

## 5nkm l6kf

**lj ifoMn; fjt dGqnosf]kg:yfkgf ; DaGwl cGtlqnf sfoGnd**  
cfof]sM hn; fjt lj sf; ; :yf, cgfdgu/  
:yfgMxfon /fon l; 3L, sf7df08f}-  
ldltM@)^%.#.@!

### **k7eldM**

gkfn ; /sf/sf]xnf]sf]lg0f6fg; f/ hn; fjt dGqnonf0{l; #f0 dGqno / phf{dGqnodf  
lj eflht ul/Psf]lg0f6af6 hn; fjt lf0df sfo{t kzfSDLx{?sf]uDel/ Wofgfsif0f ePsf]  
5 . ; /sf/sf]o; lg0f6kl't hn; fjt lj sf; ; :yfsf]c; xdtl k\$6 ug{o; ; :yfsf  
kblwsf/lx?af/f oxl @)^.#!( sf lbg ; Ddfgglo k\wfgdGqlHo"; dlf 1fkg kq kz  
ul/Psf]lyof]. -cg; 'L-!\_ . o; ; Gbedf k\wfgdGqlHoaf6 7f] ; emf lbg hn; fjt lj sf;  
; :yfnf0{cg/fw eP adf]hd o; 5nkm sfoGndsf]cfof]hgf ul/Psf]xf].

sfoGndsf]z?df hn; fjt lj sf; ; :yfsf dxf; lrj >l ; 0gy pkf]wfon]:j fut dGtJo  
JoQm ug{ePsf]lyof]. cGo jQmsf ?kdf 8f= pk]b|uf]d / >l pdfsfGt emf, ; lrj  
l; #f0 dGqno /xg'ePsf]lyof].

### 5nkmsf]k0f{ljj /of

; 0gy pkf]wfo, dxf; lrj, hn; fjt lj sf; ; :yf

/fi6nf0{b/ufdl kefj kfg] hn; fjt sf lj ifodf hn; fjt lj sf; ; :yfn]; b} rf; f]/fVg]/  
o; k\$F/sf 5nkmx?sf] cfof]hgf ug] kl/kf6L /x\$]5 . hn; fjt dGqnosf]xnf]sf]  
lj efhg /fi6sf]cfj Zostf ge0 w]}bnx?sf]; dyG /x\$]at0fg ; /sf/nf0{l6sfpg w}]  
eGbf w]}JolQmx?nf0{dGql agfpg' kg] af]wttfsf]pkh xf]. gkfn]sf]cGtl/d ; lj wfgdf  
; d] hn; fjt sf]pkof]uaf/]b0{ltxf0{axdt]sf]cfj Zostf clgjfo{u/\$]uDel/ lj ifodf  
; d] sg}k\$F/sf]5nkmg]gu/L, xr]fsf]e/df u/\$]of]lg0f6 ; lj wfgsf]kl'tsh ; d]  
/x\$]5 .

8f= pk]b|uf]d, sf]wblf, hn; fjt lj sf; ; :yf

cfheGbf @\* aif{klxn] hn; fjt dGqnosf]u7g xbf hn; fjt sf] ; Af0f, lj sf; , /  
Joj:yfkg o; sf]sfo{f0} tfl]sPsf]lyof]. cfh o; sf]lj efhg xbf hg p2]osfnflu  
o; sf]u7g ePsf]lyof]to; df tlff/fkft ePsf]5 . ; g\!(((\*-(( tfsf hn; fjt lj sf;  
; :yfsf]gdfs/0f ubf{xfdln] ; fjt nf0{ dx]j lb0Psf]h] o; ; :yfsf]gfdd} ; fjt zAb  
/flvPsf]xf] . o; af6 ; /sf/nf0{ ; fjt ; DaGwl] r]gf gePsf] s/f k]6 xG5 . o;  
lj efhgaf6 l; #f0 tyf phf{lf0df dxf/y xf; ln t xfhf t/ hn; fjt sf]; dlrt lj sf;  
ug]lgsfosf]cejn]of]lf0 cgfy h:t]ePsf]5 . @)\$ tfsf cfPsf]hn tyf gx/  
Pgdf hn; fjt gtf]sgfn]sfof]og ePg . o; nf0{ ; Daf]wg ug{hn; fjt Pg, @)\$(  
hn; fjt lgodfjnl, @)%), lj B't Pg, lj B't lgodfjnl cflb cfP . hn; fjt sf]Plsst

lj sf; sf nflu lgod sfgg dfqn] gxb] eP/ hn; f; /0fgllt, tyf /fli60 hn of hgf  
tof/ ul/P . ha ; a} Joj :yf ePsf] lyof] / hn; f; sf] ; dlrt lj sf; sf nflu Pp6f  
jftfj /of tof/ e0; s3f] lyof] cgof; hn; f; dGqfnosf] vf/hlaf6 Pp6f nfd]  
klqmf] cfo ul/of]. o; af6 hn; f; lj ifodf rf; f]/Vg]; a} cfZrodf k/3f] cj :yf 5  
. cy{dGqfnon] klg ; f; ; Da6wl sfo{ugI/ hn; f; dGqfnon] klg ; f; ; Da6wlg}sfo{  
ugIxf]. ; /sf/n] cy{dGqfnonf0{hlt /fhg]ts ?kdf aem3f] 5, hn; f; dGqfnonf0{  
/fhg]ts ?kdf Toltg} gaem3f] kf0of]. ; lj wfgdf ; d; b0{ltxf0 axdt]n] kfl/t ul/gkgI  
eg] pNny ePsf] lj ifodf ; /sf/sf] sfo{lj efhg lgodfj nln] km/ lbPdf km/g] cj :yf  
cfPsf] 5 . :yfglo lgsfox? g/x3f] j tdfg cj :yfdf o; u/L ; yfx? klg lj :yflkt xb]  
hfg] / ; a} klqmf tby{ / k6s] lg0f6df cfwfl/t x6} hfgxf] eg] ; yfut :d[  
(Institutional Memory) x/fp6} hfg]/ ; d: t b3sf] klqmf] tby{/lx/xg] xfls eG] qf;  
pTkGg ePsf] 5 . jxf] :j = dbg e08f/l sf] Ps slj tdf pNny ePsf] zbfj nl Alogt  
glj luPsf] x? sf nflu lj sNk lbg of] 5 nkm sfoqndsf] cfof hgf ul/Psf] xf].

**pdfsf6t eni ; lrj, l; #f0 dGqfno**

hn; f; dGqfnosf] lj efhgn] ubf{hn; f; lfqdf c; xh kl/l:yltsf] >hgf ePsf] 5 .  
o; h] cfh of]; a3f]; /f3f/sf] lj ifo ePsf] 5 . sg}; eI0fg} gu/L l; #f0 tyf phf{u/L  
b0] 6f dGqfnosf] u7g ePsf] cj :yf 5 . of] lg0f6 ; /sf/af6 o; cl3 kfl/t ePsf  
hn; f; /0fgllt / /fli60 hn of hgf] sf] klts h xg] u/L ePsf] 5 . hn; f; sf] lj sf;  
Plss[ Joj :yfkgsf] dflldaf6 xg5 eg] ; /sf/n] @% alif6 /0fgllt kfl/t u/L; s3f]  
cj :yfdf hn; f; sf] Plss[ lj sf; tkm{hfgkgdf lj efhg tkm{hfg' plrt ePg . l; #f0  
dGqfnosf] u7gn] l; #f0n] dxTj kfPsf] cj :yf t 5 t/ hn; f; sf]; dli6ut lj sf; df  
cK7] f] cj :yf cfPsf] 5 . laklfo lj ifox?, gkfn ef/t ; 0Qm hn; f; ; ldt ; Da6wdf  
; /sf/af6 hf/L ul/Psf] sfo{Dkfbg lgodfj nl dfg 5 . phf{dGqfno c6tu[ lj Bt  
lj sf; lj efu / gkfn lj Bt klws/0fnf0{dfq ; dfj z ul/Psf] 5 . phf3f c6o lgsfox?  
h:t} k6] nod, ; f6{ phf{ jfo' phf{ uf]/Uof; cflb c6o lgsfoaf/f ; #flnt 5g\  
ltglx?sf] Plss[ lj sf; s; /L ugIeG] lj ifodf sb} lg0f6 ePsf] 50 . o; u/L/ hn; f;  
lfqsf c6o dxTj kf{ lgsfox? h:t} df} d tyf hn] fo' lj 1fg ] efu, vfgkfgl lj efu  
cflb klg c6o lgsfo dfkmt ; #fngdf /x3f] 5g\ logx?sf] lj ifodf ; d; sb} lg0f6  
ePsf] 50 . ol lgsfox?sf] Plss[ lj sf; ugIeG] lj ifo o; cl3g]/fhgllts ; xdtl  
kfl't lj ifo ePtf klg hn; f; lfq xfn c:tJo:t cj :yfdf klg uPsf] 5 .

**5nkm ; q**

**8f= hgsnfn sdf6fo{**

hn; f; dGqfnosf] lj efhgnf0{Pp6f lj kbsf] ?kdf k'tt ul/Psf] 5 hg sb} lj kb x0 .  
gkfn hn] lj B'tsf] k' / ; efj gf /x3f] b3 ePtf klg phf{lfqdf o; sf] of] ubfg s] n #  
kltzt dfq /x3f] 5 . hn lj B'tnf0{glj s/0f] lo phf{df] lg/x3f] cj :yf g/x3f] cj :yf 5  
o; h] gkfn] sf] lj sf; sfnflu hn] lj B'tnf0{s0blj 6b' agfP/ hfgkgI cj :yf 5 . hn; f;  
dGqfnodf /fhgllts ?kdf hn] lj B'tn] a9L dxTj kfPsf] lyof] eg] l; #f0n] sd dxTj  
kfPsf] cj :yf lyof] . dGqln] hn] lj B'tsf] lfqdf a9L rf; f] lbg] u/3f] lyP /  
/fhodq] lx?nf0{l; #f0 x0] ] h] df lbg] ul/Psf] 3f6 klg hn] lj B'tn] a9L dxTj kfPsf] s/fsf]

kli6 x65 . lj B't Commodity ePsf]/ l; #f0 Commodity gePsf]cj :yfdf bā}lgsfo ; E}; E}hfg]cj :yf lyPg o; h]of]lj efhg bj }lgsfosf nflu kimbfol x65 .

**kof{ebf cl8uf**

o; lj efhgn] ubf{ hn tyf phf{cfof]usf] ; lrjfnonf0{ a9L lhDd]f/l ylkPsf] 5 . hn; f]sf]lfqdf Plsst ?kdf lj rf/ ug]; :yf ca of]dfq affs /xsf]cj :yf cfPsf]5 . /fli60 hn of]hgf agf]bf klg hn tyf phf{cfof]usf] ; lrjfnonf0{; b9 ug]s/f p]n]y ePsf]5 .

**ejgž sdf/ k]vfg, kf{hn; f] ; lrj**

hn; f] d6qnosf] lj efhg sg} ; f]lj rf/ g} gu/l cken6df u/šf] lg0f0 ePsf]h] hn; f]sf]lfqdf o; n]b/ufdl c; / kfg]lg]Zrt 5 . hn; f]sf]dx]jnf0{cfd; ft u/l g]kfn] hn; f] d6qnosf] u7g u/šf]5 ef/tn] ; d] xfd} cg; /of u/l hn; f] d6qnosf]u7g u/šf]lyof]. o; cl3 hn; f] ; Da6wl Plsst ?kdf xg]sg}lgsfog} lyPg . d6qnosf]lj efhgn]; #7gsf]cfsf/ klg 7hf]ePsf]h]a; 7 sdf ug]7fp]sf]; d] cefj p]k6g ePsf]5 . hn tyf zlQm cfof], h; n]lj bžl ; xof]af6 cfk]f]ejg lgdf0f u]of]cfh pxl lj :yflkt xg]cj :yfdf kl]šf]5 . phf{d6qfno 5š}agf] sg} cfkQl 5g t/ hn; f]nf0{; dli6df xg]hn; f] d6qfno /xg'k5{.

**zlt n afa' /l]dl, ; x; lrj, l; #f0 d6qfno**

phf{; Da6wl km/s d6qnosf] ; f] lj le6g /fli60 tyf c6t/fli60 d-rx?df o; cl3g} p7g]u/šf]lyof]. bz j if0f bz xhf/ d]f]f6 p]kfbg ug]; Da6wdf o; cl3sf]; /sf/n] u7g u/šf]; ldltn]klg phf{d6qfno tyf hn; f] d6qfno u/l b0]6f d6qnosf]lgdf0f xg' kg]eg] kl]t]bg kž u/l ; šf]5 . hn; f] tyf phf{nf0{kof6jrlsf]?kdf lng] u/šf]kf0Psf]5 hg s/f ; To xf0g . o; }u/l l; #f0 / phf{nf0{dfq hn; f] eg] lrq0f u/šf]kf0of]of]klg unt xf]. hn ; # ; Da6wlt lgsfox? clxn]klg l5/lnP/ /xsf] cj :yfdf 5g\ lj Zj kfgl lbj ; efl]ts of]hgf tyf lgdf0f d6qfnon]cfof]hgf ug]u/šf] 5 lsggeg]vfg]kfgl ljefu o; d6qfno c6tu6 kb5 . /fhgl]ts afl]otfx? cfk]f] 7fp]f x]hfg t/ kžfut ?kdf e6gkbf{l; #f0, vfg]kfgl, hnp]k6g kšf]k lg06q0f, df}d tyf hn]fo'lj 1fg, / hn kl/jxg cflbnf0{Pp6}lgsfoaf6 xll/gkg]xf] lsggeg]Plsst hn; f] Joj :yfkgnf0{; /sf/n]dfgš}xf]of]lfqnf0{l56g le6g kfl/g'x6g} .

**/lg]j/ nfn sfo:y, kf{; lrj**

hn; f] h:tf]dx]jk0f{lj ifodf bž leq tyf af]x/ /xšf] tdfd lj 1x?; E sg}5nkmg} gu/l hn; f] d6qnosf] lj efhg ul/g' beffok0f{ xf] . hn; f]sf] Joj :yfk g ug] b]i6sf]af6 x]f{hn; f] d6qnosf] dx]j cxd lyof]. lj ifout d6qnosf]lgdf0f af6 ; d:ofsf]; dfwfg x6g . Joj :yfk g / kof]u bj }nf0{; d6g] Ministry of Water Utilization and Conservation gfdS d6qnosf]u7g ug]l]s h:df lj B't lj sf; lj efu, l; #f0 lj efu, hn tyf phf{cfof]usf]; lrjfn0, df}d tyf hn]fo'lj 1fg lj efu, tyf vfg]kfgl lj efu cflb ; a}; dfj ž ug]o; af6 hn; f]sf]lj sf; n]lg/6t/tf ; d] kfp5 .

**8f- lszf/afa' cofh**

a\$llks phf{kjwq s|b|jftfj /of tyf lj 1fg klj lw dGqfno cGtu{ cg' Gwfgsf]?kdf /x\$] 5 . o; u/l k\$fnod klg cg' Gwfgs}?kdf /x\$] 5 . ol lgsfo ; d] phf{ dGqfnodf ; dfj z ug[s'/f ; d] p7\$] 5 . o; f] eof] eg] phf{dGqfnodf hnlj B'tn] km]L kfvf nllg' kg]cj :yf ; d] cfpg ; S5 .

**; 7z pk]L, ; x; lrj, hn tyf zIQmcfosf] ; lrjfn**

hn; f] dGqfnoaf6 vfgkfgl, df} d tyf hn]fo' lj 1fg lj efu, hnlj B't, l; #f0 ub] Pskl5 csf]lgsfo 5l\$5}5l\$5}u0; s]. cj hn; f] eG]lgsfo g}/xq of]lrGtfsf]lj ifo xf]. lj efhg ePtf klg hn; f]nf0{; dli6df xq]lgsfosf]cfj Zostf 5 .

**; 86fy pk]lbf, dxf; lrj, hn; f] ljsf; ; :yf**

hn; f] dGqfnosf]lj efhgn]; f] xq]lgsfodf l/Qmtf cfPsf] 5 . cfkm]ny]sf] cGtl/d ; ljwfgdf hn; f]nf0{gk]nsf]kdv ; f]sf ?kdf n]g]clg sfof]j ogsf ahf ; ljwfgsf] ; dfgfGt/ cs]sfd ug]kl/kf6l /fd] ePg . hn; f] xq]lgsfo sg xf] ls6fg xq cfj Zos 5 . lxhf\$] s'/f Pp6f, ; ljwfgdf Pp6f / sfd sf/jfxldf cs]s'/f ug] kl/kf6laf6 hn; f] lf0nf0{tx; gx; ug]sfo{ePsf] 5 . clxn]klg ; #bdf hn; f] ; DaGwl b0]6f Pq lj rf/flwg cj :yfdf 5g\ hn; f] dGqfnosf]lj efhgaf6 ol Pq? clxn]cnkq k/\$f 5g\ eljiodf ul/g]laklflo ; dembf/Lx? s; /l ug]o; cl3 tof/ ul/Psf hn; f] /ofglit, /fli60 hnof]hgf h:tf b:tfj ]hsf]lhDd]f/L s:n]Ing]cflb s0f} ; jfnx? pTkGg ePsf 5g\ o; h]of]lj jfb o; }6lEg]cj :yfdf 5q . hgtfn]DofG8q] g]bPsf]lj ifodf oxfGof6x? e0/x\$] 5g\hg /fd]s'/f xf0g . o; h]hn; f]nf0{Plssf ?kdf xq]lgsfosf]cfj Zostf 5 . ; ljwfgdf n]vPsf]o; lj ifnf0{g}Central Them sf]?kdf lnP/ hfg' cfj Zos 5 .

**; Gt axfb/ kg,**

gkfn lj B't kllws/ofnf0{Unbundle ug]s'/f pl7/x\$]j h]fdf hn; f] dGqfnog}Unbundle eof]. ef/t; E lj utdf ePsf]sfz]l ; Dem]f l; #f0, af9L lgoGqOf / lj B'tsf nflu ePsf] lyof]. kl5 s0ffl lr; fkgf of]hgdf ef/tn]l; #f0 / af9L lgoGqOfnf0 dxTj lbPg . clxn] ; Ktsfz]l pRr afW kl/of]hgdf l; #f0 tyf af9L lgoGqOf eGbf lj B'tn] dxTj kf0/x\$] 5 . xfn b]zdf !\* 306f nf\$; ]8E e0/x\$] cj :yfdf hn; f] dGqfnosf] lj efhgn]zsf pTkGg u/\$]5 .

**8f- szj zdf{pkdxflgbz]s, df} d tyf hn]fo' lj 1fg lj efu**

xf08k]h lj ifodf ; /sf/L hflu/df kj]z u/]kl5 xfn; Dd kfFj 6f dGqfno km]L ; s\$] cgej ; g]pg' eof]. slxn]hn; f] dGqfno, slxn]lj 1fg tyf klj lw dGqfno, slxn] jftfj /of lj 1fg tyf klj lw dGqfno cflb cflb . ; ljwfgd}dGqfnosf] ; Wof olt xq\$ eg] }tf\$g] xf] ls . ; eQm /fho cd]sdf hn]fo' lj 1fg lj efu ux dGqfno cGtu{ kb5 . dGqfno km]L sfd xq]xf0g sfd ug]lj efux? xq olglx?nf0{k6s k6s km]L/xg' x\$ .

**; f0qfy kf8h, hn; ft lj sf; ; :yf**

hn; ft lj sf; ; :yfs] tkmf6 ; Ddfgglo kwfgdGqLHohf0{ 1fkgkq aemPKl5  
kwfgdGqLHoä6 lj ifosf] uDel/tfnf0{ aem t]sfnlG ?kdf s] ; wfg ug{ ; ls65 eg]  
; emj lbg cg/fw ug{ePsf]xf]. o; h]o; lj ifonf0{s; /L ; Dafwg ug[eG]lj ifodf of]  
5nkmsf]cfof]hg ul/Psf]xf]. hn; ft]nf0 ; ft]sf]?kdf lnOPsf]kfOPg o; h]o; tkm  
lj rf/ k'ofpg cfjZos 5 . ?; df jg, hn, Geology, jftj /of cflb ; a}lgsfo Ministry  
of Natural Resource af6 xg]ul/65 . Geology leq klg Gas tyf Coal xg]km/s lgsfo  
5g\ . o; h]hn; ft] eG]lj ifo lj efhg ul/g]lj ifo xg . hn; ft] tyf phf{ jf hn; ft]  
tyf l; #f0 dGqfno gdfs/of u/7 eP klg hn; ft]nf0{Plss] ?kdf lj sf; ul/g'k5{.  
hn tyf phf{cfof]usf] ; lrjfnonf0{cfkmg]ej gaf6 lj :yflkt ug]s'/f ; d] ; lgg  
cfPsf]5 . o; f]eof]eg]s/f8f]nufgldf ab]zs ; xof]uaf6 :yflkt k':tsfno ; d]  
; fg{kG]cj:yf cfpG ; S5 h; af6 hn; ft] lj ifosf]Institutional Memory g}gi6 xg hfg]  
lg]Zrt 5 . hn; ft] ; DaGwdf pQm k':tsfnodf /x]f ; fdfullx? bhé ePsf]h]o; nf0{  
Toxfä6 sg}klg xfntdf ; fl/g' xB . hn; ft] dGqfnosf]lj efhgaf6 pTkG ; d:of  
; DaGwdf ; Ddfgglo kwfgdGqL Hohf0{; emj lbg Pp6f ; ldlT agfP/ cuf8L a9bf /fd]  
x65 .

**sfoGnd ; #fnsM ; Gh' pkf]bfo  
l6kf8stf]b08kl0f h}l  
ldltM@)^^.#.@#**