



nf\$lkp alg/x\$fsf8kmf; ; J f

0= ; Gtf]f k hfklt
sf8{kmg zfvf
sf=lf]g=



gkfn clw/fhosf]hg; S}:yfgsf]sf8kmgaf6 kmg ug{
; S5g\ Telephone-card sf8{kmgdf 3; fpbf o; df
/x\$fs]af\$ /sd sf8kmg]sf]LCD-Display df b]V65
/ sn ub]hfbf 36b]hfg]/sd klg o; df b]V65 . xfn
gkfn 6]hsdn]%)@))÷- / %))÷-sf]6]hknmg sf8{
pknAw u/f0{cfPsf]df rfB}g}%)÷- b/sf]6]hknmg
sf8{klg ahf/df Nofp}5 . o; sf8kmgaf6 Local
Call, STD, ISD / Toll free Call x% klg ug{; lS65 .
Emergency phone x% h;t}-100,101,197,198
6]hknmg sf8kagf klg kmg ug{; lS65 .

klj lw

- !_ 6]hknmg ; f Mgkfn 6]hsdaf6 ; ~rflnt sf8kmg
l; ;6ddf cfwlgS Indor / Outdoor set x% 5g\
hg Central Network Management System af6
cgludg ul/G5 . o; 6]hknmg ; fdf b0{nf0g, @)
clf/sf] LCD Display hl8t 5 . o; LCD-
Display df Call information display xG5 eg]
C% Information / lj 1fkg klg o; Display df
lbg ; lS65 . o; 6]hknmg ; fdf /x\$fs !^ Key
dWb]!@ Dialing Sf nflu xf]eg]af\$ \$ Special
purpose (Language Change, Card change, Vol-
ume control / Flash) Sf nflu kof] ul/Psf]5 .
- @_ **CSMS (Card phone Supervision & Main-
tenance System)** : Card phone System Sf]
; Dk0f{ Supervisions / Maintenance o; }
l; ;6daf6 ul/G5 . lj leG If]df /x\$fs sf8kmg]sf]
lj j /0f, o; af6 ePsf]call x% o; af6 x% ; lS65 .
CSMS Server Sf lf]g=sf]; Gwf/fdf /x\$fs]5 .
- #_ **Line Unit** : Line Unit Exchange / sf8kmg]sf]
alrdf kof] ul/G5 . o; n]sf8kmg; G lj z]f hand-

gkfn 6]hsdn]%)%* c; fh dlxgfb]v ; j {fwf/Of
hgtfsf nflu ; fj hlgS :yfgx%df k]kmg -sf8kmg
; j f z% u/\$f]5 . ; he tl/sfaf6 6]hknmg ; j f pknAw
u/fpg ; fj hlgS :yfgx% ; 8s, k%l, rf\$, xl:k6n,
SofDk; xftf, ; /sf/l sfof]o, k%l, ; f]sf Aof/\$x%df
sf8kmg h8fg ul/Psf]5 . # j if\$]cj lwdf o; ; j fn]
nf\$lkp tf kf0; s\$]f]5 . xfn # ; o %\$:yfgdf sf8kmg
h8fg e0; s\$]f]5 .

lj leG klj lwsf]k]kmg dWb]gkfn 6]hsdn]pknAw
u/fPsf]k]kmg Smart card af6 r]lg]k]kmg -sf8kmg
xf]. pkef]n]gkfn 6]hsdsf]k]kmg sf8{vl/b u/l



shaking protocol sf] dflModn] lg/Gt/ ; Dks{ ub5 . o; n] Exchange af6 cfPsf] 16KHZ sf] debiting pulse nf0{sf8knrgdf k7fpg] sfd ub5 . sf8knrgn] 7ls tl/sfn] response ug{g; s\$] v08df t'zGt Line agb ub5 . t; y{; fwf/Of 6]hknrg sf8knrgsf] nf0gdf hf]8Pdf Fraud attempt ; Dem nf0g agb ub5 .

-\$_ 6]hknrg sf8{M xfn kofu ePsf] 6]hknrg sf8{ EEPROM Chip ePsf] Smart card xf].

System Operation

o; sf8knrg l; :6d Offline-Scheme df sfd ub5 . k]o\$ k6s 6]hknrg sf8{ sf8knrgdf kofu ubf{ Card sf] Validity Check ub5 / Snkl5 Transaction data sf8knrgsf] Memory df /\$8{/xG5 . k]o\$ sf8knrgn] glZrt ; dodf Built-in modem sf]; xfofn] CSMS nf0{l/kf6{ub5 . k]o\$ l/kf6{sndf sf8knrgn] Transaction / Operational data CSMS nf0{l/kf6{ ub5 / CSMS n] sf8knrg Parameters -h:t}M Operational parameters, new card series, black lists etc.) nf0{sf8knrgdf Update ub5 . o; sf] ; fy} sf8knrgn] cfktsfnlg cj :yf cfPsf] v08df -h:t}M hand set x6fPsf] Card reader failure), sf8knrgn] CSMS nf0{t'zGt alarm k7fP5 . c; lj z]f cj :yf, CSMS n] Call me back" Call k7fPsf] v08df klg sf8knrgn] CSMS nf0{Call ub5 .

- sf8knrgsf] xfn]sf]cj :yf
- xfn; Dd h8fg ePsf] sf8knrg ; Vof - #%\$
- lfout lx; fadf sf8knrg h8fg
- sf7df8f] hfqlo lgbzgfno - #)@
- jL/ugH lfqlo lgbzgfno -e/tk/_ - !@
- e}xjf lfqlo lgbzgfno -e}xjf ± kf]/f_ - @*^±@@_
- gkfnuGh lfqlo lgbzgfno -gkfnuGh_ - ^
- wgu9L lfqlo lgbzgfno -wgu9L_ - ^
- lj/f6gu/ lfqlo lgbzgfno -)
- hDdf - #%\$

h8fg tyf dd£

sg]klg /lhi68{knd{; 3; ; :yf, SofDk; , c:ktfn cflbaf6 ; j {fwf/Ofsf]; j]sf]cfj Zostf afu u/l sf7df8f] lfqlo lgbzgfno sf8knrg zfvdf lgj]g cfPdf, sf8knrg zfvfn]; j {fwf/Ofn]; j]f pkofu xg]bl]vPdf sf8knrg h8fg ug]ub{cfPsf]5 . o; sf nflu knd{bt{ ug{z= %).- nflu5 . sf8knrg gkfn 6]hdsd}gdfdf

/xg]ePsfn]6]hknrg h8fg ug{sg}zNs nflu5 . sf8knrg h8fg ePsf] :yfgnf0{k]0e3 knd{; :yf]n] lgu/fgl ul/lbPafkt pQm sf8knrg lansf]!) kl'tzt sld; g lbg] Joj :yf 5 . 6]hknrg sf8{laqn ug]hf0{k]g !} kl'tzt 5bsf] Joj :yf ul/Psf]5 . sf8knrg h8fg tyf dd£ sfo{sf7df8f] hfqlo lgbzgfno sf8knrg zfvaf6 ug] Joj :yf ul/Psf]5 .

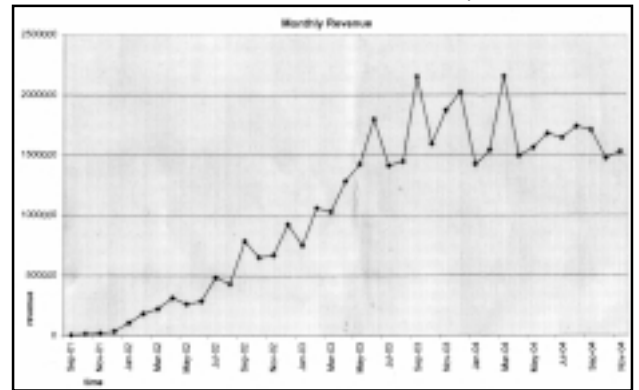
cfDbfgl

sf8knrg ; j]faf6 knrg ubf{nf\$ n Sn VAT / TSC ; dt] u/l z= @ kl'tsn nflu5 eg] Long distance sndf gkfn 6]hdsd]b/sf]egbf yk !} kl'tzt a9L zNs nflu5 . -sf8knrg ; j]faf6 ; j {fwf/Of pkefQfn] ; j]f kfgsf ; fy}of]; j]f sDkgl]cfDbfgl]sf]; ft] klg ag\$]5 .

xfn; Ddsf]cfDbfgl lj j /Of o; k\$]/ 5-

Revenue from smart card	5,13,92,200.00
Revenue from card tramaction	4,12,18,209.80
Average monthly revenue/Card phone	6000 to 68,000.00
Average no. of Call/day	5300 to 6500.00

o; /l x]f{k]t]bg %}) bl]v ^%)) hgfn]6]hknrg pkofu u/\$]bl]vG5 / cfDbfgl klg /fd]dfg ; lG5 .



efj L of]hgf

xfn sf8knrg ; j]f nf\$lk0 x6]uPsf]cj :yfnf0{ dllogh/ /fvL o; ; j]fnf0{yk lj :tf/ ub]n]hfg]of]hgf 5 . xfn]sf] #%\$; Vofnf0{j [4 u/l !%)) k%of0{k] { gkfnbl]v ; b/ klZrd gkfn; Dd g}; j]f lj :tf/ ug]of]hgf /x\$]5 .

xfn]sf] Outdoor telephone ; 3 GSM network df klg hf8g ; lsg]ePsfn] xfn fixed telephone ; j]f gePsf] Highway / a:tlx; df klg sf8knrg h8fg u/l ; j]f kbf]g ug{; lsg5 .