

NRrhlx<+ jkT;
fo|qr fu;ked vk;ksx
flapkbZ
dkWyksuh] 'kkafr uxj

jk;iqj] fnukad 7 vDVwej

@2013%&Hkkjr ljdkj }kjk uohudj.kh; ÅtkZ
lzksrks dks i;kj.kZ vuqdwy gksus ds otg ls ,d fo'ks"k egRro
nsrk gS A fo|qr vf/kfu;e 2003 Hkh Hkkjr ljdkj dks uhfr fu/kkZj.k
gsrq lqfo/kk iznku djrk gS ,oa jkT; fo|qr fu;ked vk;skxksa dks
muds vf/kdkj {ks= esa uohudj.kh; ÅtkZ lzksrks dks c<+kok nsus
gsrq vknsf'kr djrk gSA

tokgj yky usg: jk"V^ah; lkSj fe'ku us Hkkjr esa lkSj fo|qr ds
{ks= gsrg }kj [kksy fn;sA bl fe'ku dk izkFkfed :i ls /;ku o`gr
iSekus ij fxzM ls la;ksftr lkSj fo|qr la;a=ksa dks c<+kok nsus ij
gSA lkSj QksVks oksYVsd ekWM~;wyksa vkSj blds vU;
miLdjksa dh ,d vksj dherksa esa deh gksus vkSj nwljh vksj dfri;
miHkksDrk JsF.k;ksa dh njksa o`f) dks ns[krs gq;s fxzM ls
la;ksftr lkSj Nrksifj ¼:QVki½ ih-Ogh iz.kkfy;ka vkfFkZd :i ls
vkf/kdkf/kd oguh; gksrh tk jgh gSaA ,slh lkSj iz.kkfy;ka i;kZoj.k
ds izfr fe=or gSa vkSj ikjs"k.k rFkk forj.k gkfu;ksa dks de djus
dh n`f"V ls O;kid ykHkdjkh vkSj fo|qr dh xq.koRrk lq/kkj esa
dqN gn rd mi;ksxh fl) gks ldrh gSaA jkT; esa lkSj fo|qr mRiknu
dh izfrc)rk dks ns[krs gq;s ;g vuqHko fd;k x;k fd forj.k
vuqKfIr/kkfj;ksa ds Nrksifj ¼:QVki½ ih-Ogh lkSj fo|qr la;a=ksa
ls fo|qr mn~xzg.k gsrg njksa vkSj vU; lacaf/kr O;oLFkkvksa dks
lE;d :i ls ,d fofu;e }kjk

O;ofLFkr fd;k tk,A ,slh ifj;kstukvksa ls forj.k vuqKfIr/kkjkh }kjk izkIr dh xbZ fo|qr]
muds uohdj.kh; Ø; nkf;Ro gsrg vgZ gksxh

fo|qr vf/kfu;e] 2003 ¼lu~ 2003 dk 36½ fofu;e dh /kkjk 61] 86 lgifBr /kkjk 181
ds v/khu izkIr 'kfDr;ksa dk iz;ksx djrs gq;s] NRrhlx<+ jkT; fo|qr fu;ked vk;ksx
¼vk;skx½ ,rn~ }kjk fuEufyf[kr fofu;e] jkT; ds forj.k vuqKfIr/kkfj;ksa ds Nrksifj
¼:QVki½ ih-Ogh- lkSj ifj;kstukvksa ls fo|qr mikZtu gsrg njksa ds fu/kkZj.k gsrg]
cukrk gS A

1- y?kq 'kh"kZd vkSj izkjaHk

¼1½ bu fofu;eksa dks ^^NRrhlx<+ jkT; fo|qr

lkSj ÅtkZ ifj;kstukvksa ls fo|qr miktZu gsrg njksa dk
fu/kkZj.k½ fofu;e] 2013***** dgyk;saxsA

¼2½ ;s fofu;e jkti= esa izdk'ku dh fnukad ls izHkko'khy gksaxsA

2- ifjHkk"kk,a,a,a vkSj fuoZpu

¼1½ bu fn'kk&funsZ'kksa esa] tc rd lanHkZ ls vU;Fkk visf{kr u gks &

¼d½ ^vf/kfu;e* ls vfHkizsr gS] fo|qr vf/kfu;e] 2003 vkSj mlesa fd, x, ijorhZ
la'kks/ku(

¼[k½ ^dsanzh; fo|qr izkf/kdkjh ;k izkf/kdkjh* ls vfHkizsr gS] vf/kfu;e dh /kkjk
70 dh mi/kkjk ¼1½ esa lanfHkZr izkf/kdkjhA

¼x½ ^vk;ksx* ls vfHkizsr gS] vf/kfu;e dh /kkjk 82 dh mi/kkjk ¼1½ esa
lanfHkZr NRrhlx<+ jkT; fo|qr fu;ked vk;ksx(

¼?k ^ekStwnk ifj;kstuk* ls vfHkizsr gS] ,slh mRiknu ifj;kstuk,a tks bu
½ fofu;eksa dh vf/klwpuk ls igys dh fdLh fnukad ls lapkyu esa gSa(
^th.e* ls vfHkizsr gS] vk:kr :k fu:kZr ds ehVi] ftuds
forj.k vuqKflr/kkjh }kkj fo|qr ns;d fudkys tk;saxs(

¼p½ izfr"Bkfir {kerk* ;k vkbZ-lh- ls vfHkizsr gS] jkT; izkf/kdkjh }kkj
le;≤ ij vuqeksfnr Nrksifj ¼:QVki½ ih-Ogh- vkSj lkSj fo|qr mRiknu iz.kkjh
dh leLr bdkb;ksa dh ukeiV~Vh {kerkvksa dk dqy ;ksx ;k mRiknu dsanz dh
{kerk(

¼N½ ^varfcZUnq la;kstu* ls vfHkizsr gS] Nrksifj ¼:QVki½ ih-Ogh vkSj fo|qr
mRiknu lqfo/kk dk 33 dsok oksYVst Lrj ls uhps dk vUrQZyd fcUnq ¼baVjQsl
ikWbZaV½(

¼t½ ,uvkjvkbZ* ls vfHkizsr gS Hkkjr ljdkj dk uohu vkSj uohdj.kh; ÅtkZ
ea=ky;(

¼>½ vkSj Hkw/k`r lkSj fo|qr ifj;kstuk ;k ifj;kstuk* ls
vfHkizsr gS] dksbZ Nrksifj ¼:QVki½ ih-oh- vkSj vU; Hkw/k`r lkSj fo|qr
mRiknu dsUnz] ftldh {kerk 50 fdykokWV ,oa bls vf/kd vkSj 1 esxkokWV rd
gks] ftlesa ;FkkfLFkfr vUrlaZ;kstu fcUnq rd fudklh iz.kkjh lfEefyr gSa(

¼½ ^jkT; vfHkdj.k* ls vfHkizsr gS] NRrhlx<+ jkT; v{k; ÅtkZ fodkl
vfHkdj.k(

¼V½ ^lkSj ehVj ;k ,le* ls vfHkizsr gS] dksbZ ehVj ftls Nrksifj ¼:QVki½ ih-
Ogh vkSj vU; Hkw/k`r lkSj fo|qr mRiknu la;a= }kkj mRikfnr fo|qr ds ys[kkadu
vkSj ns;dkadu gsrq mi;ksx fd;k tkrk gS(

¼B½ ^mi;ksxh thoukof/k* fdLh Nrksifj ¼:QVki½ ih-Ogh vkSj Hkw/k`r fo|qr
mRiknu la;a=] ftlesa varlZa;kstu fcanq rd fudklh dh iz.kkjh lfEefyr gS] ds
laca/k esa vfHkizsr gS] ,slh mRiknu lqfo/kk ds okf.kfT;d lapkyu dh frfFk ls
iPphl o"kZ dh vof/k(

¼t½ ^o"kZ* ls vfHkizsr gS] dksbZ foRrh; o"kZA

2- vU; leLr vfHkO;fDr;ka ftudk ;gka mi;ksx fd;k x;k gS] rFkkfi ftUgSa ;gka
ifjHkkf"kr ugha fd;k x;k gS] ijarq vf/kfu;e esa ifjHkkf"kk fd;k x;k gS] dk ogh
vFkZ gksxk tks mUgSa vf/kfu;e esa iznku fd;k x;k gSA vU; vfHkO;fDr;ka ftudk ;gka
mi;ksx rks fd;k x;k gS] rFkkfi bu fofu;eksa esa vFkok vf/kfu;e esa fof"V :i ls
ifjHkkf"kr ugha fd;k x;k gS ijarq jkT; esa fo|qr m|ksx ds iz;ksT;] laln }kkj ikfjr
fdLh fof/k esa ifjHkkf"kr fd;k x;k gS] mudk ogh vFkZ gksxk tks mUgSa ,slh fof/k

esa iznku fd;k x;k gSA mi;qZDr ds v;/khu ;gka iz;qDr ijarq bu fofu;eksa esa ;k laln }kjk ikfjr fdllh fof/k esa fofk"Vr;k ifjHkkf"kr u dh xbZ vfHkO;fDr;ksa dk ogh vFkZ gksxk tks mUgas lkekU;r;k fo|qr m|ksx esa iznku fd;k tkrk gSA

3- {ks= vkSj ykxw gksus dh lhek

;s fofu;e mu lHkh izdj.kksa esa ykxw gksaxs tgka Nrksifj ¼:QVki½ ih-oh- vkSj vU; Hkw/k`r ih-oh- lkSj fo|qr ifj;kstukvksa ls mRikfnr fo|qr gsrq njksa dk vo/kkj.k vk;ksx }kjk vf/kfu;e dh /kkj 62 lgikfBr /kkj 86 ds v/khu fd;k tkuk gksA ijarq ;s fofu;e bu fofu;eksa ds fofu;e 4 esa fofufnZ"V ik=rk ekun.Mksa dh iwfrZ ds v;/khu gksaxsA

4- ik=rk ekunaM

¼1½ uohu vkSj uohdj.kh; ÅtkZ ea=ky; }kjk ;Fkk vuqeksfnr] fuEukuqlkj rduhdh okaNkvksa dks iwjk djus okyh Nrksifj ¼:QVki½ ih-Ogh- vkSj Hkw/k`r lkSj ÅtkZ rduhdsA

¼d½ ihoh ekWM~;wy vkSj bUoVZj

i. ek= ,slh Nrksifj ¼:QVki½ ih-Ogh- lkSj fo|qr ifj;kstuk,a tks lqlaxr vkbZbZlh@chvkbZ,l ekudksa ds vuq:i vkSj@vFkok dsanzh; fo|qr izkf/kdj.k }kjk fofufnZ"V iz;ksT; ekudksa ds vuq:i ih-Ogh- ekWM~;wy vkSj bUoVZj iz.kkfy;ksa dks yxkrh gSa] rduhdh :i ls vfgZr le>h tk;saxhA

ii. yxk;s tkus okys midj.k dh xq.koRrk lqlaxr Hkkjrh; ekud laLFkku vFkok vU; ekudksa esa lwphc) vfHk;kaf=dh :ikadu gsrq fn'kk&funsZ'kksa ds vuq:i gksus pkfg,]

¼k½ ik= ifj;kstuk {kerk

,slh Nrksifj ihoh lkSj fo|qr ifj;kstuk,a ftudh {kerk 50 fdyksokWV ,oa bls vf/kd vkSj ,d esxkokWV rd gS] c'krsZ os vU; rduhdh okaNkvksa dh iwfrZ djrh gksa] dks gh rduhdh :i ls ik= le>k tk;sxkA

¼x½ n`<+ la;kstdrk

i. vU; rduhdh vko';drksa dh iwfrZ ds v;/khu dsoy ,slh Nrksifj ¼:QVki½ ih-oh- o vU; Hkw/k`r ihoh lkSj fo|qr ifj;kstuk,a tks 33 dsah ls uhps ds oksYVst Lrj dh forj.k iz.kkyh ls la;ksfr gSa] bu fofu;eksa ds v/khu ,slh ifj;kstukvksa ds fy, ewy nj fu/kkZj.k djus gsrq ik= gksaxhA oksYVst ds lanHkZ esa jkT; fxzM ls varosZ'ku@vkgj.k gsrq fofgr ek=k fuEukuqlkj gS %

,lihoh {kerk	izdkj	fudklh Lrj
50 dsah & 100 dsah	Nrksifj@Hkw/k`r	U;wure 415 oksYV] 3 Qst+] 50
101dsah & 1000 dsah		U;wure 11 dsah] 3 Qst+] 50

ijUrq ;fn ,l-ih-Ogh- ifj;kstuk dk izfr"Bkfir {kerk vuqKflr/kkjh ls ekax izHkkj ls vf/kd gS] ml fLFkfr esa Msoyij }kjk fo|qr iznk; lafgrk ds vuqlkj ewyHkwr lajpuk ds foLrkj@fodkl ykxr dks ogu fd;k tk;sxk] ftlls fd vuqKflr/kkjh dks fo|qr dks fDr djus gsrq lqfo/kk feysA

ii. lkekU; :i ls la;kstdrk ds fy, dsanzh; fo|qr izkf/kdj.k }kjk fofufnZ"V
okaNuk,a iz;ksT; gksaxhA

iii. vuqKflr/kkjh dh forj.k iz.kkyh ls la;kstdrk dk dk;Z] forj.k vuqKflr/kkjh
}kjk] forj.k vuqKflr/kkjh ds izfrfuf/k] eq[; fo|qr fujh{kd vkSj jkT;
vfHkdj.k dh mifLFkfr esa fd;k tk;sxkA

$\frac{1}{4}$? $\frac{1}{2}$ ehVfjax ds izca/k

i. ehVfjax laca/kh vko';drk;sa] ehVjksa dk izfrLBkiu vkSj lapkyu dsanzh;
fo|qr izkf/kdj.k fofu;eksa ds vuqlkj gksaxsA

ii. ehVfjax ds }kjk lkSj ldy mRiknu] miHkksDrk Hkkj [kir] fxzM ls fo|qr dk
fu;kZr vkSj fxzM esa fo|qr dk vk;kr ds lkFk&lkFk] ,lh flLVe oksYVst
vkSj djsaV] fQZDosalh vkfn dk ekiu djuk gksxkA

iii. okafNr Mhth lSV vkSj@vFkok cSVjh bUoVZj vkfn dks lek;ksftr djus ds
fy, izLrkfor ehVfjax ldhe esa] lkSj fodklrZ dh vko';drkuqlkj] fcuk iwjs
Ldhe dh lqj{kk vkSj lhfyax] e; lksyj iSuy ls lksyj ehVj rd dh lHkh
dscfyax vkSj fLopfx;j dks izHkkfor djrs gq, vko';d ifjorZu fd, tk ldsaxsA

iv. fxzM ehVj vkSj lksyj ehVj] ;Fkk&dsanzh; fo|qr izkf/kdj.k ds ehVfjax
fofu;eu vuqlkj baVjQsl izdkj ds gksaxsA ;s ehVj fnu le; $\frac{1}{4}$ ToD $\frac{1}{2}$
okaNkvksa ds vuq;i Hkh gks ldrs gSa] ftlls bl izdkj dh ehVfjax dks vkus
okys le; esa lek;ksftr $\frac{1}{4}$,dkseksMsV $\frac{1}{2}$ fd;k tk ldsA lksyj ehVj dks lkSj
ÅtkZ $\frac{1}{4}$ SEM $\frac{1}{2}$ ds :i esa nfkZr 'kq) lkSj ÅtkZ&fu;kZr dh jhfMax dks Hkh
vfHkfyf[kr djuk pkfg,A

v. fxzM ehVj dk izfr"Bkiu vkSj la/kkj.k] forj.k vuqKflr/kkjh }kjk forj.k
vuqKflr/kkjh ls la;ksftr ifj;kstuk fodklrZ ds fy, vkSj mlds O;; ij fd;k
tk,xkA

$\frac{1}{4}$ M- $\frac{1}{2}$ lapkj varQZyd vkSj MkVk vokflr iz.kkyh &

i. lapkj dks bl ;ksX; gksuk pkfg, fd og fj;y VkbZe $\frac{1}{4}$ r{k.k $\frac{1}{2}$ MkVk
ykWfxax] bZosUV ykWfxax] v/kh{k.k fu;a=.k] lapkyu eksM vkSj lsV
IokbZaV laiknu dk leFkZu dj ldsA ftu ekunaMksa dk ekiu fd;k tkuk gS]
vkSj mUgsa yxkrkj iznf'kZr djuk gS muesa lkSj iz.kkyh rkieku] ,fEc;aV
rkieku] vfofdj.k@ vkblksys'ku] Mhlh djaV vkSj oksYVst] fxzM esa ,lh
var%{ksi.k $\frac{1}{4}$ izfr"Bkiu ds le; ,dckjxh ekiu $\frac{1}{2}$] bUoVZj dh n{krk] lkSj
iz.kkyh n{krk] ifjiDo izFkkvksa ij vk/kkfjr ihoh lkSj iz.kkyh ds
iznk;drkZ }kjk vko';d le>s x, dksbZ vU; ekunaM lfEefyr gSaA MkVk
ykWxj iz.kkyh dks fofHkUu i;kZoj.kh; vkSj fxzM ekunamksa ds lkSj
iz.kkyh }kjk mRikfnr fo|qr ij izHkko ds v;;u gsrq bu ekunaMksa dks
vfHkfyf[kr djuk pkfg, vkSj ckj pkVksZa] doksZa] rkfydkvksa ds ek;/e ls
fofHkUu fo'ys"k.k miyC/k djuk vko';d gksxk] ftUgsa js[kkaduksa
 $\frac{1}{4}$ M^akbZaXl $\frac{1}{2}$ ds vuqeksnu ds nkSjku gh vafre :i nsuk gksxkA

ii. lapkj varQZyd] bUoVZj dk vfoHkkT; Hkkx gksxk vkSj LFkkuh; dEI;wVj
,oa osc ds ek;/e ls ;k rks ekud eksMse ;k th,l,e@okbZ&QkbZ eksMe dk

mi;ksx djrs gq, fjeKsV ls la;ksftr djus ;ksX; gksxkA
ifj;kstuk fodklDrkZ dks osc vk/kkfjr i;Zos{k.kh; fu;a=.k ,oa MkVk vokflr
dks pkyw djus ds fy, leLr vko';d gkMZos;j izfr"Bkfir djds nsuk gksxk
ftlls bl iz.kkyh dh fuxjkuh] forj.k daiuh }kjk osc ds tfj, dh tk ldsA lkFk
gh] fodklDrkZ }kjk laiw.kZ LdkMk ¼SCADA½ izfr"Bkfir djds nsuk
vko';d gksxkA

¼p½ laca/kh vko';drk,a &

- i. fxzM esa Mhlh var%{ksi.k&bUoVZj ds vkÅViqV ij ,d vkblksys'ku
V^akaLkQkeZj dk mi;ksx djds fxzM esa Mhlh fo|qr dk var%{ksi.k cpk;k
¼jksdk½ tk;sxkA
- ii. ,lh lkbM ij gkeksZfuDl&,lh lkbM ij gkeksZfuDl dh lhek,a lqlaxr dsUnzh;
fo|qr izf/kdj.k ds fofu;eksa ls r; dh tk,axhA
- iii. oksYVst ds ifjorZu&,poh lkbM ij oksYVst dk vlarqyu lqlaxr dsUnzh;
fo|qr izf/kdj.k ds fofu;eksa ls r; dh tk,;xhA
- iv. oksYVst ds de ;k vf/kd gksus dh n'kkvksa esa] dksbZ vkiwfrZ u gksus ij
fxzM ls fola;kstu ds vfrfjDr] ihoh iz.kkfy;ksa esa leqfpr jsfVax ds ¶;wt+]
bUoVZj ds buiqV ¼Mhlh½ vkSj vkÅViqV ¼,½,lh½ lkbM ij vksojyksM ds
¶;wt+ vkSj 'kkVZ lfdZV cpko rFkk la/kkj.k gsrq Mhlh vkSj ,lh iz.kkyh
dks vkblksysVs djus gsrq fola;kstu fLop yxk, tk,;xsA
- v. 'kkVZ lfdZV ls cpko ds fy,] izR;sd lkSj vjs ekWM~;wy esa leqfpr jsfVax
ds ¶;wt+ miyC/k dj;k;s tk,;xsA
- vi. esU;qvy fola;kstu fLop % bUoVZj dh Lopfyr fola;kstu iz.kkyh esa fdllh
xM+cM+h dh vk'kadk dks nwj djus ds fy, fxzM esa Lopkfyr fola;kstu ds
lkFk&lkFk] forj.k vuqKflr/kkjh ds deZpkjh }kjk fxzM ls fola;kstu djus
vkSj fdllh izdkj dk la/kkj.k dk;Z djus gsrq esU;qvy ¼ekuoh;½ fola;kstu
fLop Hkh miyC/k dj;k;k tk,xkA forj.k vuqKflr/kkjh ds QhMj ds vk;ksftr
'kVMkmu ds nkSjku ;g fLop forj.k vuqKflr/kkjh
ds deZpkjh }kjk rkykcan ¼ykWd½ dj fn;k tk,xkA fLop dh rkykcanh
¼ykWfdax½ dh vko';drk dsoy 'kVMkmu ds nkSjku gh gks ldrh gSA
¼N½ vkWQ fxzM ,lioh ls lekukUrj lapkfyr dksbZ vU; tujsVj bu fofu;eksa ds
varxZr fofufnZ"V njksa gsrq ik= ugha gksaxsA
¼t½ ifj;kstuk fodklDrkZ dsUnzh; fo|qr izkf/kdj.k }kjk fofgr lqj {kk ekunaMksa
dk vuqiky u lqfuf'pr djsxkA
¼2½ ,slh Nrksifj ¼:QVki½ vkSj Hkw/k`r fo|qr ifj;kstuk,a tks fo|qr fu;e] 2005
esa ;Fkkfofgr dSfIVo mRiknu la;a= dh vko';drkvksa dks iwjk djrh gSa] dsoy
ogh bu fofu;eksa ds vuqlkj fofufnZ"V ewy ¼tsufjd½ njksa ds fy, ik= gksaxhA
¼3½ fxzM ckgj ds lkSj QksVks oksfYVd fo|qr la;a=] pkgs os Nrksifj
¼:QVki½ gksa ;k Hkw/k`r] bu fofu;eksa ds v/khu muds fy, njsa dsanz ,oa jkT;
dh iwath lgk;rk ls pj.k&1 esa tokgj yky usg: jk"V^ah; lkSj fe'ku ds varxZr
izfr"Bkfir uohu ,oa uohdj.kh; ÅtkZ ea=ky; }kjk vuqeksfnr ifj;kstuvksa gsrq

iz;ksT; vuqlkj gksaxhA

,slh ifj;kstukvksa dks fo|qr fu;e] 2005 ds varxZr dSfIVo mRiknu la;a= ds :i esa vfgZr gksuk pkfg,A ,slh ifj;kstuk,a tks ljdkjh vLirkyksa vkSj LokLF; dsUnzksa] vU; vLirkyksa vkSj futh nkukFkZ laxBuksa ds LokLF; dsUnzks] ljdkjh vkSj ljdkjh lgk;rk izkIr fo|ky;ksa vkSj 'kS {kf.kd laxBuksa] ljdkjh dk;kZy;ksa vkSj laxBuksa] uohu vkSj uohdj.kh; ÅtkZ ea=ky; }kjk bl mn~ns'; ls igys ls izksRlkfgr vkoklh; ladqy vkSj uohdj.kh; lzksrksa ds fodkl ds fy, dksbZ jkT; vfHkdj.k] uxjikfydk tSlS LFkkuh; fudk;] iapk;rsa] vkSj mlh ifjlj esa fLFkr miHkksDrk lgdkjh lfefr;ksa vkSj vU; xSj ?kjsyw izfr"BkiuA

5- fu;a=.k vof/k vFkok iqujh {k.k vof/k &

bu fu;eksa ds v/khu fu;a=.k vof/k vFkok iqujh {k.k vof/k 01@04@2013 ls 31@03@2016 jgsxhA

6- nj vof/k &

$\frac{1}{4}1\frac{1}{2}$ Nrksifj $\frac{1}{4}$:QVki $\frac{1}{2}$ ih-Ogh- lkSj fo|qr ifj;kstukvksa gsrq nj vof/k] lkSj fo|qr mRiknu iz.kkfy;ksa ds okf.kfT;d lapkyu dh frfFk ls iPphl $\frac{1}{4}25\frac{1}{2}$ o"kZ dh jgsxhA

$\frac{1}{4}2\frac{1}{2}$ ekStwnk ifj;kstuk gsrq bu fofu;eksa ds varxZr nj vof/k] ifj;kstuk forj.k vuqKfIr/kkjh ds chp ijLij lgefzr dh fnukad ls fopkj esa yh tk;sxhA

$\frac{1}{4}3\frac{1}{2}$ bu fofu;eksa ds vuqlkj fu/kkZfjr nj vuqPNsn 6 $\frac{1}{4}1\frac{1}{2}$ ds varxZr n'kkZ;s vof/k ds nkSjku iz;ksT; gksxhA

7- nj &

$\frac{1}{4}1\frac{1}{2}$ uohu ifj;kstuk gsrq iz;ksT; nj] lkSj ih-Ogh- vk/kkfjr fo|qr ifj;kstukvksa NRrhlx<+ jkT; fo|qr fu;ked vk;ksx $\frac{1}{4}$ uohdj.kh; ÅtkZ lzksrksa ij vk/kkfjr la;a=ksa ls mRikfnr fo|qr dh mRiknu nj vkSj lacaf/kr fo"k;ksa ds fu/kkZj.k dh 'krsZa vkSj n'kk;sa $\frac{1}{2}$ fofu;e] 2012 ds v;/k; 7 ds izko/kkuksa ds vuqlkj lqlaxr o"kZ gsrq vo/kkfjr ewy Lrjhd`r $\frac{1}{4}$ tsusfjd ysoykbZTM $\frac{1}{2}$ nj dh 50 izfr'kr gksxhA

$\frac{1}{4}2\frac{1}{2}$ ekStwnk ifj;kstuk gsrq iz;ksT; nj] lkSj ih-Ogh- vk/kkfjr fo|qr ifj;kstukvksa gsrq NRrhlx<+ jkT; fo|qr fu;ked vk;ksx $\frac{1}{4}$ uohdj.kh; ÅtkZ lzksrksa ij vk/kkfjr la;a=ksa ls mRikfnr fo|qr dh mRiknu nj vkSj lacaf/kr fo"k;ksa ds fu/kkZj.k dh 'krsZa vkSj n'kk;sa $\frac{1}{2}$ fofu;e] 2012 ds v;/k; 7 ds izko/kkuksa ds vuqlkj o"kZ 2013&14 gsrq vo/kkfjr ewy Lrjhd`r $\frac{1}{4}$ tsusfjd ysoykbZTM $\frac{1}{2}$ nj dh 50 izfr'kr gksxhA

$\frac{1}{4}3\frac{1}{2}$ bu fofu;eksa ds v/khu vo/kkfjr nj] ewy Lrjhd`r $\frac{1}{4}$ tsusfjd ysoykbZTM $\frac{1}{2}$ nj gksxhA

$\frac{1}{4}4\frac{1}{2}$ vk;ksx }kjk] Loizsfjr ;kfpdk Øeakd 18@2013 esa fnaukd 03@05@2013 dks ikfjr vkns`k esa tsufjd ysoykbZTM nj] o"kZ 2013&14 esa lh-vks-Mh- izkIr djus okys fo|qr la;a=ksa gsrq fu/kkZfjr fd;k x;k gSA vr% ekStwnk la;a=ksa ,oa o"kZ 2013&14 esa lh-vks-Mh- izkIr djus okys ,l-ih-Ogh- la;=ksa gsrq fo|qr nj 4-35 izfr ;wfuV gksxhA fo|qr la;a= fodklrZ }kjk fo|qr forj.k vuqKfIr/kkjh ds lkFk ,d nh?kZvof/k fo|wr Ø; le>kSrk $\frac{1}{4}$ ih-ih-, $\frac{1}{2}$ djuk gksxkA o"kZ 2013&14 ds

mijakr lh-vksMh- izkIr djus okys fo|qr la;a=ksa dh fo|qr nj vk;skx ds vkskeh
vkns'kksa ds vuqlkj gksxhA

8- fcfyax i)fr &

$\frac{1}{4} \frac{1}{2}$ forj.k vuqKflr/kkjh }kjk] miHkksDrk $\frac{1}{4}$ ftlds ifjlj esa ifj;kstuk
ds fy;s iznk; dh xbZ fo|qr vkSj tSlh og miHkksDrk Js.kh gsrq iz;ksT;
fxzM ehVj esa vfHkfyf[kr dh xbZ gS dk ns;d Hkstk tk;sxkA

$\frac{1}{4} \frac{2}{2}$ forj.k vuqKflr/kkjh }kjk ifj;kstuk ls izkIr vkSj bu fofu;eksa ds vuqPNsn 7
esa fofufnZ"V nj ij fxzM ehVj esa vfHkfyf[kr fo|qr ds fy;s ifj;kstuk fodklrZ
dks Hkqxrku fd;k tk;sxkA

$\frac{1}{4} \frac{3}{2}$,sls la;a= esa mRikfnr ldy fo|qr dk 51 izfr'kr ls vU;wu] ftls okf"kZd vk/kkj
ij fu/kkZfjr fd;k x;k gS dSfIVo mi;ksx ds fy, miHkksx esa fy;k tkuk pkfg,A ,slh
ifj;kstukvksa }kjk forj.k iz.kkyh esa okf"kZd fo|qr var%{ksi.k okf"kZd ldy
mRiknu dk 49 izfr'kr ls vf/kd ugha gksxkA ,sls izdj.k esa tgka ifj;kstuk }kjk
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dh xbZ vkf/kD;iw.kZ fo|qr] fo|qr&fu;kZr gsrq vgZ ugha gksxh vkSj ,slh
vkf/kD;iw.kZ fo|qr ds fy, dksbZ Hkqxrku ugha fd;k tk;sxkA

9- foyac ls Hkqxrku gsrq vf/kHkkj &

$\frac{1}{4} \frac{1}{2}$,slh n'kk esa tgka bu fofu;eksa ds v/khu Hkqxrku ;ksX; izHkkjksa dk
Hkqxrku] fdlh forj.k vuqKflr/kkjh }kjk ns;d dh frfFk ls 30 fnu dh vof/k
fd;k tkrk gS ogka cdk;k jkf'k vFkok mlds fdlh Hkkx ij 1-25 izfr'kr izfrekg
dh nj ls foyac Hkqxrku vf/kHkkj] ifj;kstuk fodklrZ }kjk olwy fd;k
tk;sxkA

$\frac{1}{4} \frac{2}{2}$ QqVdj miHkksDrk gsrq foyac Hkqxrku izHkkj lqlaxr nj vkns'k ds
izko/kkuksa ds vuqlkj olwyuh; gksaxsA

10- ,slh ifj;kstukvksa ls forj.k vuqKflr/kkjh }kjk izkIr dh xbZ fo|qr] tks fd bu
fofu;eksa ds vuqlkj gS] muds uohdj.kh; Ø; nkf;Ro gsrq vgZ gksxhA

11- dfBukbZ;ksa dks nwj djus dh 'kfDr &

vk;ksx] ;k rks Lor% ;k fdlh O;fDr }kjk vkosnu fd, tkus ij] bu fofu;eksa dks
iqjhf{kr dj ldsxk vkSj bu fofu;eksa ds izko/kkuksa dks izHkko'khy djus esa
fdlh dfBukbZ dks nwj djus ds fy, leqfpr vkns'k ikfjr dj ldsxkA

Vhi%& bl fofu;e ds fgUnh laLdj.k dh vaxzsth laLdj.k ls izko/kkuksa dh O;k[k ;k
le>us esa varj gksus dh n'kk esa] vaxzsth laLdj.k $\frac{1}{4}$ ewy laLdj.k $\frac{1}{2}$ dk rkRi;Z lgh
ekuk tk,xk vkSj bl laca/k esa fdlh Hkh fookn dh fLFkfr esa vk;ksx dk fu.kZ;
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1-fo|qr vf/kfu;e] 2003 $\frac{1}{4}$ lu~ 2003 dk 36 $\frac{1}{2}$ fofu;e dh /kkjk 61] 86 lgfBr /kkjk 181 ds
v/khu izkIr 'kfDr;ksa dk iz;ksx djrs gq;s] uker% NRrhlx<+ jkT; fo|qr fofu;ked
vk;ksx $\frac{1}{4}$ uohdj.kh; ÅtkZ lzksrksa ij vk/kkfjr la;a=ksa ls mRikfnr fo|qr dh

mRiknu nj vkSj lacaf/kr fo"ksa ds fu/kkZj.k dh 'krsZa vkSj n'kk;sa½ fofu;e] 2012 ¼,rfLeui'pkr~ ewy fofu;e dgs tk;saxs½ vf/klwfpr fd;s x;s FksA ;s fofu;e iou vk/kkfjr fo|qr mRiknu dsanzksa] y?kq ty fo|qr mRiknu dsanzksa] ck;ksekWl vk/kkfjr fo|qr mRiknu dsanzksa vkSj lkSj vk/kkfjr fo|qr mRiknu dsanzksa gsrq forj.k vuqKflr/kkfj;ksa dks fo|qr ds foØ; ds mn~ns'; ls nj dh 'krksZa vkSj n'kkvksa dks fofufnZ"V djrs gSaA

2-uohu vkSj uohdj.kh; ÅtkZ ea=ky; }kjk ns'k esa lkSj ÅtkZ ds fodkl gsrq ,d egRokdka{kh dk;ZØe pyk;k tk jgk gSA NRrhlx<+ jkT; uohdj.kh; ÅtkZ fodkl vfHkdj.k ¼ØsMk½] tks jkT; esa uohdj.kh; ÅtkZ ds fodkl gsrq laidZ vfHkdj.k gS rFkk jkT; ds vU; dbZ lkSj ÅtkZ fodklrZvksa] laxBuksa@laLFkkvksa ftuds ikl Nrksifj lkSj ihoh fo|qr la;a= gSa] }kjk Nrksifj lkSj fo|qr ifj;kstuvksa ds fy, nj lqfuf'pr djus gsrq vH;kosnu fn;s x;s FksA muds }kjk fuosnu fd;k x;k Fkk fd lkSj fo|qr mRiknu ds vodk'kksa@yhu ¼detksj½ vof/k;ksa tks gfjr fo|qr gS og vkf/kD; esa gks tkrh gS vkSj vuq;ksfxr jg tkrh gSA fd;s x;s vuqjks/k ds vuqlkj ,slh fo|qr dh gkfu ,d jk"Vªh; {kfr gS vkSj bls leqfpr :i ls fglkc esa fy;k tkuk pkfg,A bl fuosnu ij lE;d :i ls fopkj djus dh vko';drk gS vkSj ;g fu.kZ; fy;k x;k fd ,d leqfpr fofu;e dh lajpuk ls bu eqn~nksa ij /;ku fn;k tk,A

tokgj yky usg: jk"Vªh; lkSj fe'ku us Hkkjr esa lkSj fo|qr ds {ks= gsrq }kj [kksy fn;sA bl fe'ku dk izkFkfed :i ls /;ku o`gr iSekus ij fxzM ls la;ksftr lkSj fo|qr la;a=ksa dks c<+kok nsus ij gSA lkSj QksVks oksYVsd ekWM~;wyksa vkSj blds vU; miLdjksa dh ,d vksj dherksa esa deh gksus vkSj nwljh vksj dfri; miHkksDrk JsF.k;ksa dh njksa o`f) dks ns[krs gq;s fxzM ls la;ksftr lkSj Nrksifj ihoh iz.kkfy;ka vkfFkZd :i ls vkf/kdkf/kd oguh; gksrh tk jgh gSaA ,slh lkSj iz.kkfy;ka i;kZoj.k ds izfr fe=or gSa vkSj iksj"n.k rFkk forj.k gkfu;ksa dks de djus dh n`f"V ls O;kid ykHkdkjh vkSj fo|qr dh xq.koRrk lq/kkj esa dqN gn rd mi;ksxh fl) gks ldrh gSaA jkT; esa lkSj fo|qr mRiknu dh izfrc)rk dks ns[krs gq;s ;g vuqHko fd;k x;k fd forj.k vuqKflr/kkfj;ksa ds Nrksifj ihoh lkSj fo|qr la;a=ksa ls fo|qr mn~xzg.k gsrq njksa vkSj vU; lacaf/kr O;oLFkkvksa dks lE;d :i ls ,d fofu;e }kjk O;oLFkr fd;k tk,A ,slh ifj;kstuvksa ls forj.k vuqKflr/kkjh }kjk izklr dh xbZ fo|qr] muds uohdj.kh; Ø; nkf;Ro gsrq vgZ gksxh fo|qr vf/kfu;e] 2003 ¼lu~ 2003 dk 36½ fofu;e dh /kkjk 61] 86 lgifBr /kkjk 181 ds v/khu izklr 'kfDr;ksa dk iz;ksx djrs gq;s] NRrhlx<+ jkT; fo|qr fu;ked vk;ksx ¼vk;ksx½ ,mn~ }kjk fuEufyf[kr fofu;e] jkT; ds forj.k vuqKflr/kkfj;ksa ds Nrksifj ih-Ogh- lkSj ifj;kstuvksa ls fo|qr mikZtu gsrq njksa ds fu/kkZj.k gsrq] cukrk gS A

3-Nrksifj ihoh lkSj fo|qr la;a= izkFkfed :i ls vafre mi;ksxdrkZvksa }kjk viuh Lo;a dh fo|qr laca/kh vko';drk dks iwjk djus ds fy, izfr"Bkfir fd;s tkrs gSaA ,sls ifj;kstuv fodklrZvksa dks dsanz ljdkj vkSj jkT; ljdkj }kjk NwV iznku dh tkrh gSA fo|qr vf/kfu;e] 2003 ds vuqlkj ,sls la;a=ksa dks dSfIVo mRiknu la;a= ds :i esa Js.khc) fd;k tk ldrk gSA dSfIVo mRiknu la;a= laca/kh okaNk,a fo|qr fu;e] 2005 esa fofgr dh xbZ gSaA jk"Vªh; fo|qr uhfr bl ckr dks js[kkafdr djrh gS fd forj.k vuqKflr/kkfj;ksa vkSj dSfIVo mRikndksa ds chp dSfIVo

fo|qr la;a=ksa ls izklr vfrfjDr {kerk ds nksgu ds fy;s leqfpr okf.kfT;d izca/k fd;s tkus pkfg,A jk"Vªh; fo|qr uhfr leqfpr fu;ked vk;ksx dks dSfIVo mRikndksa vkSj

vuqKflr/kkfj;ksa ds chp ,sls okf.kfT;d izca/kksa ij fu;ked n`f"Vikr djus vkSj tgka vuqKflr/kkjh fdlh dSfIVo la;a= ls fo|qr ysrk gS ogka njksa ds fu/kkZj.k gsrq vknsf'kr djrh gSA nj uhfr esa mYysf[kr gS fd dSfIVo mRiknu la;a= }kjk forj.k vuqKflr/kkjh dks iznk; dh xbZ vfrfjDr fo|qr ds ewY; esa okLrfod Lrjksa ij mRiknu dh ifjorZuh; ykxr vkSj {kerk izHkkjksa ds fy, ;qfDr;qDr {kfriwfrZ dk lekos'k gksuk pkfg,A ysfdu lkSj fo|qr ifj;kstukvksa ds ekeysa esa ifjorZfu; izHkkjksa dk ?kVd gksrk gS bldk vFkZ ;g gS fd Nrksifj fo|qr ifj;kstuk,a {kerk izHkkjksa ds fy, ;qfDr;qDr {kfriwfrZ dh gh ik= gSaA bls /;ku esa j[krs gq;s fd Nrksifj lkSj fo|qr fodkldrKZ }kjk NwV izklr dh tk jgh gS vkSj ,slh ifj;kstukvksa dks vkSfpR;iw.kZ {kerk izHkkj fn;s tkuk gaS} ;g izLrkfor gS fd Nrksifj lkSj ifj;kstuk ¼ekStwnk vkSj uohu ifj;kstuk,a] nksuksa½ gsrq NRrhIx<+ jkT; fo|qr fofu;ked vk;ksx ¼uohdj.kh; ÅtkZ lzksrksa ij vk/kkfjr la;a=ksa ls mRikfnr fo|qr dh mRiknu nj vkSj lacaf/kr fo"K;ksa ds fu/kkZj.k dh 'krsZa vkSj n'kk;sa½ fofu;e] 2012 ds v/khu lkSj ihoh vk/kkfjr fo|qr ifj;kstukvksa ds fy, vo/kkfjr ewy Lrjhd'r nj dk 50 izfr'kr j[kk tk,A

4-,slh lkSj fo|qr ifj;kstukvksa dh la;kstdrk] ehVfjax] fxzM ekud vkSj lqj {kk laca/kh igwy lqlaxr dsanzh; fo|qr izkf/kdkjh ds fofu;eksa ls 'kkflr gksaxsA

5-ifj;kstuk fodkldrKZ gsrq vkSj mlds ewY; ij forj.k vuqKflr/kkjh }kjk leqfpr ehVfjax midj.k izfr"Bkfir fd;s tk;saxsA 'kq) fo|qr ds fy, fcfyax dks viukus ds ctk; ;g izLrkfor gS fd miHkksDrkvksa dks [kqnjk fo|qr fcfyax ,d lkekU; miHkksDrk dh Hkkafr dh tk, vkSj fo|qr Ø; gsrq fcfyax i`Fkd ls dh tk,A

Chhattisgarh State Electricity Regulatory Commission
Irrigation Colony, Shanti Nagar,
Raipur, Dated October 7, 2013

Chhattisgarh State Electricity Regulatory Commission
(Determination of tariff for procurement of power from Rooftop PV
Solar Power Projects by distribution licensees of State) Regulations,
2013

No. 52/CSERC/2013 Govt. of India is giving thrust to develop renewable source of energy being environment friendly in nature. Also the Electricity Act 2003 provides for policy formulation by the Government of India and mandates State Electricity Regulatory Commissions (SERCs) to take steps to promote renewable sources of energy within their area of jurisdiction.

Jawaharlal Nehru National Solar Mission (JNNSM) opened up the solar electricity sector in India. The primary focus of this mission is to encourage large-scale grid-connected solar power plants. With the reduction in prices of solar photovoltaic (PV) modules and its other auxiliaries on the one hand, and the high and rising tariffs of certain consumer categories on the other, grid-connected solar Rooftop PV

systems are becoming increasingly viable economically. Such solar systems are environmental friendly and can offer substantial benefits in terms of reducing T&D losses and improving power quality to certain extent. With a vowed objective to enhance solar power generation in the State it is felt that tariff for procurement of power from Rooftop PV Solar Power Projects by distribution

licensee and other related dispensations be suitably addressed in a Regulation. Power procured by distribution licensee from such projects can also qualify for their renewable purchase obligation.

Keeping the above in view and in exercise of powers vested under section 61, 86 read with Section 181 of the Electricity Act 2003 (36 of 2003) and all other powers enabling it in this behalf, the Chhattisgarh State Electricity Regulatory Commission (the Commission) hereby makes the following Regulations specifying the terms and conditions of tariff for procurement of power from rooftop PV solar power projects by distribution licensees of the State.

1. Short Title and Commencement

- (1) These Regulations may be called the “Chhattisgarh State Electricity Regulatory Commission (Determination of tariff for procurement of power from Rooftop PV Solar Power Projects by distribution licensees of State) Regulations, 2013.

2. Definitions and interpretations

- (1) In these Regulations, unless the context otherwise requires,-

- a) ‘Act’ means the Electricity Act, 2003 and subsequent amendment thereof;
- b) ‘Central Electricity Authority or Authority’ means the Authority referred to in sub-section (1) of Section 70 of the Act;
- c) ‘Commission’ means the Chhattisgarh Electricity Regulatory Commission as referred in subsection (1) of section 82 of the Act;
- d) ‘Consumer Meter or CM’ means a meter used for accounting and billing of electricity supplied to the consumer but excluding those consumers covered under Interface Meters;
- e) Existing project means generating project which are under operation from a date prior to notifications of the Regulations;
- f) ‘Grid Meter or GM’ means import and export meter on the basis of which energy bills shall be raised by Distribution licensee;
- g) ‘Installed capacity’ or ‘IC’ means the summation of the name plate capacities of all the units of the Rooftop PV Solar Power generating system or the capacity of the generating station (reckoned at the generator terminals), approved by the State Agency from time to time;
- h) ‘Inter-connection Point’ shall mean the interface point of the Rooftop PV Solar Power generating facility with the distribution network at voltage levels below 33kV;
- i) ‘MNRE’ means the Ministry of New and Renewable Energy of the Government of India
- j) ‘Rooftop PV & ground mounted Solar Power Project’ or ‘Project’ means a Rooftop PV and other ground mounted solar power generating station, with a capacity more than 50 kW and upto 1MW, including the evacuation system up to interconnection point, as the case may be;
- k) ‘State Agency’ means the Chhattisgarh State Renewable Energy Development Agency;
- l) ‘Solar Meter or SM’ means a meter for used for accounting and billing of electricity generated by the Rooftop PV and other ground mounted Solar Power Generating Plant;

m) 'Useful Life' in relation to a unit of a generating station for a Rooftop PV and Ground mounted Solar Power Project including evacuation system shall mean the 25 years duration from the date of commercial operation (COD) of such generating facility

n) 'Year' means a financial year;

(2) All other expressions used herein although not specifically defined herein, but defined in the Act, shall have the meaning assigned to them in the Act. The other expressions used herein but not specifically defined in these Regulations or in the Act but defined under any law passed by the Parliament applicable to the electricity industry in the State shall have the meaning assigned to them in such law. Subject to the above, the expression used herein but specifically defined in this regulation or in the Act or any law passed by the Parliament shall have the meaning as is generally assigned in the electricity industry.

3. Scope and extent of application

These Regulations shall apply in all cases where tariff, for electricity generated from Rooftop PV and other grounded PV Solar Power Projects is to be determined by the Commission under Section 62 read with Section 86 of the Act. Provided that these Regulations shall apply subject to the fulfillment of eligibility criteria specified in regulation 4 of these Regulation.

4. Eligibility Criteria

(1) Rooftop PV and ground mounted Solar Power technologies, as approved by MNRE, fulfilling the technical requirement as outlined below:

(A) PV Modules and Inverter Systems

(i) The Rooftop PV Solar Power Projects deploying PV modules and Inverter systems complying with relevant IEC/BIS standards and/or compliant with applicable standards as specified by Central Electricity Authority shall alone be considered to be technically qualified.

(ii) The quality of equipment to be deployed should meet the guidelines for engineering design included in the standards and codes listed in the relevant ISI and other standards,

(B) Eligible Project Capacity

Rooftop PV Solar Power Projects, with a capacity of 50 kW and above and upto 1MW, subject to fulfillment of other technical requirements, shall alone be considered to be technically qualified.

(C) Grid Connectivity

(i) Subject to fulfillment of other technical requirements, Rooftop PV and other grounded PV Solar Power Projects connected to the distribution network at voltage levels 33kV and below shall alone be eligible for generic tariff determined for such projects under these Regulations

SPV Capacity	Type	Evacuation level
50 kW – 100 kW	Roof top/ ground mounted	Min 415V, 3 Phase, 50 Hz
101 kW – 1000 kW		Min 11 KV, 3 Phase, 50 Hz

Provided that if the installed capacity of the SPV project is more than the contracted load with licensee than the developer shall bear the applicable infrastructure augmentation/development charges, if any according to the provisions of prevailing Supply Code to facilitate the concern licensee for power evacuation.

- (ii) In general the requirements specified by CEA for connectivity would be applicable.
- (iii) Connectivity with distribution system of the licensees will be carried out by distribution licensee in the presence of

representative from distribution licensee, Chef Electrical Inspector and State agency.

(D) Metering Arrangement

- (i) Metering requirements shall be as per CEA Regulations on “Installation and Operation of Meters“.
- (ii) The metering is required to measure the solar gross generation, consumer load consumption, export of energy to the grid and import of energy from the grid besides measurement of AC system voltages and currents, frequency etc.
- (iii) Necessary changes in the proposed metering scheme to accommodate for required DG sets and/or battery inverter etc., as per need of solar developer may be adopted without affecting the security and sealing of complete metering system besides all cabling and switchgear from solar panel to the solar meter(SM).
- (iv) The Grid Meter (GM) and Solar Meter (SM) shall be interface type as envisaged in the CEA metering regulations. These meters may also comply the Time of Day (ToD) requirements so as to accommodate this type of metering in future course of time. Also the SM would record net solar energy export reading indicated as SE(N).
- (v) Interface meters (main meter) shall be installed and maintained by the distribution licensee for and at the cost of the project developer connected to distribution licensee.

(E) Communication interface and Data Acquisition system

- (i) The communication must be able to support real time data logging, Event logging, Supervisory control, Operational modes and Set point editing. The parameters to be measured and displayed continuously include Solar system temperature, Ambient temperature, Solar irradiation/isolation, DC current and Voltages, AC injection into the grid (one time measurement at the time of installation), efficiency of the inverter, Solar system efficiency, Display of I-V curve of the solar system, any other parameter considered necessary by supplier of the solar PV system based on prudent practice. Data logger system must record these parameters for study of effect of various environmental & grid parameters on energy generated by the solar system and various analysis would be required to be provided through bar charts, curves, tables, which shall be finalized during approval of drawings.
- (ii) The communication interface shall be an integral part of inverter and shall be suitable to be connected to local computer and also remotely via the web using either a standard modem or a GSM / WiFi modem. The project developer must install all the required hardware to have this web based Supervisory Control and Data Acquisition (SCADA) operational such that the system can be monitored via the web from distribution company office. Also, full fledged SCADA is required to be installed by the developer.

(F) Power Quality Requirements

- (i) DC Injection into the grid: The injection of DC power into the grid shall be avoided by using an isolation transformer at the output of the inverter.

- (ii) Harmonics on AC side: The limits for Harmonics on AC side would be as stipulated under relevant CEA Regulations,
- (iii) Voltage variation: The voltage unbalance at HV side shall be governed according to relevant CEA Regulations.
- (iv) In addition to disconnection from the grid on no supply, under and over voltage conditions, PV systems shall be provided with adequate rating fuses, fuses on inverter input side (DC) as well as output side (AC) for overload and short circuit protection and disconnecting switches to isolate the DC and AC system for maintenance.
- (v) Fuses of adequate rating shall also be provided in each solar array module to protect them against short circuit.
- (vi) Manual Disconnection Switch: In order to avoid possibility of malfunctioning with the automatic disconnection system of the inverter, manual disconnection switch besides automatic disconnection to grid would also be provided to isolate the grid connection by distribution licensee's personnel and to carry out any maintenance. This switch shall be locked by the distribution licensee's personnel during the planned shutdown of the distribution licensee's feeder. Locking of the switch may be required only under shutdown.
- (G) Any other generators operating in parallel to the off-grid SPV shall not be eligible for tariff specified under these Regulations.
- (H) The project developer shall ensure compliance safety standards as prescribed by the Central Electricity Authority (CEA).

- (2) Solar roof top and ground mounted power projects which fulfil the requirements of captive generating plant as prescribed in the Electricity

Rules, 2005, shall only be eligible for generic tariff specified according to these Regulations.

(3) Tariff for Off Grid Solar Photovoltaic (Off-grid SPV) power plant, either roof top or ground mounted, under these Regulations shall be applicable for MNRE, approved projects which are installed in phase -1 under JNNSM with capital assistance from Central Govt. as well as State Govt., The projects should qualify as captive generating plant as mandated in the Electricity Rules, 2005. Projects installed in Government hospitals and health centres, other hospital and health centre of any private charitable organization, Government and Government aided schools and academic institutions, Government offices and organizations, any housing complex already promoted for this purpose by MNRE or State agency for the development of renewable sources, local bodies like municipalities, panchayats and cooperative societies of consumers located in the same premises and other non-domestic installations.

5. Control Period or Review Period

The Control Period or Review Period under these Regulations shall be of three years, from 01.04.2013 to 31.03.2016.

6. Tariff period

- (1) The tariff period for Rooftop PV Solar Power Projects shall be twenty five (25) years from the date of commercial operation of the solar power generating systems.
- (2) Tariff period under these Regulations for existing project shall be considered from the date as mutually agreed between project developer and distribution licensee.
- (3) Tariff determined as per these Regulations shall be applicable for the entire duration of the Tariff Period as stipulated under Clause 6(1).

7. Tariff

- (1) Applicable tariff for new project will be 50% of the generic levellised tariff determined for Solar PV based Power Projects for relevant years as per provisions of the Chapter 7 of the Chhattisgarh State Electricity Regulatory Commission (Terms and conditions for determination of generation tariff and related matters for electricity generated by plants based renewable energy sources) Regulations, 2012.
- (2) Applicable tariff for existing project will be 50% of the generic levellised tariff determined for Solar PV based Power Projects for relevant years as per provisions of the Chapter 7 of the Chhattisgarh State Electricity Regulatory Commission (Terms and conditions for determination of generation tariff and related matters for electricity generated by plants based renewable energy sources) Regulations, 2012.
- (3) Tariff determined under these Regulations shall be generic levellised tariff.
- (4) The Commission vide Order dated May03, 2013 in Suo-Motu Petition No. 18 of 2013 has specified generic levellised tariff for Solar PV based Power Projects achieving CoD in the year 2013-14. Accordingly tariff for existing projects as well as achieving CoD in FY 2013-14 will be Rs. 4.35 per kWh for the solar PV plants. Developers will have to execute long term PPA for its useful life with distribution companies in the State. Tariff for the projects commencing CoD after 2013-14 will be governed through subsequent Orders.

8. Billing methodology

- (1) Distribution licensee shall bill to the consumer, in whose premises project is installed, for power supplied by it, in accordance with tariff applicable to the consumer category
- (2) Distribution licensee shall pay to the project developer for the energy received from the project at tariff specified in Clause (7) of these Regulations.
- (3) Not less than fifty one percent of the aggregate net electricity generated in such plant, determined on an annual basis, should be consumed for the captive use. Annual energy injection by the projects to the distribution system shall not be more than 49% of the annual net generation. In case the annual energy injection by project is more than 49%, the excess energy supplied to distribution licensee shall not qualify for export of energy and no payment will be made for such excess energy.

9. Late Payment Surcharge

- (1) In case the payment of any bill for charges payable under these Regulations is delayed by a distribution licensee beyond a period of 30 days from the date of billing, a late payment surcharge at the rate of 1.25% per month or the part thereof on outstanding amount shall be levied by the project.
- (2) Late payment surcharge for the retail consumer shall be recoverable as per the provisions of relevant tariff order.

10. Power procured by distribution licensee from such projects, which are governed by these regulations,, shall qualify for their renewable purchase obligation.

Only the quantum for which payment has been made by distribution licensee shall qualify for RPO. The developers governed under these regulations.

11. Power to remove difficulties

If any difficulty arises in giving effect to these Regulations, the Commission may, of its own motion or otherwise, by an order and after giving a reasonable opportunity to those likely to be affected by such order, make such provisions, not inconsistent with these regulations, as may appear to be necessary for removing the difficulty

By the Order of the Commission

(P.N. Singh)
Secretary

