

ç; kxjkt tuin ea ty l d k/ku çca/ku grq , d Hkks&kfyd v/; ; u

vuq e çdk' k ¼' kks/k&Nk=½

Hkksy foHkkx

y[kuÅ fo' ofo |ky;] y[kuÅ] m0ç0

<p>I kj k&</p> <p>ty , d l hfer l d k/ku gA thou] vktfodk] [kk l g {kk rFkk l rr-fodkl ds fy, ty , d iwk& çkk gA oLrq% ; g l Hkh l tho oLrq/ka dh mÜkj thfork ds fy, vR; r vfuok; l gA ijUrq Hk&Myh; tyok; q ifjorÜ vksj 0; fDr dh ty ds çfr LokFkz dh çofÜk us gekjs thou; ki u dks çHkkfor fd; k gA v/; ; u {ks= ea tul a; k fi Nys dN o"kk& ea yxkrkj of) rFkk çkÑfrd l d k/kuka ij c<rs nco ds dkj.k ty dh ekx ea Hkh of) gpz gA ftl l s vol j pukRed l fo/kkva ¼tS & ty] l hojst dhMk çca/ku bR; kfn½ ij dkdh nco c<+x; k gA v/; ; u {ks= ij fuoZhdj.k] ufn; ka ij çk/k vksj tyok; q ifjorÜ ds dkj.k ty l d k/kuka ij çfrdny çHkko iM+jgk gA vr% v/; ; u {ks= ea ty l d k/ku dk dqkyrki d d çca/ku djuk vko'; d gA bl ys[k ea ; g n'kkZus dk ç; kl fd; k x; k gs fd ty l d k/ku çca/ku ç.kkyh tuin ea fdl çdkj egRoi wkz Hkfredk fuHkkrh gA</p> <p>dh&oM&l d k/ku] tyok; q ifjorÜ] tul a; k] l rr-fodkl] çca/kuA</p>
--

ty çca/ku dk vk'k; ty l d k/kuka ds b"Vre ç; ksx l s gs vksj ty dh yxkrkj c<rh ekx ds dkj.k n's k Hkj ea ty ds mfpr çca/ku dh vko'; drk dbz o"kk& l s egl w dh tk jgh gA ty çca/ku ds rgr- ikuh l s l çf/kr tkf [keka tS &ck<} l w[kk] ds çc/ku dks Hkh 'kkfey fd; k tkrk gA ty çÑfr ds l cl s egRoi wkz l dkk/kuka ea l s , d gA dgus dks rks i Foh pkjka vksj l s i kuh l s gh f?kj h g\$ yfdu ek= 2.5 çfr'kr ikuh gh çkÑfrd ókrka&unh] rkykc] dpyka vksj ckofM+ ka l s feyrk gA tcf d vk/kk çfr'kr Hkrt ty Hk.Mkj.k gA 97çfr'kr ty

Hk.Mkj.k rks l eae ea gA 2.7 çfr'kr ty LoPN gA tcf d oLrq fLFkr ; g gsf d ty çÑfr dk eDr ugha cgeW; mi gkj gA vr% ; fn geus ty dk foodi wkl <x l s l j {k.k ugha fd; k rks gekjs vflRro dks gh

[krjk mRiUu gks tk, xkA fo'o çd ds vuq kj Hkkjr djhc 230 ?ku fdykehVj Hkty dk nkgu çfro"kl djrk gA Hkkjr] ty vksj Hkfe l d k/kuka l s l EiUu ns'k gA l a Dr jk"V ds vuq kj 2050 ea uks vjc vFkok vkf/kd tul a[; k ds mi ; ksx ds fy, [kk | mRi knu ea 60 çfr'kr c<kjkjh gkuh gh pkfg, A [kk | mRi knu ds fy, Hkkjh ek=k ea fctyh vksj ikuh dh t: jr gksh gA fdarq 2030 rd nfu; k dks ikuh dh vki firz ea 40 Qhl nh deh dk l keuk djuk gkxka nfu; k Hkj ea fl pkbz ds fy, mi ; ksx fd, tkus okys ikuh ea 2050 rd 6 çfr'kr of) dh vi\$kk gA fo'o vkfFkd ep dh of'od tkf[ke fjikVZ ea ty l adV dks l cl s vf/kd çHkko Mkyus okys nl [krjka ea rhl jk [krjk crk; k x; k gA fo'o çd dh gky dh , d fjikVZ ea bl ckr dh i q"V djrh gsf d ikuh dh ekx rks igys l s gh c<+jgh g\$ yfdu tyok; q ifjorZu l adV dks vksj Hkh c<k nsxka ty l d k/ku çca/ku nfuud thou dk erz i gkus ds l kfk&l kfk [kk | l j {kk ds i k'sk.k dh dqt h gA l e; &l e; ij ; kstuk, j cukbz xbZ rFkk bl ds çko/kku , oa Hkkf'rd mi yC/krk c<kus vfhkxe , oa forj.k l qkkjus ds fy, cMh vol j puk i fj; kstuk, j 'kq dh xbA vr% gea ty dh l j {k.k dks fo'k'sk : i l s orZeku , oa l rr~fodkl d s fy, l j f{kr djuk gkxka m's; &

- ty l d k/ku dh fLFkr dk eW; ka du djuka
 - ty l d k/ku ds mfpr çca/ku grq uhrxr l q-koA v/; ; u {ks=&ç; kxjkt}
- mÜkj Hkkjr ea mÜkj çns'k ds nf{k.k i whz Hkkx ea fLFkr , d

tuin gA bykgkcn dh Hkks&kfyd fLFkfr 24°47' mÜkj h v{kka k l s 25°47' mÜkj h v{kka k rFkk 81°191 i dhz ns kkarj l s 87° 29' i dhz ns kkarj ds chp foLrr gA l epe ry l s 98 ehVj dh Äpkbz ij xæk vksj ; euk ufn; ka s ds l æe ij cl k gð tks fd 'kks/kkFkhz ds v/; ; u {ks= l s fudVre- l Eca/k gA ; gk; ij gkus okyh vkfFkd] l keftd] l eL; kvka l s HkyhHkkfr ifjpr gA vr% blgha l eL: kvka dks nf"Vxr j [krs gq 'kks/kkFkhz us tuin ç; kxjkt ea ty l d k/ku çca/ku dk p; u fd; k gA ; gk; ij çokfgr gkus okyh ed; ufn; k; xæk vksj ; euk gA ç; kxjkt tuin dk {ks=Qy 5482Km² gS rFkk vksj r rkieku xfez; ka ea yxHkx 26.6°C rFkk tkMka ea yxHkx 6.5°C l s 29.0°C ds chp jgrk gS rFkk dHkh&dHkh 2°C rd igp tkrk gA vksj r okf"kd o"kkz 1027 feeh0 rd gsrh g\$ tks T; knkrj nf{k.k&if'pe ekul u l s gh gsrh gA v/; ; u {ks= 8 rgl hy] 20 Cykd rFkk 1425 xtel Hkk ea çv/k gA tuin dh tul d; k 5954391 gS rFkk tu?kuRo 1086] fyækuq kr 901] l k{kjrk nj 72-3] ¼tux.kuk 2011 ds vuq kj½

'kks/k çfof/k&çLrr 'kks/k i = f}rh; d vkadMka ij vk/kkfjr gS ftl ds varxR fofHku if=dkvkj fofHku dk; k; k; d bæh; ty ckM] d bæh; Hkrt yckM] mÜkj çns k ty ckM] bykgkcn ty l LFkku l s , d= fd; k x; k gA l kfgR; i qj koyksdu&

ekuo us rduhdh fodkl }kjk ty dks fofo/k : i ka ea mi ; ksx c<k; k gA ftl ds dkj.k çNfr ea mi yC/k ty ea ek=kRed , oa xqkkRed vou; u gqk gA bl rF; dks nf"Vxr j [krs gq vuq fo}kuka us l e; &l e; ij ty l d k/ku ds l j {k.k rFkk çca/ku ds fy, viuk ; ksxnku fn; k gA ty l d k/ku çca/ku dk v/; ; u çkphu dky l s gsrk vk; k gA çkphu dky ea ; wkuh , oa jkeu Hkks&kyoÜkkvka us ty l LFkku kuka ds l j {k.k , oa mi ; ksx dh foopuk dh Fkh] ijUrq

200ha 'krkCnh ds mÜkj) Z l s bl {ks= ea i; klr /; ku fn; k tk jgk gA l oçFke
vefjdu Hkkksyoðkk l ðk us ty l d k/ku Hkkksy dks Øec) dj Lora= 'kk[kk ds
: i ea ekU; rk nhA ikosy ¼1879½ us 'kðd {ks=h; Hkñie uked i ðrd ea Mh0d0 VksM
US Ground water Hydrology (1959) ea rFkk bzbz QkLVj us Rainfull and Run off
ea ty l d k/ku ds fodkl ds fy, egROI wkz dk; Z fd, gAð

VkbMeSu ¼2000½ us Hkkjrh; n'kkvka ea ty l ðk çcaaku ds fodkl ds fy,
fofHkuu fof/k; ka dks crk; k gA ekfgy ¼2000½ us ty l d k/ku çcaaku ij tkj nrs
gq dgk gS fd ty] enk rFkk ouLifr dk l j {k.k gh Ñf"k fodkl dks fu/kkZjr
djr k gA ujokuh ds vuq kj ty çcaaku l s gkoFLVx l j pukvka dk fodkl l EHko
gS tks l kekftd l j puk dh cukoV dks çHkkfor djrk gA ç; kxjkt tuin ea
ty l d k/ku çcaaku dk v/; ; u çLnr l kfgR; dh l eh{kk ds vk/kkj ij fd; k
x; k gA

ç; kxjkt tuin ea ty l d k/ku çcaaku&

- vif"V ty çcaaku ç. kkyhA
- fl ðkbz ç. kkfy; kj A
- çkÑfrd ty fudk; ka dks ns[kHkky djuka
- ty l j {k.k A
- juokVj gkoFLVx }kj k ty dk l p; uA
- o"kkz ty dks l rg ij l æghr djus ds fy, Vdkñ rkykcka vkj pd&Me
vkfn dh 0; oLFkka

ppukfr; k&

- ty dh ekx vkj i frz d se/; vrj dks de djuka

- [kk | mRi knu ds fy, i ; klr i kuh mi yC/k djuk vkj çr&Li /kkZ ek&ka ds
chp mi ; ksx dks l rñfy djukA
- egkuxjka vkj vU; cM&'kgjk a dh c<rh ekpka dks ij k djukA
- vif'k"V ty dk mipkjA

l pko&

- tuin ea tul a[; k ds yxkrkj of) ds dkj.k ty fudk; ka tS s ufn; ka
>hyka vkj rkykcka ea çnll.k k dk Lrj de djukA
- Hkfrer tyLrj dkQh uhps pyk x; k gA mfpr ty çca/ku djds
Hkfrer tyLrj dks c<teukA
- ty l d k/ku çca/ku dh l gk; rk l s ty l dV dks de djds bl ds
udkj kRed çHkko l s cpukA
- ty l d k/ku l hfer gS vkj gea s mlga vxyh i h<h ds fy, cpkdj j [kukA
fu"d"kk&çLrñ 'kks'k i = ç; kxjkt tuin ea ty l d k/ku çca/ku grq] ty iFoh
dk l okZ/kd eW; oku l d k/ku gS vkj gea u doy vi us fy, bl dh j {kk djuh gS
cfYd HkFOk"; dh i hf<+ ka ds fy, Hkh bl s cpkdj j [kuk gA or&ku l e; ea l Ei wZ
fo'o ty l dV dk l keuk dj jgk gS rks vko'; d gS fd bl vkj xllkjrk l s
/; ku fn; k tk, A l jdkj dks xke Lrj ij ty l puk dñæ LFkkr fd, tkus
pkfg, A jkT; ka ea fofHkUu ; kstukvka ds vr&h l pkfy tyxg.k fodkl dk; Øe
vHkh rd vko'; d l hek rd Rofjr ugha gks ik; s gA bl çdkj ty l d k/ku
çca/ku dh uhfr; ka dks mfpr xfr çnku dh tk, A vr% gea ty l d k/ku dk cMh
l ko/kkuhi dñd mi ; ksx ds l kFk&l kFk l j {k.k , oa çca/ku djuk gksxkA

l nHkZ xFk l pph&

1. Ground water scenario of Allahabad District, Uttar Pradesh, 2007 central Water Board, Ministry of Water Resources, Government of India.
2. Lal. S. 2000, Watershed Planning Management. Yash Publishing House, Bikaner.
3. Goel M.K. and Jain S.K. 2005 AGIS based Model for Integrated water Resources.
4. Singh D.K. and Sinh A.K. (2002) Ground water situation in India: Problems and perspective, International Journal of water Resource Development.
5. Warmly. N and Pearce. G. (2010). Towards sustainable water Resources Management Bringing the strategic Approach upto date Irrigation and Oraing System; 24 (314) 191-203.
6. The Word Bank, 2006 Reengaging in Agricultural water management : Challenges and option PP-4-5
7. MKD d0, y0 jko % Hkkjr dh ty l i nk] vkfj , W ykxeu fyfeVM 1975
8. i kBd] 2018 Hkkjrh; thou 'ksyh ea tc çca/ku Hkkxhjk if=dk] ubZ fnYyh v&1- i-1
9. c<fk ty l dV xtkhj pps-h] dq {ks=} i-8-
10. ty l i k/ku çca/ku] dq {ks=
11. dhaeh; ty vk; ks % ty l i k/ku , d utj ea 2019
12. ; kstuk] ubZ fnYyh
13. Hkkksy vks] vki