

International Multidisciplinary  
Research Journal

*Indian Streams  
Research Journal*

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## Welcome to ISRJ

RNI MAHMUL/2011/38595

ISSN No.2230-7850

Indian Streams Research Journal is a multidisciplinary research journal, published monthly in English, Hindi & Marathi Language. All research papers submitted to the journal will be double - blind peer reviewed referred by members of the editorial board. Readers will include investigator in universities, research institutes government and industry with research interest in the general subjects.

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Ukanjckj ftYg; krhy ckydkP; k dq ksk. kkp vkfFkd o  
 I kekftd nf"Vdksukru v/; ; u-



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Short Profile

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Hkkoh vkfFkd egkl Rrk o vkfFkd fodkl kpk nok dj .kk&; k Hkkj rkr 5 o"kkZ kkyhy dq ksk"kr eykph I æ; k 47 VDds vkgs- 2011 P; k vkdMokj hud kj Hkkj rkr njo'kZ 16 y{k ckyer; w gsrkr- iriz'kku euekgu fl æ ; kauh ; kpk \*\*j"Vh; yTtkLin\*\* ckc vl Y; kpk mYys[k vki Y; k Hkk" k.kkr dsysk vkgs ij kskeh I oþ {ks=kr vk?kkMhoj vl yS; k \*\*Xyky Oqg; cV/\*\* v'kk vki Y; k egkj k"Vkr ns[ khy dq ksk. kkeGj kst 77 eykpk eR; qgkr ks jkT; I jdkjP; k vkdMokj hud kj vkLkLV 2011 lk; r jkT; kr 18]746 eykpk dq ksk. kkus eR; w >kysyk vkgs

o"KZ2010 e/; sgh I æ; k 12-792 brdh gsrh R; kr o"KZ2011 e/; s5694 eykP; k eR; wph Hkj i Myh gsrh ; k eR; w/; s vkfnokl hP; k eykpp iæ.k k tkLr vkgs unjckj ftYg; krgh dq ksk. kkp o ckyer; ps iæ.k k tkLr vkgs Hkkj rkr dq ksk"kr eykps iæ.k k 47 VDds egkj k"Vkr 49-6 VDds rj unjckj ftYg; kr 42 VDD; ká {kk tkLr vkgs jkT; kr o ftYg; kr 'kkl ukus dks/; ko/kh #i ; kpk ; kst uk jkfoY; k- uol athou ; kst uk] i ksk. k vkgkj] tuuh I j {kk ; kst uk] fo'ksk dirh dk; bæ v'kk , duk vuod ; kst uk vkY; k o xY; k jkT; kr fdok ftYg; kr dq ksk. kkoj o ckyer; wj dk; eLo#i h rkmxk fdok jkeck. k mi k; vtu rjh dk<rk vkYykk ukgh \*ueph ; rks i kol kGk\* R; ki æk. ks dq ksk. kkp >kysy vkgs dq ksk. kkeGs ok<rs ckyer; q gsrkr- ckydkph ekufi d o 'kjj hfj d ok< enkorso R; kpsnh?kdkyhu i fj . kke vFkD; oLFkoj gsrkr-

chtI ká k &

dq ksk. k] vHkZd eR; j ckyer; qI w] eW] i ksk. k vkgkj -

i Lrkouk %

vH; kl {ks= &

vkfnokl h ykdI d; P; k ckrhr ftYg; kpk jkT; kr frl jk dkd vkgs 2011 P; k tux. kus ud kj unj ckj ftYg; kph ykdI d; k 16-47-295 brdh vl u vuq fipr tekhrph ykdI d; k 11-41-933 brdh vkgs vkfnokl h ykdI d; k 70-30 VDds vl u ftYg; kpk l k{kj rk nj 55 VDds, o<k vkgs, dwk 85 VDds ykdI d; k xkeh. k vkgs ftYg; krhy 935 xkoka dh 850 xkos 100 VDds vkfnokl h xkos vkgs- vkfnokl h , dwk ykdI d; ; s dh 80 rs90 VDds ykdI d; k nkj hnz j "ks[ kkyhy vkgs ekuo fodkl funz kkdP; k ckrhr unj ckj ftYg; kpk 35 ok Eg. ktp jkT; kr 'koVpk dkd vkgs unj ckj ftYgk dq ksk. kP; k ckrhr jkT; kr ns kkrp uOsrj txr ppr vkgs

v/; ; ukpsm's k &

- 1-dq ksk. kP; k l dYi upk vH; kl dj . ks
- 2-kydkP; k dq ksk. kP; k i ek. kkpsv/; ; u dj . ks
- 3-kydkP; k dq ksk. kkph vkfFkd o l keftd dkj . ks ' ksk. ks
- 4-dq k" k. k fuejyukl kBhP; k 'kkl ukP; k dkefxj hpsv/; ; u dj . ks
- 5-kydkP; k dq ksk. kkoj mi k; l pfo. ks

vH; kl i /nrh &

i Lnr v/; ; ukr i kFfed o nq; e l k/kukpk okij dyykk vkgs i kFfed l k/kukaeGs dq ks"kr ckydkP; k i kydkdMu eyk[kr vuq fipP; k l gk; kusfeGfoyy; k ekfgrhPk l ekosk vkgs rl p vkfnokl h Hkxkr tkAu fujh{k. k i /nrhpk okij ; kpk l ekosk dyyk vkgs eyk[krh l kBh 240 ykHkFkz fuond ueuk fuoM i /nrhOnkjs fuoMysys vkgs- nq; e l kextr ftYgk vkfFkd o l keftd l ekykpu] ekuo fodkl vgoky] ftYgk ifj "kn ok"kd vgoky] efgyk o ckyfodkl foHkx] vkj kx; foHkx i qLrdk] dq ksk. k o ckyer; q dk; ky; hu vgoky] 'kkl dh; vgoky] vFkd okn gkdjk] d#{ks=} l ektDY; k. k] ykdj kT; ] ekf l dq jk"Vh; o vkrj k"Vh; tuYl ] l dkG] ykder] nsknq] i q; uxjh] un"ku b- or'ekui =krhy ekfgrh rl p fofo/k l drLFkGk ojhy ekfgrhpk l ekosk dyyk vkgs

dq ksk. k & l dYi uk o vFkZ&

dq ksk. k Eg. ktsdk; \ dk; vkgs gs dq ksk. k \ d'kkus gksr gs dq ksk. k \ dq kkyk gksr gs dq ksk. k \ ; k dq ksk. kkpsdk; i fj . kke gkskr \ ; k dq ksk. kkoj mi k; ukgh dk; \ vl svl d; ; i zu fuekz k gkskr- vud rKkauh @ l dFkauh dq k" k. kpk vFkZ@ 0; k[; k dyy; k vkgs-

- 1- dq ksk. k Eg. kts 'kj hj kP; k i ksk. kkl kBh vko'; d vl . kk& k , d fdok vf/kd vlu?kVdkP; k vHkkoekGs fuekz k gks kkj h 'kkfj jhd fLFkrh gks -
- 2- l oal k/kkj . ki . kso; kP; k ekukuskydkph i ksd nD; kavHkkoH 'kkj hfj d o ekuf l d ok< u gks ks [kq/. ks vFkok Fkka. ks Eg. ktp dq ksk. k gks -
- 3- dq ksk. k Eg. ktsQDr mi ksk. k ukgh rj l ozvlu?kVd ; kx; i ek. kkr ; kx; r&gus vkf. k ; kx; oGh u feG. ks Eg. ktsdq ksk. k-
- 4- MfOgM ouj ; kP; k ers i j d k o ; kx; vkgkj u feGKY; keGs th v'kdri . kkph o vktkj i . kkph i fj fLFkrh fuek. k gksrh Eg. ktsdq ksk. k gks -

5- Tkkxfrd vkj kx; l akVuP; k eki nMkuq kj ¼tgy\$2010½ dq ksk"kr ckydka oth l k/kkj . k Js kh deh otukps ckyd MAM o rhozdeh otukpsckyd SAM vl k oki j dj . ; kr ; rks  
dq ksk. k ekstrkauk o; kud kj o mphud kj otu ; k nku i/nrhpk oki j dsk tkrk

1-kydkpso; kud kj otu & gsotu 2 SD i shk deh vl sy rj R; kyk Moderate Under MUW e/; e deh otu vl sEg. krkr- v'kk e/; e deh otukP; k ckydkps o/nhi =kud kj fi oG; ki í; kr dsk tkrks ckydkpso; kud kj otu 3 SD i shk deh vl sy rj R; kauk Severe Uneder Wight SUM rhozdeh otu vl sEg. krkr- ; k ckydkp l ekoš o/nhi =dkud kj yky i ê; kr dsk tkrks

2-kydkpsmphud kj otu & ckydkph i ksk. k fLFkrh eki . ; kl kBh mphud kj otu ; k eki d nMdkpk oki j dsk tkrks ; k ckydkp; k fLFkrhy ypmi . kk (Wasting) vl sl ckskystkr  
kydkps mphud kj otu 2 SD i shk deh vl sy rj R; kyk Moderate Acute Malnutrition- MAM rhoz dq ksk. k vl sEg. krkr-  
kydkpsmphud kj otu 3 SD i shk deh vl sy rj R; kyk Severe Acute Malnutritio SAM l V @xblkhj rhoz dq ksk. k vl sEg. krkr

ojhy pkj gh i dzkj dq ksk. kk' kh l cdkhr@ l yXu vkgs tkxfrd vkj kx; l akVuP; k vgokykud kj l V o e ; k ckydkauk eR; pk /kkok 10 i Vhuu vf/kd vl rks gh ckyds i pu r-kr detkj vl rkr R; keG v'kk ckydkph vf/kd dkGth ?; koh ykxrs

unjkj ckj ftYg; krhy dq ksk. k %

dq ksk. k & unjkj ckj gs , d l ehdj .kp >kys fnl rs ftYg; krhy vkfnokl h ckydkps dq ksk. k o R; keG gks kks ckyeR; q gk l kekftd dyad vkgs eG?kkVuarj l oki tklr ppir ; s kjk k Hkkx Eg. kts unjkj ckj ftYg; krhy l kri q/k Hkkxkrhy ckyeR; q o dq ksk. k gks - unjkj ckj ftYg; kP; k l kri q/krhy n&; k [kk&; krhy dkoGh i kuxG i kol kG; kP; k fnol kr rhoz fpmpk fo"kk; Bj rks dq ksk. k fueiyukl kBh vuud ; kst uk i kj i km. ; kl kBh dkV; ko/kh #i ; kph cj l kr gks vkfnokl h ckydkps dq ksk. k nj gks ukgh i jarq vuudkps vFKZ kkL=] vFKD; oLFk l qkkj rs

rDrk dz 1 e/; s ftYg; krhy ckyeR; q o vHKdeR; q n'kbysys vkgr tle ?krY; ki kl q , d o"kkz o; ki ; rP; k ckydkl gh l Kk oki jyh tkrsrj 1 rs 6 o"kkz o; ki ; rP; k ckydkp; k eR; q ckyeR; q l cck/kys tkr

rDrk dz & 1  
2009&10 rs 2011&12 njE; ku ftYg; krhy vHKd o ckyeR; q ps i zek. k

v-dz	o"kkz	, dq k tle	vHKd eR; q	VDds i zek. k	CkyeR; q	VDds i zek. k
1	2009&10	29209	1091	39-53	590	54-12
2	2010&11	27577	919	33-74	516	52-58
3	2011&12	28775	1346	31-90	427	46-74
	, dqk	85561	3356	&	1533	&

L=kr %&

rDrk dz 1 o#u Li "V gkrs dh] unckj ftYg; kr vHKzdeR; qo ckyer; p si ek.k tkLr vkg s l u 2009&10 e/; s 29-209 ckydkauh tle ?kr yk R; ki s dh 1-091 brD; k vHKzdkpk eR; q >kysyk gkrk ; k o"kkz hy vHKz eR; p si ek.k 39-56 VDds brds tkLr gkrs rj ; kp o"kkz 1 rs 6 o"kkz o; ks Vkrhy 590 ckydkpk eR; q >kyk gkrk- ; k o"kkz ckyer; p si ek.k 54-12 VDdsgkrs l u 2010&11 e/; s ftYg; kr 27-577 ckydkauh tle ?kr yk gkrk R; kP; k i s dh 919 brD; k vHKzdkP; k eR; q gkrk gs i ek.k 33-74 VDdsgkrs rj 516 ckydkpk eR; w >kyk gkrk R; k p si ek.k 52-58 VDds brds gkrs

o"kl 2011&12 e/; s 28775 ckydkauh tle ?kr yk gkrk R; kP; ki s dh 1346 vHKzdeR; w o 427 ckyer; w gkrs R; k p si ek.k vupl s 39-90 VDds o 46-74 VDds gkrs ; ko#u unj ckj ftYg; krhy vHKzdeR; wo ckyer; ph fhk" k. krk Li "V gkrs

, fi y 2012 rs ekpl 2013 ; k , dk o"kkz >kyk; k vHKz eR; wo ckyer; p si ek.k ; k l el; ph fhk" k. krk vf/kd mxz . ks Li "V dj rs rDrk dz 2 e/; sunj ckj ftYg; krhy , dk o"kkz hy rkyplkfug; vHKz eR; wo ckyer; p si ek.k n' kbysys vkg s

rDrk dz2

rkyplkfug; vHKzdeR; qo ckyer; p si ek.k , fi y 2012 rs ekpl 2013

v- dz	Rkyplk	, dqk tle	vHKz eR; q	Ckyer; w	, dwk eR; w	vHKz eR; nj VDds	Ckyer; w nj VDds
1	vDdydpk	5273	211	106	317	40-01	60-11
2	vdk. kh ¼/Mxk½	5373	182	82	264	33-50	49-10
3	rGknk	2658	61	25	86	22-94	32-35
4	'kgknk	6474	177	61	238	27-34	36-76
5	Ukoki j	3642	78	19	97	21-41	26-63
6	Uknj ckj	4439	103	33	136	23-20	30-63
	, dqk	27862	812	326	1138	29-14	40-84

rDrk dz 2 o#u Li "V gkrs dh rkyplkfug; vHKzdeR; wo ckyer; p si ek.k cjp tkLr vkg s l okz/kd vHKz o ckyer; wnj vDdydnp rkyD; kr vkg s 2012&13 ; k o"kkz vDdydnp rkyD; kr , dwk 5273 ckydkpk tle >kyk gkrk R; ki s dh 317 ckydkpk eR; w >kysyk fnl u ; s ks; kr 0 rs l o"kkz o; ks Vkrhy

ckyer; w106 gksrsgis ek. k vudps 40-01 VDds o 60-11 VDds gksr ; k [kkyks kky vHKd eR; wo ckyer; w /kMxko rkyD; kr >kysfni u ; rkr- /kMxko rkyD; krhy gs i ek. k vudps 33-5 VDds o 49-10 VDds v l Y; kps vk<Gu ; srs ojhy rDR; ko#u Li "Vi . ks vk<Grs dh /kMxko o vDdydtk ; k rkyD; krhy vHKdeR; wnj o ckyer; wnj brj rkyD; ki s k tkLr vkgs

unjckj ftYg; krhy AM xbkj rhoz dq ksk. k Js kh pkj o MAM e/; e rhoz dq ksk. k Js kh rhu P; k dii ksr kr ckydkps i ek. k rDrk dz 3 e/; so "kz 2012&13 P; k e&tu efgu; krhy l e o e e ckydkph o s dh; vf/kdk& kP; k eki nMkuq kj l a; k n'kbysh vkgs unjckj fTKYg; kr 2007-08 e/; s fr l & k Js khP; k ckydkph l a; k 586 o pkf; k Js khP; k ckydkph l a; k 91 brdh gkrh o "kz 2008&09 e/; svudps 452 o 71 rj 2009&10 e/; svudps 783 rs95 brdh gkrh-

rDrk dz & 3

unjckj ftYgk; krhy rkydk @ izYi kfugk; Js kh pkj Js kh rhu ef/ky ckydkph l a; k

v- dz	Rkypl o izYi kps uko	Js khud kj ykHkFkhZ ckydkph l a; k		, dqk
		Js kh pkj @ l e x bkj rhoz	Js kh rhu e e e/; e rhoz	
1	vDdydtk	141	566	707
2	Ektyxh	51	168	219
3	fi a G [k/k	53	267	320
4	/kMxko	238	771	1009
5	Rksj .kekG	153	529	682
6	[k/k/kek/h	145	433	578
7	rGknk	19	117	136
8	'kgknk	12	265	277
9	Egl kon	37	78	115
10	uoki yj	34	209	243
11	unjckj	71	337	408
12	j ukGk	28	204	232
	, dwk	982	3944	4926

L=kr & rDrk dz 3 o#u Li "kV gksr dh /kMxko o vDdydtk rkyD; ke/; s Js kh pkj o Js kh rhu ph dq ksr kr ckydkph l a; k brj rkyD; ki s k tkLr vkgs x bkj rhoz dq ksr kr ckydkph l a; k vDdydtk rkyD; kr 245 brdh vf/kd vkgs rj e/; e rhoz Js khph ckyd l a; k 1001 vkgs rj /kMxko rkyD; krhy dq ksr kr ckydkph l a; k vudps 536 o 1733 brdh tkLr vkgs

Uknj cjk ftYg; krhy ckydkp dij ksk. kph dkj . ks & unj cjk ftYg; krhy vkfnokl hP; k vkfFkd o l kekftd thoukoj 'kkl dh; fodkl ; kst ukps i fj . kke , d fo' Gsk. kRed v/; ; u ; k fo" k; koj ys[ kdkaus l akksku dsys o 500 mRrjnR; kakh l a dZ l k/ku fujh{k. k d#u fpfdRI dfo'ysk. k dsys vks 1/4 OgF{kr 500 fuondka dh 240 fuondkP; k1/2 ckydkauk dij k" k. kkus xkl ysys gks o R; ki dh vudkP; k ckydkPkk dij ksk. kkus eR; w>kysy gsrk l oZk. kko#u dij ksk. kph dkj . ksekMysy vgr-

vkfnokl h tekthP; k ckydkauk fofo/k thoul Ros i kskd vlui nkFkZo [kfutsmi yC/k gkr ukgh R; keGs R; kph 'kkfj jhd o cks/nd ok< gkr ukgh ftYg; kr dij ksk"kr ckydkps i ek. k tklr vks R; kyk vud dkj . ks dkj . kHkq vgr rh i q<yi ek. ks

### 1-l kekftd dkj . ks &

v- f'k{k. k o f'k{k. kpk ntkZ & ftYg; kr f'k{k. kP; k l fjo/kk plaxY; k idkjs mi yC/k vl Y; k rjh f'k{k. kpk ntkZ l Hkkj vks eykP; k xGrhps i ek. k vf/kd vks vud 'kkGk dxnkoj pkyrkr 'kkGk vks rj f'k{k/d ukgh f'k{k/d vks rj 'kkGr tkr ukgh 'kkGr xsys rj f'kdfor ukgh vud f'k{k. k 0; l ukf/ku vl Y; kps vk<Grs R; kauk ekxh'ku dsys i kfgts nk#ps vik; dkj d i fj . kke i Vfoys i kfgts rp f'k{k. kph nqZ kk vl Y; keGs vkfnokl h ikyd 0; l ukf/ku gsrkr- ekrkauk eyhauk dij ksk. k vkj kX; l fjo/kk LoPNrk b vud ckrhr tkx#drk fuekz k gkr ukgh R; keGs i wph fi <h l qnk dij ksk. k vdkJ/nk nkfjnz o vKkukus?kj ysyh jkghy

c- 0; l ukf/kurk & ftYg; kr xkoBh] cukoV nk#us Fkku ekMysy vks 70 VDds i qk tklr i #"k o L=h l qnk nk# o rck[kps l ou djrkr R; keGs 0; l ukf/kurk ok<syh vks ; k ekrP; k 0; l ukeGs xHkz k; krp vHkzkoj i fj . kke gsrkr vkfnokl h i kj a kfj d i /nrhusegq kl u e | cufokr gse | vk; pnd vl rs i j r q R; koj cinh vl Y; kus xkoBh nk# l jkl pkyrsrh dBrk dkWj ukokus i fl /nh vks

d- fuj{kjrk vKku o vdkJ/nk & vkfnokl h e/; s fuj{kj reGs ekgrhpk] Kkukpk] tkx#drpk vHko vk<Grs dij ksk. kkus xkl r vl yv; k ckydkP; k i kydkauk vki Y; k ckydkP; k thoukps ey @ egRo okVr ukgh vkfnokl hauk vkf/kd vi R; s vl Y; kus R; kauk vki R; kP; k thoukps egRo deh okVrs r l p , d ckyd j kfgys dk \ vua esy dk; \ R; kauk dkgh okVr ukgh- , d ckyd xsys rjh nq js tle ?kby v'kh Hkkouk vkfnokl h turs vl Y; kus ckydkP; k thoukps Qkj l segRo okVr ukgh R; keGs ckydkP; k vkj kX; kdMs nyZk dsys tkr R; keGs 'kkl dh; l fjo/kk T; k dkgh FkM; kQkj i ek. kkr mi yC/k vl rkr R; kpk ykHk dij ksk"kr ckydkauk ns ; kl kBh ikyd mnkl u okVrkr

M- ckyfookg & ftYg; kr vkfnokl h l ektr eyhps yXu 14&15 o"kl o; krp dyh tkrkr- 18 o"kk i qk deh o; kr yXu dj . ; kps i ek. k tklr vk<Gru ; rs nki R; kauk vi R; kph l q; k tklr vl rs i R; d nka R; l jkl jh 5 rs 6 vi R; kauk tle nrs R; keGsnku vi R; ke/khy varj deh jkgrsgs varj QDr 10 rs 11 efgus vk<Gru ; rs

Xkjknj ekp h i Lkqh >kkY; kuarj ; s kk& k fi oG; k jckps nqk okbV vl rs ; k Xk l etkeGs vFkok pphP; k l etkeGs ckGyk nq i ktys tkr ukgh- nku rs rhu fnol ka ; r ckGyk xkbps nqk xGkps i k. kh o e/k fnystkrs R; kl kBh vLoPN dki l kpk ckGk oki j Yk tkrks ckGyk yodj 'kh gks ; kl kBh , j M/s fnystkrs dkgh Hkkxkr i fgY; k oGd egps e | pk[kokr- xjknj fL=; kP; k ckydkps otu ok<qu; s Eg. ku vkgkj deh fnyk tkrks R; keGs ckGkps i ksk. k gkr ukgh-

2-vkfFkd dkj . ks & ftYg; krhy vkfnokl hauk dk; elo#i h @ 'kk'or vl smRi Ukps l k/ku mi yC/k ukgh 'krh o 'kretj h gp mRi Ukps gakeh l k/ku vks 500 l OkF{kr dVpki dh 27 VDds vkfnokl h dVps 'krhoj ] 51 VDds 'kretj h] oj 10 VDds ik' kq kyu o nk/kO; ol k; ] 4 VDds oukoj o 4 VDds Lo; j kst xkj koj voyau vkg-s85 rs 90 VDds dVps nkfjnz j "kq kkyhy vgr- nkfjnz keGs deh nj MkozmRi UkeGs ckydkauk i fj i wZ



vkgj nrk ; s ukgh xHkZrh ekrkps dij ksk. k gks ftYg; krhy 50 VDD; k s k tkLr fL=; k vLFki atj >kyY; k vkgr 30 rs 35 o"kkZ o; krp R; kP; k pg& koj l j dR; k fnl rkr R; k vdlyh Egkr&; k >kyY; k vk<Grkr-

nkfj nz; kps tkLr i ek. k] jkstxkj kP; k vHkkoekG1 yk[kki s k tkLr vkfnokl hadVpuk LFkykarj djkos ykxrsLFkykarj keGsekrkP; k o ckydkP; k vkj kX; kph gdl kMk gks vkfnokl h fL=; kauk vfrJe djkosykr vl Y; keG ckgkps dij ksk. k xHkZ k; krp gks jkstxkj kl kBh i # "kkZ j ksj fL=; kaukgh dkeoj tkos ykxrs ckydkP l kkkG ekB; k i j a q o; kusygu vl yY; k HkA&cfg. kauk djkok ykxrs fud"kv vkgj o rkg h oGoj u feGKY; kuskydkps dij ksk. k gks

kydkdMs mRi Ukps vFkok defo. ; kps l k/ku Eg. ku i kfgys trs Je d#u mRi uu feGy Eg. ku tkLr vi R; kauk tle fnyk trks mRi uu deh o [kk. kk&; kph l a ; k tkLr gks R; keG ckydkauk i ksk. kvkgj i j d k feGw' kdr ukgh R; keGsdij ksk. kkr Hk i Mrs

3-vkj kX; kP; k o l a dkP; k l fo/kk & unj cjk ftYg; kr vkj kX; kP; k l fo/kkæ/; s ok >kyyh vl yh rjh 'kkl dh; dePk&; kph mnfl urk] vkfnokl ha kh R; kph okx. ; kph i/nrh] MKDVI ul ZR; kP; ki ; r u i k g k p . k j fL=; kP; k o e y k P ; k MKDVj k p k v H k k o ] v k j k X ; f o " k ; d t x r h p k v H k k o ] v k S k / k s u l . k s f d o k e n r l a y s h v k S k / k s i j f o . k j i k F k f e d v k j k X ; d n z n o k [ k k u k n i j v l . k s v ' k k , d u k v u d d j . k k e G s v k f n o k l h a u k e k r k a u k c y d k a u k v k j k X ; k P ; k l f o / k k o G o j o i j s k k i e k . k r f e G r u k g h r - R ; k e G s d i j k s k . k o R ; k e G s c k y e R ; p s i e k . k t k L r v l r s

l a dkP; k vi æ; k l fo/kk & unj cjk ftYg; krhy vud xkoi kM; koj v | ki gh l a dkP; k nG. koG. kP; k l ks h&l fo/kk mi yC/k ukgh- 2011 P; k tux. kusdij vDdydpk rkyD; kr 2 yk[k 46 gtkj ykd l a ; k] 163 xkos vkf. k 717 i kM; kæ/ku jkgrs; krhy 49 xkoi k o 291 i kM; kpk i kol kG; kr l a dz nVrks rhp fLFrh /kMxkæ rkyD; kph vkgs/kMxkæ rkyD; kr 1 yk[k 95 gtkj ykd l a ; k 187 xkoso 163 i kM; ke/; s jkgrs ; ki dh 92 xkoi k o 260 i kM; kauk i kol kG; kr l a dz djrk ; s ukgh ; k rkyD; krhy vud xkoi kM; kauk j Lrs dk; l k/kh i k; okV nS[ky ukgh vud xkoi kM; kauk 5 rs 20 fdeh i k; i hV dj r i k g k p k o s y k x r s x b k h j # X . k k a u k r l p x H k Z r h e k r k a u k > k G h r ? k k y n u n k u r s p k j t . k m p y w k v k . k r k r ; k > k G h y k \* \* c k a y u l \* \* v l s u k e d j . k d s y s v k g s v ' k k ; k n k Z H k k x r d i j k s k . k k u s f d r h c y d e R ; w i k o y s f d r h e k r k e Y ; k f d r h v H k Z e R ; w i k o y s ; k p k [ k k = h i y k ; d v k d M k f e G r u k g h ' k k l d h ; v k d M o k j h Q I o h v l r s

4- 'kkl dh; ; æ. kph mnfl urk& unj cjk ftYg; kr 'kkl dh; vf/kdkjh o dePk&; kph cnyh vFkok ue. kpd gks ksdehi . kkpsekuys trsgk Hkx \*\*i fu'keW l v j \*\* Eg. ku dii fl /n >kyYkk vkgs R; keG; k Hkxkr vkysyk vf/kdkjh dePkjh eu ykou dke d# 'kdr ukgh 'kkl dh; ; kst ukP; k væyctko. kh e/; s nlrjfnj akb] ykpyp i r] HkLVkpkj ekB; k i ek. kkr gkrkr- R; keG; kst upk m | s k fdrhgh plxyk vl yk rjh R; kpk Ok; nk gkr ukgh-

dij ksk. k fuezyukl kBh 'kkl ukph mi k; ; kst uk &

1-vkj kX; ; æ. kk & Hkj rkyk Lokraæ; feGu 67 o"kkZ gks vkgr rjh ftYg; krhy vkfnokl hP; k l eL; k nj >kyY; k ukghr dij ksk. k kph l eL; k l oZ ftYg; kr Fkksku ?kkyr vkgs R; krp Hkj nk#ps 0; l u] xk/ [kk] vYi o; kr yXu] mPpre tlenj] ekrk o ckyeR; ps vf/kdre i ek. k] vkfnokl hph i pM v a k J / n k ] ' k k s k . k d t Z k t k j h i . k k v k k u o f u j { k j r k v k n h l o z d j . k k e G s f t Y g ; k r h y v k f n o k l h P ; k v k j k X ; l e L ; k H k h " k . k v k g s ; k l e L ; k n j d j . ; k l k B h f t Y g ; k r i H k k o h v k j k X ; ; æ . k k m H k k j y s y h v k g s R k D r k d z 4 e / ; s f t Y g ; k r h y v k j k X ; 0 ; o L F k p h e k f g r h f n y s y h v k g s

rDrk dz 4 ftYg; krhy rkyplkfug; oSj fd; l fo/kk

v-dz	rgfl y	#X. lky;	nok [kkus	lkz q'h x'g	kkfFkd vkj kx; dnz	mi dnz	MkVj o oSj	lkfj pk fj dk	vk'kk
1	vDdydġk	2	8	m-uk-	13	61	33	87	393
2	/Mxko	2	2	m-uk-	13	50	24	76	453
3	rGknk	2	5	m-uk-	4	27	25	50	173
4	'kgknk	4	4	m-uk-	12	63	35	87	326
5	Ukoki j	3	4	9	9	46	45	91	243
6	Uknjg ckj	6	1	7	7	43	92	142	213
	, dġk	19	24	16	58	290	254	533	1801

L=kr & ftYgk vkfFkd o l kelftd l ekykpu ftYgk l kġ [; dh dk; kzy; ] unjg ckj

rDrk dz 4 o#u Li "V gkrs dh ftYg; kr vkj kx; fo" k; d l fo/kk 'kkl ukus ok< dsy'sh v'kgs i j'rw ftYg; krhy 16 yk [kkl s'kk tkLr vl y'v; k ykd l ġ; P; k ekukus gh l fo/kk r'v' i' n'ch Bj rs ftYg; kr cks l MkVj kpk l G l GkV >kysk v'kgs ts vkfnok l h #X. kkp; k thok' kh [kGrkr- dġ k'sk. k nġ dj. ; kl kBh ftYg; kr 1801 vk'kk uey'v; k vkgr R; kpcj k'cj i k'kfed vkj kx; i Fkds 2 ] fQj rh vkj kx; i Fkd 2] rj'arsnok [kkus 2] ek'kb'v' Og'U 2] ftYg; kr dk; j' r vkgr

2-i k'sk. k v'kgj o v'kx. kokMh & ftYg; kr l onu'khy Eg. ku v'kG [kY; k tk. k'k& k n'q'z v'kk vkfnok l h Hkxkrhy 108 xkole/; sfofo/k ; kst uk'pk l ekosk vl . k'kj k \*\*uol at hou ; kst uk\*\* dk; z'z' j'kcfoyk tkr v'kgs ; k 108 xkokr vDdydġk rkyġ; krhy 55 rj /kMxko rkyġ; krhy 53 xkok'pk l ekosk v'kgs ueh'k l j'koj kP; k c'p'hr {ks=krhy 33 xkok'k kBh vkj kx; foHkx vkf. k ; qul QP; k l gdk; k'z'us tyvkj kx; l ok cks/h'okj s'arj'ark nok [kkuk'z' mi yC/k d#u fnyh tkr v'kgs

ekr'Ro v'upku ; kst uk & c'Gkph x'kk'k' l w'p vkj kx; kph d'G'th ?ks; kl kBh \*\*ekr'Ro v'upku ; kst uk\*\* j'kcfoyh tkr's; kr x'j'knj ekrph fu; fer r'ikl .kh dsy'sh tkr's v'kSk/ki'pkj ekx'h'k'z' dsy's tkr's i R; d' ekryk c'Gkpk t'le g'k'v' ; r' vkB' 'ks# v'upku fny's tkr's ckydkP; k i kydk'ph et'j'h c'p'qu; sEg. ku 40 #i ; s j'kst i kydk'au fny's tkrkr- v'kx. kokMh ekQ'r ckydk'au i k'sk. k v'kgj i j'foyk tkr's ftYg; kr 2364 fu; fer o 80 feuh v'x. kokM; k dk; j' r vkgr rDrk dz 5 e/; s rkyplk o i d'Yi fugk; v'kx. kokM; kph l ġ; k n' l'z'by'sh v'kgs

rDrk dz 5 rkypk @ i dYi fugk; vkx.kokM; kph l a[; k

v-dz	Rkkypk	, dqk
1	Uangj ckj	246
2	j ukGs	156
3	Ukoki ij	337
4	'kgknk	188
5	Egl kon	266
6	RkGknk	238
7	vDdydpk	205
8	fi a G [k/k	89
9	Eksyxh	151
10	/kMxko	194
11	[k/k/kekGh	152
12	Rkkj .kekG	142
	, dWk	

L=kr efgyk o cky fodkl foHkx ftYgk] unj ckj

rDrk dz5 uq kj Li "KV gks dh ftYg; kr l oZ Hkxkr , dqk 2364 vkx.kokM; k vkgr R; kekQr ckydkuk i ksk. k vkgj smi yC/k d#u fnyk tkrks

fu"d"lz&

1-dñ ksk. k o ckyer; w; kP; kr fudVpk l aZk vk<Grks tlekyk vkyY; k 1000 ckydkä ßh @ vHkdka ßh 1 o"kkZ lk; ßr fdrh nxkorkr ; kyk vHkd eR; w ¼IMR-Infant Mortality Rate½ Eg. krkr o 5 o"kkZ ; ßr nxkoyY; kauk ckyer; w¼USMR-Under Five Mortality Rate½ vl sEg. krkr rKkukh Li "V dsysys vkgs dh tkLrhr tkLr ckydkps eR; w dñ ksk. kkeGs gks-kr 55 VDds eR; uk dñ ksk. k vi R; {ki .ks dkj . khHkur vkgs unj ckj ftYg; kr vHkdeR; mj 30 i sKk tkLr rj ckyer; w50 i sKk tkLr vl Y; kpsfni u ; srs

2-/kMxko o vDdydpk gsnktgh rkypls vkfr nqZ vl Y; kusR; k rkyD; kr Js kh rhu ps dñ ksk"kr ckydkps i ek. k 42 VDdso Js kh pkj ps¼rhoz dñ ksk"kr ckyd½ i ek. k 7-12 VDds vk<Gr

3-Ckydkæ/; s dñ ksk. k ok<. ; kl kBh ftYg; krhy vkfnokl hph vkfFkd l kekftd fLFkrh o Hkkskfyd ?kVd cgurkã kh dkj . khHkur vkgr

4-Ckydkps dñ ksk. k deh dj . ; kl kBh 'kkl u lk; Ru'khy vkgs i j arq; kckcrhr 'kkl ukyk i kfgts rø<s; 'k feGr ukgh depk& ; kph mnkf l urk] LFkfu d uR; kps j kt dkj . k] Hkz V kpkj] ftYg; krhy uk d j hdMs i fu'keV Eg. ku i kg. k] vkReh; rpk vHkko v'kh vud dkj . ks 'kkl ukP; k ; kstukæ/; s vMFkGs fuekZ k dj rkr] fo'ksk dirh dk; ßæ] uol athou ; kstuk] jkstxkj geh ; kstuk] [kkl nkj vkenkj fu/kh vl k dkV; ko/khpk fu/kh

ftYg; krhy dq ksk. kps i pfoyk vkgj dq ksk. k o brj dkekj dsy; k [kpkph , d=hr cjh ht dsyh vl rk fTKYgkfufezhi kl u 1998 i kl u vkti; ;P; k 15 rs 16 o"kkP; k dkyko/khr l j dkjh rhtkj hru vCtko/kh #i; s [kphz i Mys vkgR , o<; k i pM j der l oZ vkfnokl hps i uBl u djr k vkys vl rs R; kps j kg. khek u l qkkj rk ; oq R; huk dk; Lo#i h mRi Ukkpk L=kr mi yC/k d#u nrk vkyk vl rk ; k [kpkzGs dq kps Hkys >kys \ dq kps j kg. khek u l qkkj ys dq kkdMsekV/kj xkM; k l a Rrh vkyh\ gk l a kskukpk , d Lora fo"k; gkbzy

mi k; ; kst uk & ftYg; krhy ckydkpsdq ksk. k njj dj. ; kl kBh ftYg; kr eyxkeh mi k; ; kst uk dY; k i kfgtr-

1-ftYg; kr m |ks/kan; kpk vHkko vkgS vksI kSxd ol kgrh vkgR i .k m |kstd m |ks l # dj k; yk r; kj ukghr R; kl kBh m |kstd kauk pkayh i dzk P; k l qo/kk i j foY; k tk0; kr-

2-ftYg; kr egQy kps mRi knu ekB; k i ek. kkoj ?krk ; oq'kdrs egpk o{k vkfnokl hpk dYi o{k vkgsegP; k o{kki kl u egQys vky ch; kps mRi knu gkrS Qyka kl u e |kps rj VkgGch i kl u rsykpj < j psmRi knu ?krk ; rs i jar qe |koj dk; |kus cinh ?kkrysh vkgS R; keGs ftYg; kr ns kh nk# gkrHkVvph ?kkrd nk# fodyh tkrS egP; k nk#yk dk; |kus ijokuxh fnY; kl vkfnokl hph vFk0; oLFk l qkk# 'kdrs vkfKzd fLFkrh l qkkj Y; keGs dq ksk. kpk iz u feVw 'kdsy- egQy kP; k mRi knukoj vk/kfj r i fdz k m |ks l # djrk ; oq vuokauk j kst xj feGsy-

3-vknfookl hP; k i kM; k xkoi ; r j Lrs ukghr dnd j dkj i ri zku xke l Md ; kst uk xz vl sj Lrs cka krk ; rhy R; keGs vkj kx; kP; k l qo/kk R; kP; k lk; r i k gkpfork ; rhy-

4-vfrnwz Hkxkr j LR; kP; k vHkko vR; oLFk #X. kauk >kGhr @ pknj hr ?kkyu vkj kx; daz vFkok nok [kkuk lk; r vk. kkos ykrs ; k i /nrhy \*\*ckaySI \*\* EgVys tkrS ; koj mi k; Eg. ku nde Hkxkr ygku gfydkWj ph l qo/kk i j fork ; bz

5-xteh. k nkkz Hkxkr vkj kx; 0; oLFkr vk' kph Hkiedk @ ; ksnku egRokps vkgS dq ksk. k feVfo. ; kl kBh vk' kauk i f'kf{kr d#u R; kauk dk; Lo#i h l od ueu vkfKzd ykHk |kosR; kauk dk; Lo#i h oru feGKI kl R; k dq ksk. k fueyukdMs tkLr y{k nrhy-

6-vkfnokl hP; k xoi kM; kr vkfnokl h Hk'kksuup izksku djkos tutxrh djkoh l okz egRokps Eg. kts vkfnokl hauk ntzkj f'k{k. k feGsy ; kph 0; oLFk dj koh

7-tleki dz ckydkps i ksk. k ekrP; k xHkz k; kr pkay; k i dzk j sgkbzy ; kph dkGth ?; koh 'kkl ukekQz R; kP; k depk&; kekQz ekrk i ksk. kvkgkj cyd i ksk. k vkgkj ; k ; kst ukps ukVd dsys tkrS depk&; ka e/; s vkfRe; rk fuekz k gkbzy rs; k ?kVdka dMs l gkuHkurhus i kgrhy v'kh 0; oLFk gks ksxj tps vkgS

### I nHkz l ph %

1-nsek [k i h , u o l kG [ks vkj , l ¼ 2012 ½ egkj k"V kph vkfKzd i kg. kh] Jfed i fr" Bku] dkYgki j lk; k; h n"Vhdksu ef/ky ys [k] \*\*egkj k"Vkrhy dq ksk. k fueyukP; k dk; bZekpk ekxok\*\* i "B dz 71 rs 81

2-f'kans vkj ds o Hkyj ko vkj , u ¼2007½ \*\*unj ckj ftYg; krhy dq ksk. k l eL; k o mi k; ]\*\* vFk0 dkn] tySI IVs 2007] [kM 31 vad 2] i "B dz 157 rs 169-

3-fl uxj s l qurk ¼tkus ekpZ 2007½ \*\*dq ksk. k , d n"Vh{ki \*\*] vFk0 dkn [kM] 30 vad 4 i qdz 347 rs 354

4-Suryawanshi D.S. & Gavit Chhaya S. (2012) Geographical Analysis of Malnutrition in. He satpuda rigion of Nandurbar Dis., National Conference on SDTI 27th to 29th January 2012, ASS & SPS"ks College, Navapur Dist Nandurbar, PP 106 to 107.

5-ikVhy v'kkd rkay o ckay #i kyh j Rukdj ¼2012½ \*\*unj ckj ftYg; krhy dq ksk"kr ckydkps fo'y sk. k\*\* i "B dz 137 rs 139 &

6-'kykj eukst ¼yksder 13-07-2013½ \*\*l kri M; krhy i kuxG l #p\*\*] n\$yksder unj ckj

7-'kk' or dq ksk. keQrh ¼, fi zy 2012½ egkj k"V vkj kx; ; i f=dk] egkj k"Vz 'kkl u epbz i -dz 15 rs 19

- 8-ykdj kT; ¼vkkLV 2013½e-'kk-
- 9-vFk] dkn] fofo/k vad- ej kBh vFkz kL= i fj 'kkn] i q ks
- 10-nfud l dkG] ykder] ns'knq] i q; &uxjh o umn'kZ
- 11-fofo/k l d's LFkG

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