]l qv h[†]t[†] miKv[†]i we[†]fboem[†]v,
c[†]Zob, kvLv, fvft[†]Mi g[†]a msu[†]ZI L[†]p Ri[†]wi | R[†]Uj I
ci[†]úim[†]m[†]úKZ cK[†]Zi Kvi[†]Y Rx[†]%P[†] cK[†]t i gtZv etov
ai[†]tbi cK[†]i OGKUgv[†] ev[†]evqb ms[†]W[†]Vb bq| we[†]fboe
mvg[†]RK msM[†]b Ges tm[†]i, we[†]k[†]Z hviv -ibxq m[†]ú³ i
Dct[†] ib[†]P[†]Kxj, Aek[†]B Zt[†]i m[†]ú³ Kiv[†] i Kvi |

Review in 1 click via API

- eZgub MteiYv Pj vKutj msukoribiv Djt L Ktib th,
my`iebtK Zvi wbRi gtZv _vKtZ t lqyvB Ri`wi | Lj bvg
AbpjZ IqyKRtc G K_v tRtB AtbK e3v yjk KtE cke
tZitj b th, Zit i tKtibv T"ubv _vKv mtEjl Gmme-i GB
e_©FY cwi tkva KtiZ RbMYtK Uv`i UnKv tKb ,YtZ
nte? Reven in I cizKutj i mei qulG fvithe mevi Dcti DtV
Avtm| e_©Zvi `vqfvi tmB ms`vi, th ms`v cKtj i bKKv
KtjQ Ges ev`evqfbi AuaKvsk KvR m=ubce
KtjQ—my`ieb AAtj emeimKvix gvbj i mt% th A_©Zv
ms`vi tKtibv m=uk©tbB| eZgub mgxPv Pj vKutj _vbxq
RbMb Rvbvb e_©Zvi `vqfvi tmB ms`vi, th ms`v cKtj i
bKKv KtjQ Ges ev`evqfbi AuaKvsk KvR m=ubceKtjQ

†klK_w:

2004 m̄tj i 30tk tm̄tPət ch̄s-Rxe%P̄ c̄k̄t̄ i `vZiv
Zit̄ i c̄t̄ q A t̄_P kZKiv 39 f̄M A_@vo K̄ti, Gi ga'Kvi 27
f̄M A_@Bzgta LiP Kiv ntqtQ| GB Zwi'tLi ḡta eb̄efwM
ēq K̄ti 53 t̄KwU 37 j̄ 40 n̄Rvi UlKv (c̄lq 97 j̄ 1 ḡwKθ
Wjvi)| GB A t̄_P ētor GKU Ask (48%) ēq Kiv nq cz̄
K̄t̄Ri Rb̄| kZKiv 14 f̄M UvKv ēq nq AvsRwZK
c̄vngkR̄t̄ i tc̄oqb, h̄w̄ I GB UvKv eb̄efv̄t̄Mi ḡta'ḡ LiP Kiv
nqbl| Gw̄ne-i ch̄t̄j Pbv ngkt̄bi c̄l̄ze'b Abjhq̄x 22 j̄ 70
n̄Rvi ḡwKθ Wjvi w̄et̄'ik c̄vngkR̄t̄ i Rb̄ LiP Kiv nq, h̄w Qt̄j v
ēeūZ A t̄_P kZKiv 61.7 f̄M| LiP-Kiv UvKv w̄msnf̄MB
c̄vngkR̄t̄ i nc̄oqb ēq nt̄j I dj̄cdj̄ tḡt̄UB mt̄sh̄ RbK nqbl|
Ggb̄wK GB aīt̄bi A t̄h̄m'Zvi Kvi'Y -qs Gw̄ne-i
GAvi w̄Gw̄AwBGm BD̄t̄vKbm̄vēT̄ K̄t̄j v Zvij Krf̄j̄ K̄t̄j̄t̄Q|
Qvo Kiv AriaKysk A_B Gw̄ne-i Z̄yeart̄b LiP Kiv ntqtQ|
Rxe%P̄ c̄k̄t̄ i ch̄t̄j mn̄vqZv Aſf̄p̄i Rb̄ 'ic̄t̄ Avn̄yb
K̄t̄t̄Q Gw̄ne Ges GAvi w̄Gw̄AwBGm BD̄t̄vKbm̄vē-Gi m̄h̄z
Gw̄ne-B P̄r̄b̄ḡv K̄t̄t̄Q| w̄RBGd Zvi 1 t̄KwU 22 j̄ 1 ḡwKθ
Wjvi m̄immi Gw̄ne-T̄ K̄t̄j̄t̄b K̄t̄i Ges Zv GAvi w̄Gw̄AwBGm
BD̄t̄vKbm̄vē-Gi Aax̄b c̄w̄i Pw̄j Z nq| ZvB A_@vZv c̄l̄Zor̄t̄bi
m̄h̄z Aev̄-ew̄qZ c̄w̄i K̄t̄i b̄i 'vq enb Kiv Qvo GB A_@ēq Kivi
ēic̄t̄ ev̄sj̄t̄ t̄ki ev̄-ev̄q ms̄'v eb̄efv̄t̄Mi t̄K̄t̄b̄ w̄baš̄y Qt̄j v
b̄i|
AZGe thtn̄Zj i ev̄-ew̄at̄ th A_@Avt̄s LiP nauh

AZGe, InInZI JII ev evqib in A_° Atf s LTP nqo,
evsj vt' tk i RbMtYi Dcti tmb At_° FY cwi tkvta i `vq ewZfq

A_©Vz ms_`tjv my`ieb ZWM Kivi tKvtbv h̄y³ tbB|
Rxe%P̄ cKt̄i A_©Vz ms_`tjvi GB FY cwi`kra glKd
Kt̄i t̄ I qv DnZ GB Rb̄ th, T̄WcYcwi Kf̄ bv I ev̄ evqt̄bi Rb̄
cKt̄i W e_©htqfQ, Ges eiv̄ KZ At̄_P etor Ask Zviv wbtRiVb
e_`q Kt̄i Q|

AiSR@ZK Aw_ K cÖZövb cÖZ'PY / IFI Watch, Dbqb AtSY - w BtbfUim&KZK cÖZKZ| gj ZEjeavQK: ivk` Ajy gvingj ZZgxi | RmKi tnvimb I Kkj iq cÖVZ Deserting the Sundarbans (W. "nPI mi Kvi AbifZ: wecbem` ieb) AeJ s#b Pjw msLwUi evsj v ms-iY cÖZ Kti:tQb f` lqyb gnvra\$ úgyqb Kexi | Dbqb AtSY Gi cÖP GiU cÖVZ Kti:tQb bRij Bmj vg, cÖvb, A_ q yibe mpu` nefUM | AiSR@ZK Aw_ K cÖZ'PYi BstiiR ms-iY cÖVZ qv hufe: www.unnayan.org

PjwZ msLwU wb̄t̄Riw Kwi , d̄tió wccj m& tc̄m̄g | Db̄b̄
At̄š̄t̄Yi th̄š̄ Kam̄Pi Ask̄ int̄me c̄KwKZ|



নিজে রাক রি
Nijera Kori

The **Nijera Kori** is a continuous and diverse movement focusing on social mobilisation and ensuring accountable democratic structures, targeting the most marginalised groups through the development of autonomous landless organisations with an emphasis on gender equity.



ଓন্নয়ন অন্নেশন
Unnayan Onneshan
The Innovators

The **Unnayan Onneshan-The Innovators**, an independent not-for-profit registered trust, aims to contribute to innovation in development through research, advocacy, solidarity and action. The alternative public policy watchdog was established in 2003 by a group of university faculties and development professionals across Bangladesh to contribute to the search for solutions to endemic poverty, injustice, gender inequality and environmental degradation at the local, national and global levels. The philosophy and models of the centre for research and action focus on pluralistic, participatory and sustainable development and seek to challenge the narrow theoretical and policy approaches derived from unitary models of development.



The **Forest Peoples Programme**, is registered as a non-profit NGO in the UK and Netherlands. The programme was originally established by the World Rainforest Movement and works to secure the rights of forest peoples to control their lands and destinies.

1c Fosseway Business Centre, Stratford Road, Moreton-in-Marsh, GL56 9NQ, United Kingdom, E-mail: info@forestpeoples.org, Web: www.forestpeoples.org

*Ab ib' Z_ "Ges cñZte`tbi Rb" t'Lþ www.unnayan.org
G mvBUUJi tekxi cñZte`bB WlDbtj WlthMM'*