## **h8fg r]sln:6 – ;f}o{ ldgL–lu|8 k|0ffnL**

|  |
| --- |
| ldlt: ***[ldlt pNn]v ug{'xf];\ .]***…………………………………………………..  kl/of]hgfsf] gfd: ***[kl/of]hgfsf] gfd pNn]v ug{'xf];\ .]***………………………………  kl/of]hgfsf] 7]ufgf: ***[kl/of]hgfsf] 7]ufgf pNn]v ug{'xf];\ .]*** …………………………………  k|b]z: ***[k|b]zsf] gfd pNn]v ug{'xf];\ .]*** ………………………………………… |

# s= k|0ffnLsf] r]shfFr ug{'cl3

|  |  |
| --- | --- |
| != | ljB't;Fu sfd ubf{ plrt ;'/Iff k|lqmof / pks/0f k|of]u ug{'xf];\ . |
| @= | ;a} l8:sg]S6/x¿df r]tfjgL ;+s]t /x]sf] / aGb (off) ul/Psf] k'li6 ug{'xf];\ . o;n] /fd|f];Fu kl/If0f gu/];Dd nfOgdf kfj/ cfpg g;Sg] ;'lglZrt u5{ / r]tfjgL ;+s]tn] aS;df nfOe sG8S6/x? x'g ;Sg] eg]/ c?nfO{ r]tfjgL lbG5 . |

#### v= lkle P/]

|  |  |
| --- | --- |
| != | ;a} df]8\o"nx¿ dfplG6ª a|fs]6x¿df ;'/lIft ¿kdf ;+nUg 5 jf 5}g ;'lglZrt ug{'xf];\ . |
| @= | df]8\o"nx¿ / h+Szg aS;x¿ df s]lx Iflt ePsf] jf tf/x¿ v's'nf] ePsf] lgl/If0f ug{'xf];\ . |
| #= | ;a} df]8\o"nx¿sf] sg]S6/x? 6fO6 5g\ ls 5}gg\ hfFr ug{'xf];\ . |
| $= | df]8\o'ndf s'g} 5fofF ;d:of lagf array spacing kof{Kt 5 ls 5}g hfFr ug{'xf];\ . |
| %= | k|To]s Combiner box vf]Ng'xf];\ / ;lx ef]N6]h hfFr u/]/ k|To]s l;l/h :6«Lªdf v'nf ;ls{6 ef]N6]h (Open Circuit Voltage) k/LIf0f ug{'xf];\ . ;a} DC 6ld{gnx¿df 6s{ k'gM hfFr ug{'xf];\ . |
| ^= | k|0ffnLnfO{ kfj/ ck ug{' cl3, clGtd P/] a|]s]/x?df, ;lx ef]N6]h / sg]S;g l7s /x]sf] hfFr u/]/ v'nf ;ls{6 ef]N6]h kl/If0fx¿ bf]xf]of{pg';\ . |
| &= | df]8\o"nx¿ u|fp08 ul/Psf] sG8S6/nfO{ cj/f]w gu/L df]8\o"nsf tf/x? x6fpg ;lsG5 eg]/ hfFr ug{'xf];\ . |
| \*= | df]8\o"nx¿df n]jnx¿sf] nflu hfFr ug{'xf];\ .  ædf]8\o"nx¿sf] 6ld{gn jf ln8x¿df +/- lrGx nufOPsf] x'g'kb{5 . df]8\o"nx¿\sf] l:6s/df ;'/Iffsf] nflu clwstd cf]e/ s/]G6 pks/0f d"Nof+sg / !\_ v'nf ;ls{6 ef]N6]h (Open Circuit Voltage) @\_ ck/]l6ª ef]N6]h #\_ clwstd ef]N6]h $\_ck/]l6ª s/]G6 %\_ ;6{ ;ls{6 s/]G6 ^\_ clwstd kfj/ n]lvPsf] x'g'kb{5 ." |
| ( | Kofgn ;kmf ug{sf nflu rflxg] ;fdu|Lx? h:t}M – kfgL , kfOk cflbsf] k|fjwfg / Joj:yf 5jf 5}g ;'lglZrt ug{'xf];\ . |

#### u= jfol/ª

|  |  |
| --- | --- |
| != | P/]df h8fg ePsf tf/x/sf] ;xL /]l6ª, o"eL–;+/lIft OG;'n]zg / gfËf] 5 jf 5}g To;sf] hfFr ug{'xf];\ . |
| @= | ;a} tf/x¿ / sG8\o{'6x? plrt ¿kdf /]l6ª ul/Psf], ;kmf / /fd|f];Fu h8fg ePsf 5g\ jf 5}gg\ hfFr ug{'xf];\ . |
| #= | :6«]g l/lnkmx¿÷s]an SNofDkx¿ ;a} tf/x¿df ;xL ?kdf h8fg ul/Psf] 5 eg]/ hfFr ug{ tf/x¿ xNsf tfg]/ hfFr ug{'xf];\ . |
| $= | ;a} pks/0fx¿sf] u|fpl08ª s08S6/x¿ xl/of] jf gfËf] tfdfsf] kftf /x]sf] ;'lglZrt ug{'xf];\ . |
| %= | lk=le=;ls{6sf] sG8S6/ /]l6ª slDtdf /]6]8 ;6{ ;ls{6 s/]G6sf] !%^Ü k|ltzt 5 elg hfFr ug{'xf];\ . |
| ^= | ;a} h+Szg aS;x¿ kx'Frof]Uo 5g\ elg hfFr ug{'xf];\ . |

#### 3= cf]e/ s/]G6 ;'/Iff

|  |  |
| --- | --- |
| != | lk=le= ;ls{6sf] cf]e/ s/]G6 pks/0f /]l6ª slDtdf /]6]8 ;6{ ;ls{6 s/]G6sf] !%^Ü k|ltzt 5 elg hfFr ug{'xf];\ . |
| @= | l8=l; ef]N6]h / s/]G6 /]l6ªx? cf]e/ s/]G6 ;'/Iffdf :ki6 ¿kdf pNn]v ul/Psf] 5 jf 5}g hfFr  ug{'xf];\ . |

#### ª= lkeL OGe6{/x¿

|  |  |
| --- | --- |
| != | l8:sg]S6/x¿ v'nf x'Fbf, k|f/lDes h8fg kl5 v's'nf] x'g ;Sg] s'g} klg h8fgx¿ s:g OGe6{/sf ;a} 6ld{gnx¿nfO{ k'gM s:g'xf];\\ . |
| @= | ;fO6df Go'gtd tfkqmd x'Fbf P/]sf] cf]kg–;ls{6 ef]N6]h OGe6{/nfO{ :jLsfo{ 5 ls 5}g OGe6{/ Dofg'cndf k'li6 ug{'xf];\ . |
| #= | olb OGe6{/n] l8:Kn]df P;L ef]N6]h b]vfpF5 eg], of] ef]N6]h AC ef]N6ld6/sf] dfkg;Fu ldN5 elg k|dfl0ft ug{'xf];\ . |
| $= | OGe6{/ rfn' ePkl5 jf ;~rfngdf cfPkl5, clwstd kfj/ kf]OG6 6«flsª -MPPT\_ ;+~rfng eO/x]sf] af/] hfFr ug{'xf];\ . P/] ef]N6]h cg'udg ubf{ ha;Dd of] k|0ffnLsf] kfj/ clwstd laGb'df k'U5 / To;kl5 lj:tf/} 36\g yfN5 Tof] a]nf ;Dd hfFr ug{'xf];\ . of] ;Dej eP;Dd v'nf cfsfz ePsf] cj:yfdf ug{'kb{5 . k|0ffnLsf] ef]N6]h w]/}k6s tn / dfyL eO{ ;dfof]hg geOGh]n;Dd ef]N6]hsf] cg'udg ul//xg'xf];\ . |
| %= | k/LIf0fsf] cj:yfsf] nflu ck/]l6ª ef]N6]h ck]lIft clwstd kfj/ ef]N6]hsf] glhs 5 eg]/ hfFr ug{'xf];\ . of] s'/f w]/}h;f] pTkfbsx?sf] Dofg'cndf n]lvPsf] kfOG5 . |
| ^= | pTkfbssf] Dofg'cnaf6 OGe6{/ ;+rfng / ;'? ug]{ k|lqmof ckgfpg'xf];\ . |
| &= | OGe6/ km]n ePdf s] ug]{ eg]/ ck/]6/nfO{ lgb]{zg lbg'xf];\ / :6f6{–ck k/LIf0f ul/Psf] l/kf]6{ k|bfg ug{'xf];\ . |

#### r= rfh{ sG6«f]n/

|  |  |
| --- | --- |
| != | l8:sg]S6/x¿ v'nf x'Fbf, k|f/lDes h8fg kl5 v's'nf] x'g ;Sg] s'g} klg h8fgx¿ s:g rfh{ sG6«f]n/sf ;a} 6ld{gnx¿nfO{ k'gM s:g'xf];\\ . |
| @= | plrt Aof6«Lsf] k|sf/ / ef]N6]hsf nflu ;a} ef]N6]h ;]l6ªx¿ ;xL ¿kdf ;]6 ul/Psf] 5 egL hfFr ug{'xf];\ . |
| #= | olb k|0ffnL Ps u|L8–hl8t OGe6{/;Fu hf]l8Psf] 5 eg], rfh{ sG6«f]n/x¿sf] ;]l6ªx¿n] OGe6{/ k|0ffnLsf] plrt ;~rfngdf x:tIf]k ub}{g eGg] ;'lglZrt ug{'xf];\ . |
| $= | rfh{ sG6«f]n/sf] k|f]u|fd ;]l6ªx¿ l7s 5 / k|0ffnLsf] plrt lgoGq0f sfo{ ub{5 eg]/ ;'lglZrt ug{'xf];\ . tkfO{n] lgDg laGb'x¿ k/LIf0f ug{'k5{**M**   * sd ef]N6]h ljR5]bg * sd ef]N6]h k'g h8fg * cf]e/ ef]N6]h ljR5]bg * cf]e/ ef]N6]h k'g h8fg |

#### 5= l8:sg]S6/x¿

|  |  |
| --- | --- |
| != | l8:sg]S6x¿ /fd|/L h8fg ePsf 5g\ / r]tfjgL n]an cem} klg oyfjt 5 elg hfFr ug{'xf];\ . |
| @= | k|0ffnLdf pks/0fsf ;Dk"0f{ efux? laR5]bg / cnu ug{ ;Sg] dfWodx¿ 5g\ elg hfFr ug{'xf];\ . |
| #= | olb ˆo'hx¿ k|of]u ul/G5 eg], kfj/ ljR5]bg ug]{ dfWod 5 elg hfFr ug{'xf];\ . |
| $= | l:jrx¿ kx'Frof]Uo / :ki6 ¿kdf n]jn ul/Psf] 5 elg hfFr ug{'xf];\ . |
| %= | kfj/ ckm ul/Psf] ˆo"h / ;ls{6 a|]s/x¿sf] lg/Gt/tf hfFr ug{'xf];\ . |
| ^= | ;+rfng ubf{ l:jr¿df ef]N6]h 8«k hfFr ug{'xf];\ . |
| &= | Equalization kl5 Aof6«Lsf] ;]n / Aof6«L ef]N6]hx¿ hfFr ug{'xf];\ . |
| \*= | Hydrometer sf] ;fy ;a} ;]nx¿sf] specific gravity hfFr ug{'xf];\ . |

#### h= Aof6«Lx¿

|  |  |
| --- | --- |
| != | ;'/Iff luo/x? kx'Frdf 5 ls 5}g hfFr ug{'xf];\ -cfFvfsf] ;'/Iff, /a/ kGhf, a]ls+u ;f]8f, / l8l:6N8 kfgL\_. |
| @= | ;a} Aof6«Lsf] h8fgx¿ k'gM 6s{ hfFr ug{'xf];\ . |
| #= | k|To]s 6ld{gndf anti-corrosive gel nufpg'xf];\ . |
| $= | 6ld{gnx¿df c?n] ;lhn} 5'g g;Sg] ul/ kx'Fr ;Lldt ;'lglZrt ug{'xf];\ . |
| %= | h8fgdf kof{Kt e]lG6n];g 5 eg]/ ;'lglZrt ug{'xf];\ . |
| ^= | olb Aof6«Ldf Flooded cells x? 5g\ eg], lgdf{tfsf] lgb]{zg cg';f/ l8l:6N8 kfgL] /fVg'xf];\ . |
| &= | olb Aof6«Ldf Flooded cells x? 5g\ eg], cfFvf w'g] :6]zg kx'Frof]Uo 5 egL ;'lglZrt ug{'xf];\ . |
| \*= | Psk6s OGe6{/ ;~rfngdf cfPkl5, Aof6«L 7Ls;Fu h8fg ePsf] / ;xL ¿kdf sfd ul//x]sf] 5 egL hfFr ug{ Aof6«LnfO{ “equalize charge” ug{'xf];\ . |
| ( | Aof6«LnfO{ ;'?df k|of]u ubf{ s]xL ef/L rfh{–l8:rfh{ dfkm{t Aof6«L rnfpg'xf];\ . |

#### em= Aof6«L OGe6{/

|  |  |
| --- | --- |
| != | l8:sg]S6/x¿ v'nf x'Fbf, k|f/lDes h8fg kl5 v's'nf] x'g ;Sg] s'g} klg h8fgx¿ s:g OGe6{/sf ;a} 6ld{gnx¿nfO{ k'gM s:g'xf];\\ . |
| @= | Aof6«L rfh{ ug{ OGe6{/sf] k|f]u|fldª ;'ljwfx¿ k|of]u ug{'xf];\, / To;kl5 oL sfo{x¿ ;xL ¿kdf ;~rfng eO/x]sf] 5 egL ;'lglZrt ug{ Aof6«LnfO{ DC ;|f]tdf h8fg ug{'xf];\ . |
| #= | pTkfbssf] Dofg'cnaf6 OGe6{/ ;+rfng / ;'? ug]{ k|lqmof ckgfpg'xf];\ . |
| $= | OGe6/ km]n ePdf s] ug]{ eg]/ ck/]6/nfO{ lgb]{zg lbg'xf];\ / :6f6{–ck k/LIf0f ul/Psf] l/kf]6{ k|bfg ug{'xf];\ . |

#### `= u|fpl08ª

|  |  |
| --- | --- |
| != | l8=l; ;ls{6x?df Pp6f / P=l;= ;ls{6x¿df Pp6f u|fp08 h8fg -u|fp08 sG8S6/b]lv u|fpl08ª sG8S6/\_ Pp6} ljGb'df hf]l8Psf] k|0ffnL u|fpl08ªsf] nflu k|of]u eO/x]sf] 5 elg hfFr ug{'xf];\ . |
| @= | pks/0f u|fpl08ª sG8S6/x? / k|0ffnL u|fpl08ª sG8S6/x? hldgdf ;Dej eP;Dd 5f]6f] b'l/df 5 eg]/ hfFr ug{'xf];\ . |
| #= | s/]G6 gaUg] efux¿ l7s;+u u|fp08 ul/Psf] 5 eg]/ hfFr ug{'xf];\ . -P/] k|m]dx¿, aS;x? cflb\_ . |
| $= | cfjZos k|0ffnLx¿df u|fp08 kmN6 ;'/Iff ;dfj]z ug{'xf];\ . |
| %= | u|fpl08ª k|0ffnLsf] hldgdf k|lt/f]w hfFr ug{'xf];\ . |
| ^= | pks/0f u|fpl08ª sG8S6/ xl/of] jf gfª\uf] tf/ xf] / ;lx cfsf/sf] 5 elg hfFr ug{'xf];\ . |

#### t= ;'/Iff

|  |  |
| --- | --- |
| != | ;a} ˆo"h jf ;ls{6 a|]s/nfO{ n]jn ug{'xf];\ . |
| @= | pks/0fsf] k|j]zåf/df ;fOgaf]8{ /fVg'xf];\ h;n] kfj/ >f]t lsl;dsf] hfgsf/L lbG5 . |
| #= | kfj/ sG6«f]n ?ddf …w"d|kfg lgif]wÚ lrGx /fVg'xf];\ . |
| $= | PV k|0ffnL ljR5]b ljGb'df lrGx /fVg'xf];\ h;df ck/]l6ª s/]G6, ck/]l6ª ef]N6]h, clwstd k|0ffnL ef]N6]h / ;6{ ;ls{6 s/]G6 n]lvPsf] 5 . |
| %= | glhs}sf] leQfdf jf ;lhn} b]lvg] 7fpFdf, n]ldg]6 ul/Psf] ck/]l6ª sfo{ljlw /fVg'xf];\ tfls ;a}n] ;lhn} ljj/0fx¿ b]Vg ;s'g\ . |
| ^= | kfj/ sG6«f]n ¿kdf clUg lgoGq0f oGq /fVg'xf];\ . |