



Mjsh m | ks , d vkrRefuHkj Hkkjr dh igpku Hkkjr eaMjsh m | ks dk fodkl 1% , d I eh{k

v{k; jekuH' jktšk nsle{k' jeu I B' dey xkM' jktu 'lek

I kjlk

Mjsh m | ks vkrRefuHkj Hkkjr dh igpku gA 1965 eafnoar ç/kku ea-h Jh yky cgnj 'kkL=h }kjk 'kq dh xbz'or Økar dsfnuka l shkkjr eaMjsh {ks= us, d yek I Qj r; fd; k gA v,ijšku qlyM dk; De dksyxwjdusdsfy, 1965 eajk"Vh; Mjsh fodkl ckMz ¼ uMhMhch½ dh LFkki uk dh xbz Fkh ftl dk mīš; Fkk Hkkjr dks n/k mRi knu ea vkrRefuHkj cuk; A 2021&22 ea 221-06 fefy; u Vu nwk mRi knu dsl kFk vkt Hkkjr nfu; k dk I cl scMk nwk mRi knu gA Hkkjr eaMjsh m | ks u dōy yk[kafdl kuka vks xkeh.k ifjokjka dsfy, vk; dk , d egRo i wZ l kR gš cfYd ; g nš dh vFk; oLFkk ea Hkh egRo i wZ Hkfedk fuHkkrk gA ; g nš dh thMhi ea 4% I svf/kd dk ; ksnku nrk gSvkš çR; {k vks vçR; {k : i I syk[kkaykska dks jkstxj dsvol j çnku djrk gA Hkkjr eaMjsh {ks= , d cMh vkcknh dsfy, [kk | I g {kk I fuf' pr djusea Hkh egRo i wZ Hkfedk fuHkkrk gSvkš , d cMh 'kkdkgkj vkcknh dsfy, i 'kqçkshu dk I kR çnku djrk gA

ef; 'kM% Mjsh m | ks fodkl] nwkA

Development of Dairy Industry- An Identify of India's Self-reliant: A Review

Akshay Ramani¹, Rajesh Deshmukh¹, Raman Seth¹, Kamal Gandhi¹, Rajan Sharma¹

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ABSTRACT

Dairy industry is a self-reliant India's identity. The dairy sector in India has come a long way since the days of the White Revolution launched by late Prime Minister Shri Lal Bahadur Shastri in 1965. The National Dairy Development Board (NDDB) was established in 1965 to implement the Operation Flood program which aimed to make India self-sufficient in milk production. Today, India is the world's largest milk producer, with milk production of about 221.06 million tonnes in 2021-2022. The dairy industry in India is not only an important source of income for millions of farmers and rural households, but it also plays a vital role in the country's economy. It contributes to more than 4% of the country's GDP and provides employment opportunities to millions of people, both directly and indirectly. The dairy sector in India also plays a critical role in ensuring food security for a large population and provides a source of animal protein for a large vegetarian population.

Key words: Dairy industry, Development, Milk.

Hkkjr eaMjsh {ks= dk fodkl vks v,ijšku qlyM dh 'kq vkr dsckn I sMjsh I gdkjh I feR; ka }kjk fuHkbbz xbz 'kkunkj Hkfedk vktknh dsckn nš dh mYyçkuh; fodkl xkFk dk , d vFkUu fgLI k gA vkt Hkkjr nfu; k eanwk dk I cl scMk mRi knu gA tsof'od nwk mRi knu ea 23% dk ; ksnku nrk gA Mjsh m | ks nš ds dōy vkrFkd mRi knu ds 5% vks 8 djkm+I svf/kd fdl kuka dks çR; {k foUkh; I gk; rk çnku djrk gA Hkkjr eaMjsh 0; ol k; us fi Nys, d n'kd ea i ; kR of) dk fd; k gA 2014&2015

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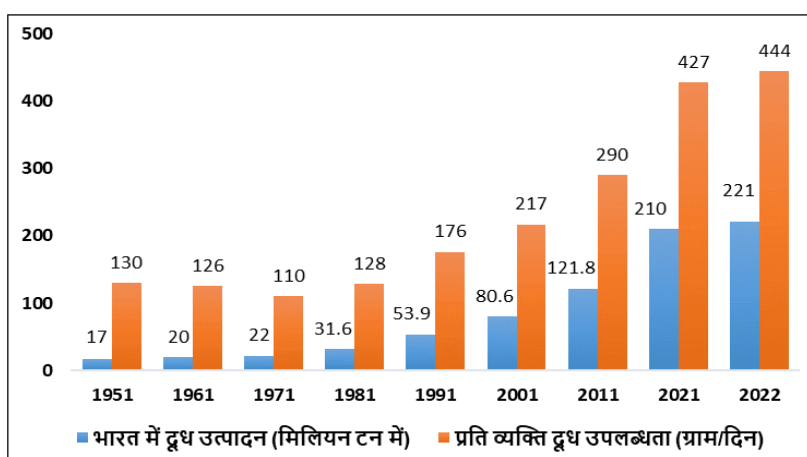
ea 146-31 fefy; u Vu 1/2 MT 1/2 I s 2021&22 ea 221-06 MT rd] nsk eaokf"kd nmk mRiknu 5-29% dh p0of) okf"kd of) nj I s c<lj jktLFkku Hkkjr ea I c l s vf/kd nmk mRiknu djusokyk jkT; gS 1/2 BAHS] 2022 1/2 tks dy nmk mRiknu eayxHkx 15-05% dk ; ksnku nrk gA bl dscn mUkj cnskj e/; cnskj xqfjkr] vls vdkc cnsk 0e'k%14-93%] 8-7%] 7-56% vls 6-97% gS 1/2 BAHS] 2022 1/2 xkQ 1 1/2

xk;] HkA vls cdfj; ka }kjk fd, x, nmk mRiknu ea ; ksnku dk cfr'kr xkQ 2 ea cfnf'kr fd; k x; k gA v/; ; u dsfu"d"kk ds vuq kj] dy nmk mRiknu ea nsk HkA ka dk fgLI k yxHkx 31-58% gA 0, l cM xk; dy nmk mRiknu dk 29-91% dsfy, tokcnkj gA nsk ds dy nmk mRiknu ea Lonsh xk; dk fgLI k 10-35% gS tcd xS&of.kr xk; 9-82% vls xS&of.kr HkA nsk ds dy nmk mRiknu dk 13-49% dsfy, tokcng gA 0, l cM xk;

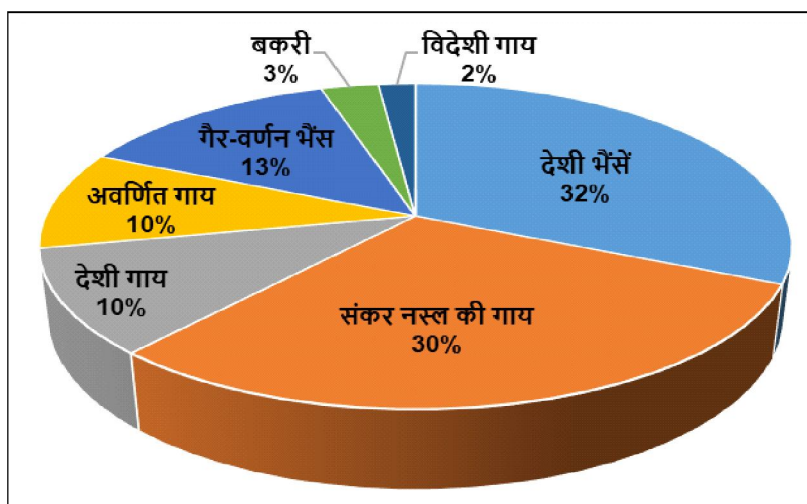
dy nmk mRiknu dk 29-91% gA cdfj; ka l smRikfnr nmk nsk HkA ea dy nmk mRiknu dk 2-93% gA dy nmk mRiknu dk , d fgLI k 1/4-92% 1/2 fonskh xk; ka l svkrk gA nskHj fonskh , oal dj uLykadH xk;] HkA] cdjh dsek/; e I sjkT; okj nmk mRiknu 2021&22 dk o.ku rkfydk 1 ea fd; k x; k gA

Hkkjr eaMjh m | k dk bfrgkl

1950 vls 1960 dsn'kd eai fjlFkfr; kafcydy vyx FkA Hkkjr , d , d k nsk Fk tksnuk dh deh I sihfMr Fk tksijh rjg I svk; kr ij fuHkFk vls nsk dh okf"kd mRiknu of) dbZo"kkal sudkjRed jgh Fk 1/2 Khan and Prashari, 2014 1/2 Lora-rk dscn igysn'kd dsnjsku nmk mRiknu ea okf"kd p0of) nj 1-64% Fkh yfdu 1960 dsn'kd dsnjsku ; g ?kVdj 1-15% jg xbl 1/2 Kunte and Patankar, 2015 1/2



xkQ 1% Hkkjr ea nmk mRiknu vls cfr 0; fa nmk miyC/krk 1/2 BAHS] 2022 1/2



xkQ 2% xk;] HkA vls cdfj; ka dk dy nmk mRiknu ea ; ksnkuA

; g fxjkoV ml n'kd dsnjsku gpbz tksLora-rk dso"lZ ds ckn vkbZ FkhA o"lZ 1950&1951 ean'sk Hkj ean'nik dh vks r n'sud [kir çfr 0; fä ek= 124 xte Fkh ½Drace, 1970¼A ; g vkbZMk 1970 rd fxjdj 107 xte çfr fnu gks x; k Fkkj ftl l s; g nfu; k eal cl sde vks U; ure vuqkäl r i ksk.k ekudkal sckQh uhps Fkka Hkkjr eamj h m | ksc vius vflrRo dsfy, l 2k"lZ dj jgk Fkka nfu; k eai i'kqdh l cl s cMh vkcknh gks ds ckotm] n'sk eagj l ky 21 fefy; u Vu l shkh de n'nik dk mRiknu gsrk gS ½Delgado *et al.*, 2001; Rajendran and Mohanty, 2004¼A

1964 ea LoxhZ ç/kku ea-h yky cgnkj 'kkL=h dh xqjkr ds vk.km ftysdh ; k=k dsckn] 1965 ean'sk Hkj eamj h l gdkjh l fefr; ka ds ^vkun i Svuz^ ds fuekZk dk l efkZ djus dsfy, jk"Vh; Mj h fodkl ckMZ ¼ uMhMhch½ cuk; k x; k Fkk ½Kunte and Patankar, 2015¼A M, oxhZt dfj; u] ftl gaj s Hkkjr ea"or Økar dstud^ ds: i ea tkuk tkrk gä os jk"Vh; Mj h fodkl ckMZ ¼ NDDDB½ ds igys v/; {k ds: i ea dk; Z fd; k ¼ NDDDB½ 2022¼A M, dfj; u us viuh Vhe ds l kFk ifj; kstuk ds 'kqkjk Hk ij dke 'kq fd; kA bl ifj; kstuk ea ijs n'sk ea l Fkr n'nik'kkyk eavkun&i Svuz l gdkjh l fefr; ka dh LFkkiuk dh dYiuk dh xbz FkhA bu n'nik'kkykvka sn'nik l gdkjh l fefr; ka }kj k mRi knr vks [kj hns tkus okys n'nik dks 'kgjka rd igpk; k tk, xkA

v, ijsku flym

v, ijsku flym ¼ vks Q½ dk; De dsek/; e l sftl spj. kka eaykxwfd; k tkuk Fkka ^vkun i Svuz^ vfuok; Z: i l s, d l gdkjh l jpuk Fkh ftl eaxte&Lrjh; Mj h l gdkjh l fefr; k ½ dcs½ 'kkfey Fkh tks ftyk&Lrjh; ; fu; uka dks c<kok nrh gß tks cnys eaj kT; &Lrjh; foi .ku l 2k dks c<kok nrh gß ½ Khan and Prashari, 2014¼A 1970 ea, uMhMhch us ijs Hkkjr ea v, ijsku flym dk; De dsek/; e l s vkun i Svuz l gdkjh l fefr; ka dks ijs Hkkjr ea Qsyk fn; k x; k ½ Candler and Kumar, 1998¼A

1- pj.k A: ¼ 1970&1980½ dksfo'o [kk | dk; De dsek/; e l s; jksh; l 2k }kj k nku fd, x, fl dEM feYd l kmMj vks cVj v; y dh fcØh l s foÜki k"kr fd; k x; k Fkk ½ Doornbos *et al.*, 1990¼A

2- pj.k AA: ¼ 1981&1985½ ean'nik'kkykvka dh l 2; k 18 l s c<kdj 136 dh xbz 'kgjh cktkjka us n'nik ds nplku dks

c<kdj 290 dj fn; kA 1985 ds vr rd] 42]50]000 n'nik mRi kn dks dks l kFk 43]000 xkeh.k l gdkjh l fefr; ka dh , d vkRefuHkj ç.kkyh dks LFkfi r fd; k x; k ½ Candler and Kumar, 1998¼A

3- pj.k AAA: ¼ 1985&1996½ us Mj h l gdkjh l fefr; ka dks n'nik dh c<fh ek=k dh [kj h vks foi .ku dsfy, vko'; d cfu; knh <kps dk folrkj djus vks ml s etcr djus ea l {ke cuk; kA bl pj.k ea 30000 ubZ Mj h l gdkjh l fefr; k; tkMh xbz ftl l s dy l 2; k 73]000 gks xbz ¼ Khan and Prashari, 2014¼A

v, ijsku flym us jk"Vh; n'nik fxM dsek/; e l s 700 dLcavks 'kgjka eami Hkka kvka rd xqkoÜkki wZ n'nik igpkus ean'nik dhA dk; De usfcplsy; ka dh vko'; drk dks nj djus ea Hk enn dh] ftl l sek eh eY; fhkJurk de gks xba l gdkjh l jpuk us n'nik vks n'nik mRi kn ka ds mRi knu vks forj.k ds ijs vH; kl dksfd l kuka dsfy, vkfkd : i l s 0; ogk; Z cuk fn; kA bl us vk; kfr Bk n'nik ij Hkkjr dh fuHkark dks Hk l ekr dj fn; kA n'sk u døy viuh LFkkuh; Mj h t: jrka dks ijk djus dsfy, l q fttr Fkkj cfYd bl us dbZ fon's kh n'skka dks n'nik l kmMj dk fu; kZ Hk 'kq dj fn; k Fkka l 2j.k ds dkj.k n'nik: i 'kq/ka ds vkuqä kd l qkj ea Hk of) gpbZ gä tS & tS s Mj h m | ksc dk vk/kfudhdj.k vks folrkj gqk] yxHkx 10 fefy; u fd l kuka us us viuh vk; ds çkFked l kr ds: i ea Mj h Qkfeak 'kq dh ½ Kunte and Patankar, 2015¼A

1950&1951 dso"lZ eamRi knr n'nik dh ek=k døy 17 fefy; u Vu ¼ MT½ Fkh ½ Singh and Datta, 2010¼A 1968&1969 ea v, ijsku flym dh 'kq vkr l sigy n'nik dk mRi knu døy 21-2 ehVd Vu Fkka gkykfd] 1979&1980 rd] ; g l 2; k c<dj 30-4 MT gks xbz Fkh vks 1989&1990 rd] ; g c<dj 51-4 MT gks xbz Fkh ½ Dixit, 2014¼A orëku eh ; g o"lZ 2021&22 ea 221-06 fefy; u Vu gß tks xkQ 2 ea fn [kk; k x; k gS ½ BAHS, 2022¼A ijsfo'o eh n'nik mRi knu çfr o"lZ nks çfr'kr dh xfr l sc<+jgk gß yfdu Hkkjr ea ; g nj çfr o"lZ Ng çfr'kr l svf/kd gä nfu; k dsckdh fg l l ka ds vks r dh rgyuk ea Hkkjr ean'nik dh çfr 0; fä miyCkrk dkQh vf/kd gä n'sk ean'nik dh [kir 1970 ea çfr 0; fä 107 xte dsfupys Lrj l sc<dj 2021&22 ea 444 xte çfr 0; fä gks xbz ¼ xkQ 2½ tks nfu; k Hkj ean'nik dh vks r [kir l svf/kd gß tks 2021 dsnjsku çfr fnu 322 xte gS ½ BAHS, 2022¼A ; g of) rhu n'kdka ¼ 1980] 1990

rkfydk 1%2021&22 ds nksjku jkT; okj nq/k mRiknu W/u eA

jkT;	xk;			HkA		cdjh
	Lons'kh	fons'kh	Ø,l cM	Lons'kh	xj & o.kkRed	
vkakz çns'k	741-08	315-93	305-21	7980-92	7980-92	4-15
v#.kkpy çns'k	0-00	0-00	34-53	0-55	0-55	0-00
vl e	524-78	0-00	0-00	129-13	129-13	18-37
fcgkj	0-00	435-87	3526-32	4217-67	4217-67	142-32
NÜkhl x<	453-04	41-11	633-75	176-39	176-39	72-93
xkok	0-00	0-00	49-70	0-00	0-00	0-56
xq;jkr	847-52	0-00	2020-59	5764-14	5764-14	339-18
gj; k.kk	146-61	237-45	396-16	7914-16	7914-16	55-82
fgekpy çns'k	113-25	39-86	4-08	274-23	274-23	51-22
tEewvkj d'ehj	384-99	87-54	10-24	174-13	174-13	73-47
>kj [kM	607-10	108-31	661-46	279-12	279-12	190-26
dukW/d	684-36	0-00	1043-28	1515-20	1515-20	55-67
djy	24-96	0-00	4-37	9-39	9-39	123-27
e/; çns'k	5479-15	229-96	1087-30	3174-56	3174-56	961-71
egkj"V"	442-7	458-81	7196-64	2688-71	2688-71	327-19
ef.kij	31-26	4-57	0-00	0-00	0-00	0-00
fetkje	2-04	0-00	0-00	0-00	0-00	0-00
uxkyM	8-67	0-00	0-00	0-00	0-00	0-90
vkSM'kk	715-26	0-00	86-80	20-83	20-83	4-27
i atkc	68-19	1173-09	379-37	7506-65	7506-65	91-69
jkT LFkk	4144-62	0-00	5077-46	8635-89	8635-89	2319-94
fl fDde	0-00	0-12	0-00	0-00	0-00	0-00
rfeyuMq	499-10	0-00	117-02	80-46	80-46	117-16
ryakuk	650-00	183-66	189-75	2910-05	2910-05	6-25
f=i jk	115-95	0-00	0-00	0-00	0-00	12-90
mrkj çns'k	1977-36	875-82	3660-95	15731-19	15731-19	1293-92
mÜkj [kM	26-62	52-11	285-60	451-29	451-29	51-26
if'pe cakky	2390-50	0-00	1341-56	153-47	153-47	151-99
vMeku vkj fudkskj }hi l eq	4-39	0-00	0-00	0-00	0-00	1-48
pMhx<+	1-33	5-87	0-03	23-09	23-09	0-27
neu vkj nho vkj	0-09	0-53	0-50	0-00	0-00	0-00
yík[k	1-02	0-00	2-75	0-12	0-12	0-11
fnYyh	&	&	&	&	&	&
y{k}hi	0-03	0-00	0-00	0-00	0-00	0-35
i npjh	0-68	0-00	0-00	0-00	0-00	0-00
dy nq/k mRiknu	21712-33	4250-62	21321-97	69812-24	29813-95	6468-60

vkš 2000 dsn'kd½dsnkš ku gvk ½Anonymous, 2022g½A v,ijsku ½yM dsckn½ Hkkjr eaMjsh vkš i'kqkyu {ks= cMh I ½; k eaxkeh.k ifjokjadsfy, vk; dsçkFkfed I ks ds: i eamHkjk½ ftuea I svf/kdkak Hkfeghu fdl ku½ Nks/s fdl ku ; k I hekar fdl ku FkA vkt Hkkjr bl ckr I sxo½ dj I drk gšfd fi Nys<kbzn'kdkaea; g nfu; k eal cl s T; knk nñk mRiknu djusokyk nš k jgk gA

Mjsh mRiknakdk fu; kš

Hkkjr eaMjsh m|ks nš k dh vFk; oLFkk dk , d egRoiwk {ks= gš tks yk[kka fdl kuka dks vkt hfodk çnku djrk gš vkš fu; kš dsek/; e I segRoiwk½ jktLo mRiUu djrk gA gky dso"kkæ½ varjjk"Vh; çktkjkaeaHkkjrh; Mjsh mRiknak tš s?h½ i uhj vkš ngh dh ekac c<h gA bl I sbu mRiknak ds fu; kš ea of) gš gš I a ½ vjc vehjkr½ çkkykns½ I Anh vjc vkš I a ½ jkt; vejdk tš s nš k Hkkjrh; Mjsh mRiknak ds çed½ vk; krd gA fi Nys rhu o"kkæ ds nkš ku½ Hkkjr ds Mjsh mRiknak ds fu; kš eayxkrkj of) gš gA Hkkjr us 2021&22 eanfu; k dsckdh fgLI kaea108½711 ehV½ Vu Mjsh mRiknak dk fu; kš fd; k½ ft I I s dš # 2½928-79 djkm+ ½us\$ 391-59 fefy; u½ ½Anonymous½ 2022½ ½xkQ 3½A

gkyk½d½ fonš kka½ kjk fu/kkšjr I [r fu; ekavš xqko½kk ekudkadsdkj.k Hkkjrh; Mjsh mRiknakdk fu; kš djuk , d pñkš hi wkš dk; Zgks I drk gA Mjsh mRiknakdk fu; kš djus dsfy,½ Hkkjrh; fuekz½kvkadsbu fu; ekadk ikyu djuk pkfg, vkš vko'; d çek.ki= çktr djuk pkfg, A bl ds vfrfj½½ Hkkjrh; Mjsh m|ks dks ; g I fu½'pr djus ds fy, LoPNrk vkš LoPNrk dsmPp ekudkadsckuk, j[kuk

pkfg, fd muds½kjk fu; kš fd, tkusokysmRi kn mi Hkks dsfy, I g½f½kr gA

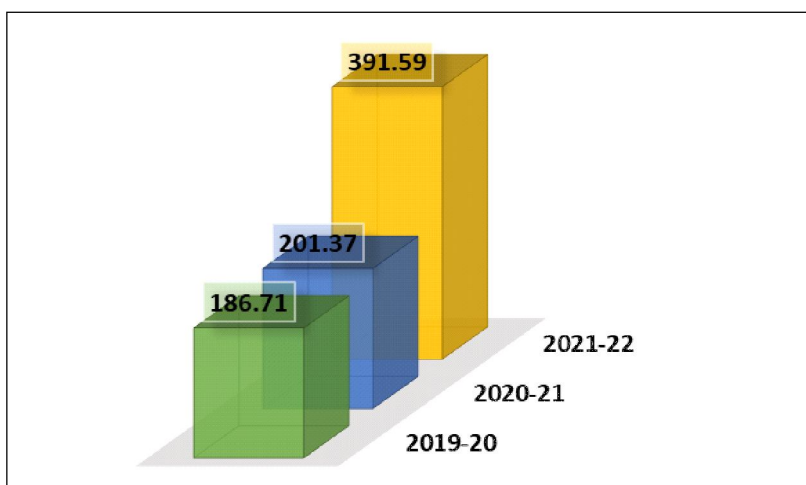
bu pñkš; kadsckotm½ Hkkjr I jdkj Mjsh mRiknak ds fu; kš dks I fØ; : i I sc<kok nsjgh gš m|ks dsfy, egRoiwk½ jktLo mRiUu djusvkš jkstxkj I ftr djusdh {kerk dks igpkurs gq A gky ds o"kkæ e½ Mjsh m|ks ds fodkl dk I efk½ djusvkš varjk½Vh; çktkj eaHkkjrh; Mjsh mRiknak dh çfrLi/kkRedrk eal çkjk djusdsfy, dbz ; kstuk, a vkš dk; Øe 'kq fd, x, gA

Hkkjrh; vFk; oLFkk eaMjsh m|ks dk egRo

dbzfofHkUu dkj dka dsdkj.k½ Hkkjr dk Mjsh m|ks nš k dh vFk; oLFkk dsfy, cgr egRoiwk½ gA , d {ks= ds: i e½ ; g 80 fefy; u I s vf/kd xteh.k ifjokjka ds jkstxkj ds fy, ftEenjk gš ftuea I svf/kdkak Hkfeghu ykška ds I kFk&I kFk Nks/svkš I hekar fdl ku gš½Khan and Prashari, 2014½A I gdkjh I feyr; kausu dšy fdl kukadksvkRefuHk½ cuusea I {ke cuk; k gš çfYd m½gkaus ykškadksfy½ tkfr½ /kkf½d½ i j½jk vkš I kep½f; d ekun½kka dh çk½kvka I s Hkh e½ fd; k gA bl nš k eaMjsh m|ks ea vf/kdkak Jfed efgyk fo'kš : i I s mRiknd gA m|ks fo'kš : i I s efgykvka ds fy, jkstxkj ds voljka dk , d egRoiwk çnkrk gš vkš ; g efgykvka ds I 'kf½dj.k ea egRoiwk½ Hkfedk fuHkkrk gA

Mjsh m|ks dks<kok nusdsfy, I jdkj dh igy

I a ½ jk"V½ ds [kk½ vkš —f"½ I æBu ½FAO½ us 2001 I s 1 tw dks fo'o nñk fnol ds: i eakfer fd; k gA bl mRi o dk mš; nfu; k Hkj ea Hkstu ds: i ea nñk ds



xkQ 3½Hkkjr I s Mjsh mRiknakdk fu; kš ½fefy; u vej½dh M,yj e½A

egRo dks igpkuuk vls Mjh m | kx dk I Eeku djuk gA fo'o nwk fnol cfo"KZ 1 tuu dks euk; k tkrk gA 26 uoaj dks tksM,- oxht dñj; u dk tlefnu Hkh gkrk gS Hkkjr nsk jk"Vh; nwk fnol eukrk gA bl ds vykok jk"Vh; nwk fnol ds vol j ij Hkkjr I jdkj I gdkjh I febr; kavls nwk mRiknd dā fu; kadks oSkfud rjhdsl s çsjr djusdsl kFk&I kFk fdl kuka dks nwk i 'kq/kadh Lonshkh uLykadh mRikndrk c<kusdsfy, çk&I kfgR djusdsfy, çfrf"Br jk"Vh; xkiky jRu ij Ldkj çnku dj jgh gA 2022 eajk"Vh; xkiky jRu ij Ldkj M,- ckcwjktæ çl kn dks dæh; i 'kqkyu eRL; ikyu vls Mjh jkT; eah M,- I at ho dæj çfy; ku usvarkZVh; I Eesy dæ] thdohds dsl I çky# dukW/d eajk"Vh; nwk fnol I ekjg ds nkjku çnku fd; k x; ka

✓ Mjh m | kx ds fodkl dsfy, jk"Vh; dk; Dæ 1/2 NPDD 1/2

Mjh fodkl dsfy, jk"Vh; uhfr 1/2 NPDD eL; : i I s mPp xqkoUkk okysnwk dsmRi knu dsfy, vko'; d çfu; knh <kps ds fodkl vls I çkjh ds I kFk&I kFk jkT; , t&I ; ka }kjk nwk vls nwk mRi knkadh [kjh] çl çdj.k vls foi .ku I sl æ/kr gA jkT; I gdkjh Mjh I æk vls ftyk I gdkjh nq/k mRiknd I æk 1/2 NPDD] 2022/21

✓ jk"Vh; Mjh ; kstuk 1/2 j.k&1/2 1/2 NP&1 1/2

dk; Dæ ds yf{kr ifj.kkeka ea I svf/kdkak dk , gl kl gks x; k gS fo'kSk : i I s uLy fodkl vls I çkjh dk; Dæka ds dk; kRo; u ds ifj.kkeLo: i nsk Hkj eanwk mRi knu ea of) ghpZgA fi Nysikp o"ka dsnkku nwk mRi knu ea 6% I svf/kd dh of) ghpZgA NDP-I dk; Dæ dk mīś; mPp&vkupā'kd I ka/ka dh I ç; k ea of) djds uLy dh xqkoUkk ea I çkjh djuk Fkk I kFk gh I gdkjh I æBu ds nk; js dk foLrkj djuk Fkka dk; Dæ ds ifj.kkeLo: i] vfrfjæ 55]000 çfLr; ka dks 'kkfey djus dsfy, nwk I æg dk foLrkj fd; k x; k 1/2 DEDS] 2022/21

✓ Mjh m | ferk fodkl ; kstuk 1/2 DEDS 1/2

2010 ea'kq dh xbZ Mjh m | ferk fodkl ; kstuk 1/2 DEDS 1/2 jk"Vh; —f"k vls xkeh.k fodkl çl kuckkMZ dsek/; e I s dk; kZlor dh tk jgh gS tks okf.kfT; d] I gdkjh 'kgjh vls xkeh.k çl ka I s __.k ds I kFk 0; kol kf; d : i I s çl ; kx; ifj; kstukvka dks foUkh; I gk; rk çnku djrh gS

1/2 NAIP] 2022/21 ^I keku; ^Jskh dsykhkkfFkZ kadks ifj; kstuk ykxr dk 25% vls ^vud fipr tkfr^ vls ^vud fipr tutkfr^ Jskh ds ykhkkfFkZ ka dks ifj; kstuk ykxr dk 33-33% çl &, M/M I fcl Mh 1/2 NAIP] 2022/21

✓ i 'kqkyu vol çpuk fodkl fuf/k 1/2 AHIDF 1/2

I jdkj us ç/kku eah ujæ eksh }kjk ?kks"kr vkRefuHkj Hkkjr vfhk; ku çk&I kgu i çl st ds fgLI s ds : i ea dy 15]000 djkm+ #i; s ds vko'u ds I kFk , d i 'kqkyu vol çpuk fodkl dks 1/2 AHIDF 1/2 dh LFkkiuk dsfy, viuh eatjyh nsnh gS 1/2 AHIDF] 2022/21 nsk eamjh mRi knu vls çl çdj.k I fpo/kk, a c<kus dh I jdkj dh ; kstuk ea futh {ks dh Hkxhkhkh dsfy, I efir dks dh ?kks.kk ç'kkl u dsfy, igyh gA

✓ jk"Vh; ki h —f=e xHkZku dk; Dæ 1/2 NAIP 1/2

nsk dh I jdkj usfl ræj 2019 eajk"Vh; ki h —f=e xHkZku dk; Dæ 1/2 NAIP 1/2 dh 'kq#vkr dh ftl dk y{; nsk ds 600 ftykaeal çR; d ea 20]000 xk; ka ea —f=e 'kqk.kqçR; kjksi r djuk gS 1/2 NAIP] 2022/21 ; g viuh rjg ds I cl s cMs dk; Dæka ea I s, d gS vls ; g uLykadsfodf r djus ds fy, dæ I jdkj I siwkZ foUkh; I gk; rk çnku djrk gA Hkfo"; e; ; g igy Hkkjr ds mu I Hkh 600 ftyka ea QSy tk, xh tgkaçtuu ; kx; xkstkrh; vkcknh gA

✓ Covid&19 dsnkku I gk; rk

foUkh; o"KZ 2020&21 dsfy, i 'kqkyu vls Mjh foHkx 1/2 Mh, , pmh 1/2 us ^ofçk dsi Vy yku ij Ç; kt I coaku^ uked , d igy dks viuh eatjyh nsnh gA ; g igy nq/k I ækq nq/k I ækka vls nq/k mRi knu dā fu; ka tS smRi knu Lokfero okys I æFkkuka dks foUkh; I gk; rk çnku djsxha bl igy dsfy, dy ifj0; , d I ksdjkm+ #i; s gA

xqçjkr dks, i jSvo feYd ekdVæ QMj sku 1/2 GCMMF/ Amul 1/2 dukW/d dks, i jSvo feYd çkMî I I ZQMj sku 1/2 KMf/ uñnuh 1/2 rfeyukMq dks, i jSvo feYd çkMî I I ZQMj sku 1/2 vkfou 1/2 vls vl; jkT; Mjh QMj sku enj Mjh tS s Mjh I gdkjh I febr; ka tS smRi knu Lokfero okys I æBu vls nq/k mRi knu dā fu; ka dks mi Hkksævka dks nwk dh fuckZk vki frZ I fuf'pr djus ds mīś; I s viuh vki frZ Jçkyk dks I ækks/kr djuk i Mka bl ds vykok mugaI keft d njh tS s foHkku dneka dks I fuf'pr djuk Fkka çg çl ; d I gdkjh I febr; ka us vius vf/kxg.k dh I keku; ek=k dh

ryuk eayxHkx 8&10% vf/kd nñk çklr fd; kA dksom&19 y,dMkm dsnk\$ku] l gdljh l fefr; ka; g l fuf' pr djs ds fy, ftEenjk Fkha fd fdl kuka dks nñk [kjh ds fy, rsth l shkqrku çklr gks%Madhavan *et al.*, 2020/A

fu"d"l

v,ijsku flyM ds ckn] Hkkjr ea dbz xteh.k ifjokja us viuh vk; ds e[; l kr ds : i ea Mjh vks i'kiky m|kska dh vks # [k fd; kA yxHkx 25 o"kk rd] Hkkjr nñu; k dk l cl scMk nñk mRi kn d nsk jgk gA bl usfi Nys 20 o"kk eankxqk nñk dk mRi knu fd; k gA Mjh m|ks us Hkkjr dh xteh.k vFk; oLFk ds foLrkj eacgr enn dh gA jk"Vh; Mjh ; kstuk ds l kFk&l kFk tu /ku ; kstuk vks LVkV&vi bñM; k igy t\$ sl keku; l 'kfädj.k dk; Dje] l jdkj ds mu mik; ka ea l s Fk\$ ftUgk us Mjh [krh ds fy, cñu; knh <kpse enn dhA ç/kku ea-h eknh ds vkrRekuchj Hkkjr , tMdsrgr] i'kiky vks Mjh {ks-kaafi NysvkB o"kk eagr oi wkZof) nñk xbzg\$ vks mudh çxfr Lor-ark dk , d çHkko'kkyh mnkgj.k gA

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